

**CodeWarrior  
Development Studio for  
Microcontrollers V10.X  
MISRA-C:2004  
Compliance Exceptions  
for the HC(S)08, RS08,  
ColdFire, Kinetis and  
Power Architecture  
Libraries**

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# Introduction

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The CodeWarrior Development Studio for Microcontrollers V10.x MISRA-C:2004 Compliance Exceptions for the HC(S)08, RS08, COldFire, Kinetis and Power Architecture Libraries manual covers the MISRA-C:2004 compliance exceptions for the HC(S)08, RS08, ColdFire, Kinetis and Power Architecture libraries.

This document contains following chapters:

[Chapter 2 - HC\(S\)08](#) contains the list of MISRA-C:2004 exceptions for HC(S)08

[Chapter 3 - RS08](#) contains the lists of MISRA-C:2004 exceptions for RS08

[Chapter 4 - ColdFire](#) contains the lists of MISRA-C:2004 exceptions for ColdFire

[Chapter 5 - Kinetis](#) contains the lists of MISRA-C:2004 exceptions for Kinetis

[Chapter 6 - Power Architecture](#) contains the lists of MISRA-C:2004 exceptions for Power Architecture

For a particular target, either HC(S)08, RS08, ColdFire, Kinetis or Power Architecture, the exceptions to MISRA rules are grouped into general exceptions, which apply across all the library projects, and per-project exceptions, which are the exceptions associated with a certain library project. The latter are listed in the order in which they would be identified if the library projects were checked against MISRA rule violation using the PC-Lint tool - one by one, in the same order as the corresponding chapter sections (for example: C Startup, C Startup Tiny, C Startup HCS08 and so on, for HC(S)08).

**Introduction**

---

# HC(S)08

---

This chapter contains these topics for HC(S)08:

- [Inline Assembly](#)
- [General Exceptions](#)
- [Per-project Exceptions](#)

## Inline Assembly

Inline assembly is altogether ignored when checking for MISRA-C:2004 compliancy.

## General Exceptions

The following table lists the exceptions to MISRA-C:2004 rules that apply across all the library projects.

Table 2.1 HC(S)08 general library exceptions to MISRA-C:2004 rules

Exception	MISRA-C:2004 Rule	Reason
Accept non-ANSI reserved words 'near' and 'far'	1.1 REQ + 2.2 REQ	These are HC-08 specific language extensions
Allow the use of modifiers and types outside of typedefs that indicate size and signedness	6.3 ADV	Data type formats are configurable (default size and/or sign can be changed with the -T flexible type management option)
Allow function-like macros	19.7 ADV	Function-like macros allow more efficient code
Allow standard library functions to be #define'd	20.1 REQ	The rule cannot apply to the standard library implementation itself
Allow repeatedly included header files	19.15 REQ	All the library headers are guarded using macros

## HC(S)08

### Per-project Exceptions

---

Table 2.1 HC(S)08 general library exceptions to MISRA-C:2004 rules

Exception	MISRA-C:2004 Rule	Reason
Allow multiple exit points for functions	14.7 REQ	Use of multiple return statements can simplify code logic
Allow unions	18.4 REQ	Unions are used for effective representation of floating-point infinity
Allow 'continue' statements	14.5 REQ	Use of 'continue' statements can simplify code logic

## Per-project Exceptions

This section lists the following pre-project exceptions:

- [C Startup](#)
- [C Startup Tiny](#)
- [C Startup HCS08](#)
- [C Startup Tiny HCS08](#)
- [C Startup Banked HCS08 with MMU](#)
- [C IEEE32/32](#)
- [C IEEE32/32 Tiny](#)
- [C IEEE32/64](#)
- [C IEEE32/64 Tiny](#)
- [C no float](#)
- [C no float Tiny](#)
- [IEEE32/32 HCS08](#)
- [C IEEE32/32 Tiny HCS08](#)
- [C IEEE32/64 HCS08](#)
- [C IEEE32/64 Tiny HCS08](#)
- [C no float HCS08](#)
- [C no float tiny HCS08](#)
- [C IEEE32/32 banked HCS08 with MMU](#)

- [C IEEE32/64 banked HCS08 with MMU](#)
- [C no float banked HCS08 with MMU](#)

## C Startup

This section lists the C Startup pre-project exceptions.

---

### **Note #961, Start08.c, line 32: Violates MISRA-C:2004 Advisory Rule 19.1, only preprocessor statements and comments before #include [MISRA-C:2004 Rule 19.1, ADV]**

The file being included is 'non\_bank.sgm', which is an HC08-specific header file that contains a CODE\_SEG pragma only. The declaration of 'main' cannot be moved after the include directive because it would be affected by the CODE\_SEG pragma.

---

### **Warning #537, Start08.c, line 33: Repeated include file <location of 'non\_bank.sgm'> [MISRA-C:2004 Rule 19.15, REQ]**

File 'non\_bank.sgm' is not a regular header file. Instead, it contains a CODE\_SEG pragma and must be included whenever a particular function or set of functions needs to be placed in non-banked memory.

---

### **Warning #522, Start08.c, line 324: Highest operation, function 'Init', lacks side-effects [MISRA-C:2004 14.2, REQ]**

Function 'Init' contains inline assembly, so it does have side effects (even though PC-Lint deems it a pure function).

---

### **Note #961, hidef.h, line 114: Violates MISRA-C:2004 Advisory Rule**

## **19.13, '#/##' operator used [MISRA-C:2004 Rule 19.13, ADV]**

The message is reported for macro `HALT_AND_QUIT`, which is not a function-like macro. The '#' character in its replacement does not stand for the stringification preprocessing operator:

```
#define HALT_AND_QUIT          HALTX (#32)
```

### **C Startup Tiny**

No new exceptions, once target 'C Startup' has been processed - refer to [C.Startup](#) section for exceptions logged for 'C Startup'.

### **C Startup HCS08**

This section lists the C Startup pre-project exceptions for HCS08.

---

## **Note #961, hidef.h, line 147: Violates MISRA-C:2004 Advisory Rule 19.13, '#/##' operator used [MISRA-C:2004 19.13 ADV]**

Thanks to `pragma NO_STRING_CONSTR`, the '#' character is not used as the stringification preprocessing operator, but as an inline assembly operator.

Refer to '[C.Startup](#)' section for other exceptions.

### **C Startup Tiny HCS08**

No new exceptions, once target 'C Startup' has been processed - refer to [C.Startup](#) section for exceptions logged for 'C Startup'.

### **C Startup Banked HCS08 with MMU**

No new exceptions, once target 'C Startup' has been processed - refer to [C.Startup](#) section for exceptions logged for 'C Startup'.

### **C IEEE32/32**

This section lists the C Startup pre-project exceptions for HCS08.

---

---

**Warning #586, assert.c, line 17: function 'abort' is deprecated [MISRA-C:2004 Rule 20.11, REQ]**

Function 'abort' is used to implement standard library function 'assert'.

---

**Warning #522, EMBEDDED.c, line 39: Highest operation, a 'constant', lacks side-effects [MISRA-C:2004 14.2, REQ]**

The warning is reported for the invocation of 'va\_end' in function 'printf' of the standard library.

---

**Warning #586, MATH.c, line 296: variable 'errno' is deprecated [MISRA-C:2004 20.5, REQ]**

The warning is reported for uses of variable 'errno' within the HC08 implementation of the standard library.

---

**Warning #527, MATH08F.c, line 104: Unreachable code at token 'return' [MISRA-C:2004 Rule 14.1, REQ]**

The 'return' statement belongs to a function that contains inline assembly. It is placed after a labeled inline assembly instruction, so it is reachable via jumps to that label.

---

**Warning #533, MATH08F.c, line 149: function <Name> should return a value [MISRA-C:2004 Rule 16.8, REQ]**

The function does return a value. The 'return' statement is placed after a labeled inline assembly instruction.

---

---

**Warning #616, PRINTF.c, line 443: control flows into case/default [MISRA 2004 Rule 15.2, REQ]**

Fall-through is intentional. It simplifies code logic.

---

**Warning #506, PRINTF.c, line 436: Constant value Boolean [MISRA-C:2004 13.7 and 14.1, REQ]**

The Boolean value is target-dependent.

---

**Warning #424, ALLOC.C, line 275: Inappropriate deallocation (free) for modified data [MISRA-C:2004 Rule 1.2, REQ]**

The message is reported for the deallocation of the remaining unused block , when, in a call to 'realloc', the new block is smaller than the old one:

```
free(p + nunits + 1);
```

where 'nunits' is the size of the new block in allocation units.

Deallocation is appropriate.

---

**Note #960, stdlib.h, line 82: Violates MISRA-C:2004 Required Rule 16.3, all parameters shall have identifiers [MISRA-C:2004 Rule 16.3, REQ]**

The message is not reported for a function, but for the function pointer parameter of standard library function 'bsearch'.

---

**Note #960, CTYPE.C, line 150: Violates MISRA-C:2004 Required Rule 10.1, Implicit conversion changes signedness [MISRA-C:2004**

---



### **Rule 10.1, REQ]**

The conversion has no impact on bit pattern interpretation because the expression being converted is integer constant '0'.

---

### **Info #773, stdarg.h, line 118: Expression-like macro 'va\_end' not parenthesized [MISRA-C:2004 Rules 19.4 and 19.10, REQ]**

The macro is never used as an expression operand.

---

### **Info #829, EMBEDDED.C, line 19: A +headerwarn option was previously issued for header 'stdio.h' [MISRA-C:2004 Rule 20.9, REQ]**

File stdio.h is used within the standard library implementation.

---

### **Note #960, stdio.h, line 149: Violates MISRA-C:2004 Required Rule 16.1, function has variable number of arguments [MISRA-C:2004 Rule 16.1, REQ]**

The message is reported for the implementation of standard library function 'scanf'.

---

### **Note #928, EMBEDDED.C, line 36: cast from pointer to pointer [MISRA-C:2004 Rule 11.4, ADV]**

The conversion is to pointer type 'char \*'. It is a safe conversion.

---

### **Note #934, EMBEDDED.C, line 38: Taking address of near auto vari-**

**able 'format' (assignment) [MISRA-C:2004 Rule 1.2, REQ]**

The library is not dynamically linked. An absolute stack address is obtained when taking the address of the near auto variable.

---

**Info #818, EMBEDDED.C, line 100: Pointer parameter 'stream' could be declared as pointer to const [MISRA-C:2004 Rule 16.7, ADV]**

Indeed, the parameter could be declared as pointer to const, but 'fflush' is a standard library, so its prototype is left unchanged.

---

**Note #923, EMBEDDED.C, line 93: cast from int to pointer [MISRA-C:2004 Rule 11.1, REQ] [MISRA-C:2004 Rule 11.3, ADV]**

The cast is performed on return from standard library function 'fopen'. It is necessary in order to indicate that there is no support for multiple file descriptors (the descriptor returned by 'fopen' is not to be subsequently used).

---

**Info #777, MATH.C, line 185: Testing floats for equality [MISRA-C:2004 Rule 13.3, REQ]**

The purpose of the test is to compare the bit patterns for an exact match.

---

**Info #926, PRINTF.C, line 383: cast from pointer to pointer [MISRA-C:2004 11.4 ADV]**

The conversion is necessary and safe.

---

**Note #961, RTSHC08.C: Violates MISRA-C:2004 Advisory Rule**

---

### **19.13, '#/##' operator used [MISRA-C:2004 19.13 ADV]**

The '#' character is not used as the preprocessor stringification operator. It is used as an inline assembly operator.

---

### **Note #960, RTSHC08.C: Violates MISRA-C:2004 Required Rule 19.12, Multiple use of '#/##' in macro definition [MISRA-C:2004 19.12 REQ]**

The '#' character is not used in a macro definition, as the preprocessor stringification operator. It is used in HLI, as an inline assembly operator.

---

### **Note #960, RTSHC08.C: Violates MISRA Required Rule 16.1, function has variable number of arguments [MISRA-C:2004 16.1 REQ]**

Most of the functions defined in `rtshc08.c` have a variable number of arguments in order to allow for the arguments to be accessed symbolically, rather than using stack offsets.

---

### **Info #773, RTSHC08.C, line 730: Expression-like macro 'r' not parenthesized [MISRA-C:2004 19.4 REQ]**

This macro is used in HLI only.

---

### **Note #957, RTSHC08.C: Function 'Name' defined without a prototype in scope [MISRA-C:2004 8.1 REQ]**

File `rtshc08.c` contains the implementation of the HC08 runtime support. The functions defined here are invoked via jumps in compiler-generated code. They are not meant to be called in user code.

---

---

**Note #960, RTSHC08.C: Violates MISRA Required Rule 19.6, use of '#undef' discouraged [MISRA-C:2004 19.6 REQ]**

The directive allows reusing macro names across the runtime support implementation.

---

**Note #960, SCANF.C, line 29: Violates MISRA Required Rule 19.6, use of '#undef' discouraged [MISRA-C:2004 19.6 REQ]**

The message is reported for the line below:

```
#undef isspace
```

where 'isspace' is the name of both a function and a macro. The two of them can be used alternatively, depending on the main optimization target (size/time). In order to use the function, one must undefine the macro.

---

**Note #931, SCANF.C, line 189: Both sides have side-effects [MISRA-C:2004 1.2 REQ]**

The message is reported for the expression below:

```
*s++ == *format++
```

The expression is safe because 's' and 'format' do not point to the same address.

---

**Note #946, SCANF.C, line 503: Relational or subtract operator applied to pointers [MISRA-C:2004 17.2 REQ + 17.3 REQ]**

The two pointers point into the same array object.

---

**Note #946, STRING.C, line 82: Relational or subtract operator ap-**

---

### **plied to pointers [MISRA-C:2004 17.2 REQ + 17.3 REQ]**

The message is reported for a pointer comparison within the implementation of the 'memmove' standard library function. The test is necessary in order to establish whether the destination memory area overlaps with the source memory area.

If the two pointers involved in a pointer comparison do not point into the same array object, the HC(S)08 compiler performs an address comparison (comparing the addresses that are pointed to by the two operands).

---

### **Info #720, STRING.C. line 143: Boolean test of assignment [MISRA-C:2004 13.1 REQ + MISRA-C:2004 13.2 REQ]**

The assignment is deliberately used in a Boolean context.

---

### **Info #820, STRING.C, line 153: Boolean test of a parenthesized assignment [MISRA-C:2004 13.1 REQ]**

The assignment is deliberately used in a Boolean context.

---

### **Note #960, TERMINAL.C, line 14: Violates MISRA Required Rule 7.1, Octal escape sequence used [MISRA-C:2004 7.1 REQ]**

The octal escape sequence is used in a constant expression that contains octal digits only. Its value can be represented in the basic execution character set.

---

### **Note #946, ALLOC.C: Relational or subtract operator applied to pointers [MISRA-C:2004 17.2 REQ + 17.3 REQ]**

The message is reported for several pointer operations within the implementation of the memory management standard library functions. These operations are necessary.

If the two pointers involved in a pointer comparison/subtraction do not point into the same array object, the HC(S)08 compiler performs an address comparison/subtraction (comparing/subtracting the addresses that are pointed to by the two operands).

---

## C IEEE32/32 Tiny

This section lists the C IEEE32/32 Tiny pre-project exceptions.

---

### Note #960, PRINTF.C, line 532: Violates MISRA-C:2004 Required Rule 10.1, Implicit conversion changes signedness [MISRA-C:2004 101. REQ]

According to the C standard (ISO/IEC 9899:1999), the type of the result of sizeof() is size\_t, which is an unsigned integer type. In particular, for HC08, size\_t is defined to either 'unsigned char' for the TINY memory model, or 'unsigned int' otherwise.

## C IEEE32/64

This section lists the C IEEE32/64 pre-project exceptions.

---

### Info #704, MATHF.C, line 291: Shift right of signed quantity (int) [MISRA-C:2004 12.7 REQ]

The right hand operand of the shift-right expression is positive.

## C IEEE32/64 Tiny

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C no float

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C no float Tiny

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

---

## IEEE32/32 HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C IEEE32/32 Tiny HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C IEEE32/64 HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) C IEEE 32/64' for the complete list of exceptions on non-startup library projects.

## C IEEE32/64 Tiny HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C no float HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C no float tiny HCS08

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C IEEE32/32 banked HCS08 with MMU

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## C IEEE32/64 banked HCS08 with MMU

No new exceptions - refer to sections [C IEEE32/32](#), [C IEEE32/32 Tiny](#) and [C IEEE32/64](#) for the complete list of exceptions on non-startup library projects.

## **C no float banked HCS08 with MMU**

No new exceptions - refer to sections [CJEEE32/32](#), [CJEEE32/32\\_Tiny](#) and [CJEEE32/64](#) for the complete list of exceptions on non-startup library projects.



# RS08

---

This chapter contains these topics for RS08:

- [Inline Assembly](#)
- [General Exceptions](#)
- [Per-project Exceptions](#)

## Inline Assembly

Inline assembly is altogether ignored when checking for MISRA-C:2004 compliancy.

## General Exceptions

The following table lists the exceptions to MISRA-C:2004 rules that apply across all the library projects.

**Table 3.1 RS08 general library exceptions to MISRA-C:2004 rules**

Exception	MISRA-C:2004 Rule	Reason
Accept non-ANSI reserved words 'near' and 'far'	1.1 REQ + 2.2 REQ	These are HC-08 specific language extensions
Accept non-ANSI reserved word '__paged'	1.1 REQ + 2.2 REQ	This is an HC-08 specific language extension
Allow the use of modifiers and types outside of typedefs that indicate size and signedness	6.3 ADV	Data type formats are configurable (default size and/or sign can be changed with the -T flexible type management option).
Allow function-like macros	19.7 ADV	Function-like macros allow more efficient code

## RS08

### Per-project Exceptions

---

**Table 3.1 RS08 general library exceptions to MISRA-C:2004 rules**

Exception	MISRA-C:2004 Rule	Reason
Allow standard library functions to be #define'd	20.1 REQ	The rule cannot apply to the standard library implementation itself
Allow repeatedly included header files	19.15 REQ	All the library headers are guarded using macros
Allow multiple exit points for functions	14.7 REQ	Use of multiple return statements can simplify code logic
Allow unions	18.4 REQ	Unions are used for effective representation of floating-point infinity
Allow 'continue' statements	14.5 REQ	Use of 'continue' statements can simplify code logic

## Per-project Exceptions

This section lists the pre-project exceptions for the following topics:

- [C no float](#)
- [C Startup](#)
- [C no Float Banked](#)
- [C Startup Banked](#)
- [C float](#)
- [C float banked](#)

### C no float

This section lists the pre-project exceptions for the *C no float* target.

---

**Error #27, RTSRS08.C, line 56: Illegal character (0x24) [MISRA 1.2**

## REQ]

The message is reported for character '\$', which is used only within inline assembly code. Although the configuration options instruct PC-Lint to ignore HLI, this error is still reported, apparently because of a (pre)processing step that is not affected by these options.

---

## Warning #506, EMBEDDED.C, line 156: Constant value Boolean [MISRA 13.7 REQ + 14.1 REQ]

The Boolean expression results from a macro expansion.

---

## Note #927, EMBEDDED.C, line 38: cast from pointer to pointer [MISRA 11.4 ADV]

The message is reported for a pointer cast from 'char \*' to 'char \*\*' in the implementation of standard library macro 'va\_start'. The cast is necessary in order to prevent the compiler from optimizing away the invocation of 'va\_start'.

The cast is safe because the area pointed to by the destination pointer has the same size as the area pointed to by the source pointer (for the SMALL memory model, the size of a default data pointer is 1).

---

## Note #923, PRINTF.C, line 506: cast from pointer to 'unsigned long' [MISRA 11.3 ADV]

The cast is necessary in order to implement support for the '%p' printf format specifier on targets on which the pointer size is not the same as that of type 'int'.

---

## Note #961, SCANF.C, line 335: Violates MISRA Required Rule 17.5, More than two pointer indirection levels used [MISRA 17.5 ADV]

It is necessary to use two indirection levels in order to implement support for the '%p' printf format specifier.

---

## C Startup

This section lists the pre-project exceptions for *C Startup* target.

---

### Note #961, STARTRS08.C, line 29: Violates MISRA-C:2004 Advisory Rule 19.1, only preprocessor statements and comments before '#include' [MISRA 19.1 ADV]

Order matters and should not be changed because header file 'starttrs08.h' contains segment pragmas. Even though, currently, these pragmas are enclosed between '#pragma push' and '#pragma pop', so they cannot affect subsequent declarations, it does not make sense to move the declaration of external function 'main' after the '#include' statement.

---

### Note #960, startrs08\_init.c, line 59: Violates MISRA-C:2004 Required Rule 8.5, no object/function definitions in header file [MISRA 8.5 REQ]

File 'startrs08\_init.c' is not a header file. It is a source file and it is included in file 'starttrs08.c' using a '#include' directive. According to the C standard (ISO/IEC 9899:1999), a '#include' directive can be used to specify either a header file or a source file.

## C no Float Banked

No new exceptions once target 'C no float' has been processed - refer to section [C no float](#) for the complete list of exceptions.

## C Startup Banked

No new exceptions once target 'C Startup' has been processed - refer to section [C Startup](#) for the complete list of exceptions.

## C float

This section lists the pre-project exceptions for *C float* target.

---

---

**Error #64, rs08math.c, line 151: Type mismatch (arg. no. 2) (ptrs to nominal) [MISRA 1.2 REQ + 8.4 REQ]**

The pointed-to types ('float' and 'double') only differ nominally.

---

**Note #957, rs08fp.c: Function 'Name' defined without a prototype in scope [MISRA 8.1 REQ]**

File 'rs08fp.c' contains the floating point runtime support. The functions implemented here are not meant to be called in user code, they are only invoked via jumps, in compiler-generated code.

## **C float banked**

No new exceptions once target 'C float' has been processed - refer to section [C float](#) for the complete list of exceptions.

**RS08**

*Per-project Exceptions*

---

# ColdFire

---

This chapter contains these topics for ColdFire:

- [Inline Assembly](#)
- [General Exceptions](#)

## Inline Assembly

Inline assembly is altogether ignored when checking for MISRA-C:2004 compliancy.

## General Exceptions

These are the exceptions to the MISRA-C:2004 rules in this library set.

### Rule 1.2: Cast from pointer to void

Used to silence "function result not used" warnings.

```
./src/alloc.c
./src/string.c
./src/wprintf.c
./src/wprintfformat.c
./src/wstring.c
```

### Rule 1.2: Both sides have side effects

Use to generate more efficient copy code ("if (\*p1++ != \*p2++)").

```
./src/mem.c
./src/string.c
./src/sun_math/Double_precision/s_asinh.c
./src/sun_math/Double_precision/s_erf.c
./src/wstring.c
```

## **Rule 1.2: Cast from pointer to pointer**

Required to access opaque data structure or directly manipulate memory.

```
./src/alloc.c
./src/mbstring.c
./src/mem_funcs.c
./src/printformat.c
./src/scanformat.c
./src/string.c
./src/strtoul.c
./src/wcstold.c
./src/wcstoul.c
./src/wprintf.c
./src/wprintfformat.c
./src/wscanf.c
./src/wstring.c
./src/ansi_files.c
./src/buffer_io.c
./src/char_io.c
./src/direct_io.c
./src/file_pos.c
./src/math_api.c
./src/math_double.c
./src/math_float.c
./src/math_fma.c
./src/misc_io.c
./src/math_<target>.c
./src/sun_math/ansi_fp.c
./src/sun_math/Double_precision/e_cosh.c
./src/sun_math/Double_precision/e_sinh.c
./src/wchar_io.c
./src/wmem_io.c
```



## **Rule 1.2: Unusual pointer cast (incompatible indirect types)**

Required for PA variable argument implementation.

```
./src/printformat.c  
./src/wprint.c  
./src/wprintformat.c
```

## **Rule 9.1 : Possibliy non initialized variable**

These are typically seen in floating point processing that depend on possible bit patterns.

```
./src/sun_math/Double_precision/e_exp.c  
./src/sun_math/Double_precision/k_rem_pio2.c
```

## **Rule 10.1 : prohibit implicit signed/ unsigned conversions**

These typically apply to initializations with bit patterns.

```
./src/alloc.c  
./src/locale.c  
./src/scanformat.c  
./src/string.c  
./src/sun_math/Double_precision/s_ceil.c  
./src/sun_math/ansi_fp.c  
./src/time.c  
./src/wctype.c  
./src/wmem.c  
./src/wtime.c
```

## **Rule 10.2: prohibit complex cast in return**

These are typically used when returning bit patterns like HUGE\_VAL

```
./src/wcstold.c
```

## **Rule 10.3 : Prohibit cast of complex expressions**

These typically apply to recasting a bitwise operation in an assignment.

```
./src/math_float.c
./src/math_fma.c
./src/mem_funcs.c
./src/sc/fenv_StarCore.c
./src/sc/file_io_StarCore.c
./src/sc/math_StarCore.c
./src/sc/mem_funcs_cpy_StarCore.c
./src/sc/mem_funcs_set_StarCore.c
./src/sc/signal_StarCore.c
./src/sc/exp_StarCore.c
./src/scanformat.c
./src/string.c
./src/strtold.c
./src/strtoul.c
./src/sun_math/ansi_fp.c
./src/sun_math/Double_precision/e_atan2.c
./src/sun_math/Double_precision/e_atanh.c
./src/sun_math/Double_precision/e_fmod.c
./src/sun_math/Double_precision/e_log10.c
./src/sun_math/Double_precision/e_pow.c
./src/sun_math/Double_precision/e_sqrt.c
./src/sun_math/Double_precision/k_rem_pio2.c
./src/sun_math/Double_precision/k_tan.c
./src/sun_math/Double_precision/s_frexp.c
./src/sun_math/Double_precision/s_ldexp.c
./src/sun_math/Double_precision/s_loglp.c
./src/sun_math/Double_precision/s_modf.c
./src/sun_math/Double_precision/s_nextafter.c
./src/sun_math/Double_precision/s_rint.c
```

```
./src/sun_math/Double_precision/s_tan.c  
./src/time.c  
./src/wcstold.c  
./src/wcstoul.c  
./src/wprintf.c  
./src/wscanf.c
```

## **Rule 10.4 : Cast of floating point to int**

These are used when casting a floating pointer to an integer base type.

```
./src/sc/exp_StarCore.c
```

## **Rule 11.3 : Prohibit casting a pointer**

These are typically used when casting a pointer to an integer base type.

```
./src/alloc.c  
./src/mem.c  
./src/mem_funcs.c  
./src/printf.c  
./src/signal.c  
./src/sc/mem_funcs_cpy_StarCore.c  
./src/sc/signal_StarCore.c  
./src/string.c
```

## **Rule 11.4 : Prohibit cast from pointer to pointer**

These are used when casting a pointer to a pointer.

```
./src/buffer_io.c  
./src/direct_io.c  
./src/printf.c  
./src/scanf.c  
./src/wchar_io.c
```

## **Rule 12.4 : Side effect on a righthand size of &&**

These are typically used when it simplifies the code to use short-circuit evaluation.

```
./src/char_io.c  
./src/printformat.c  
./src/sc/pow_StarCore.c  
./src/scanformat.c  
./src/string.c  
./src/strtold.c  
./src/strtoul.c  
./src/ansi_fp.c  
./src/time.c  
./src/wchar_io.c  
./src/wcstold.c  
./src/wcstoul.c  
./src/wprintf.c  
./src/wprintfformat.c  
./src/wscanf.c  
./src/wstring.c
```

## **Rule 12.7 : Use of arithmetic shift**

These are used when it arithmetic shift is used.

```
./src/arith.c  
./src/math_fma.c  
./src/mem.c  
./src/pa/fenv.ppc.c  
./src/sc/math_StarCore.c  
./src/sc/modf_StarCore.c  
./src/sc/sin_StarCore.c  
./src/strtoul.c  
./src/sun_math/ansi_fp.c  
./src/sun_math/Double_precision/e_acos.c
```

```
./src/sun_math/Double_precision/e_acosh.c  
./src/sun_math/Double_precision/e_asin.c  
./src/sun_math/Double_precision/e_atan2.c  
./src/sun_math/Double_precision/e_atanh.c  
./src/sun_math/Double_precision/e_exp.c  
./src/sun_math/Double_precision/e_fmod.c  
./src/sun_math/Double_precision/e_hypot.c  
./src/sun_math/Double_precision/e_log.c  
./src/sun_math/Double_precision/e_log10.c  
./src/sun_math/Double_precision/e_pow.c  
./src/sun_math/Double_precision/e_rem_pio2.c  
./src/sun_math/Double_precision/k_rem_pio2.c  
./src/sun_math/Double_precision/k_tan.c  
./src/sun_math/Double_precision/s_cbrt.c  
./src/sun_math/Double_precision/s_ceil.c  
./src/sun_math/Double_precision/s_copysign.c  
./src/sun_math/Double_precision/s_expml.c  
./src/sun_math/Double_precision/s_floor.c  
./src/wcstoul.c
```

## **Rule 12.7 : Bitwise operator applied to signed underlying type**

These are used when a bitwise operator applied to signed underlying type.

```
./src/arith.c  
./src/sun_math/Double_precision/s_ilog.c
```

## **Rule 12.10 : use of comma operator**

These are used when comma operator is used.

```
./src/alloc.c  
./src/sc/console_io_StarCore.c
```

## **Rule 13.1 : test assignment**

These are typically used for performance in tight loops.

```
./src/string.c  
./src/time.c  
./src/wstring.c  
./src/wtime.c
```

## **Rule 13.3 : float comparisons**

These are typically used when a floating point matches a pattern (zero, Nan, etc...).

```
./src/math_double.c  
./src/math_float.c  
./src/sc/atan2_StarCore.c  
./src/sc/exp_StarCore.c  
./src/sun_math/Double_precision/e_lgamma_r.c  
./src/sun_math/Double_precision/e_log.c  
./src/sun_math/Double_precision/e_rem_pio2.c  
./src/sun_math/Double_precision/k_rem_pio2.c  
./src/sun_math/Double_precision/k_standard.c  
./src/sun_math/Double_precision/s_log1p.c  
./src/sun_math/Double_precision/s_matherr.c  
./src/sun_math/Double_precision/s_nextafter.c
```

## **Rule 13.7 and 14.1 : constant expression in conditional**

The typically allow the code to be configuration dependent.

```
./src/alloc.c  
./src/math_double.c  
./src/math_float.c  
./src/math_longdouble.c  
./src/printformat.c  
./src/sc/asin_StarCore.c  
./src/sc/atan2_StarCore.c
```

```
./src/sc/exp_StarCore.c
./src/sc/ldexp_StarCore.c
./src/sc/log10_StarCore.c
./src/sc/log_StarCore.c
./src/sc/math_StarCore.c
./src/sc/pow_StarCore.c
./src/sc/sinh_StarCore.c
./src/sc/sqrt_StarCore.c
./src/strtold.c
./src/sun_math/ansi_fp.c
./src/sun_math/Double_precision/e_acos.c
./src/sun_math/Double_precision/e_asin.c
./src/sun_math/Double_precision/e_atan2.c
./src/sun_math/Double_precision/e_atanh.c
./src/sun_math/Double_precision/e_cosh.c
./src/sun_math/Double_precision/e_cosh.c
./src/sun_math/Double_precision/e_exp.c
./src/sun_math/Double_precision/e_fmod.c
./src/sun_math/Double_precision/e_lgamma_r.c
./src/sun_math/Double_precision/e_log.c
./src/sun_math/Double_precision/e_log10.c
./src/sun_math/Double_precision/e_pow.c
./src/sun_math/Double_precision/e_remainder.c
./src/sun_math/Double_precision/e_sqrt.c
./src/sun_math/Double_precision/s_expml.c
./src/sun_math/Double_precision/s_ilogb.c
./src/sun_math/Double_precision/s_iloglp.c
./src/sun_math/Double_precision/s_iloglp.c
./src/sun_math/Double_precision/s_logb.c
./src/sun_math/math_sun.c
./src/sun_math/Single_precision/fmodf.c
./src/sun_math/Single_precision/log2f.c
```

```
./src/wcstold.c  
./src/wprintf.c  
./src/wprintfformat.c
```

## **Rule 14.4 : goto statement**

These are typically used when a goto simplifies the code for performance.

```
./src/printformat.c  
./src/scanformat.c  
./src/sun_math/Double_precision/k_rem_pio2.c  
./src/wprintf.c  
./src/wscanf.c
```

## **Rule 14.5 : continue statement**

These are typically used when a continue simplifies the code for performance.

```
./src/printformat.c  
./src/scanformat.c  
./src/sys/uart_console_io.c  
./src/wprintf.c  
./src/wprintfformat.c  
./src/wscanf.c
```

## **Rule 14.6 : multiple break statements in a loop**

These are typically used when a break simplifies the code.

```
./src/alloc.c  
./src/char_io.c  
./src/mbstring.c  
./src/sun_math/ansi_fp.c  
./src/sys/uart_console_io.c
```

## **Rule 15.2 : case statement fallthrough**

These are typically used when it simplifies the code.



```
./src/mbstring.c  
./src/printformat.c  
./src/sc/file_io_StarCore.c  
./src/scanformat.c  
./src/strtold.c  
./src/wcstold.c  
./src/wprintf.c  
./src/wprintformat.c  
./src/wscanf.c
```

## **Rule 16.1 : variable argument lists**

These are used when implementing a C std routine with varargs (mostly stdio).

```
./src/printf.c  
./src/scanf.c  
./src/time.c  
./src/wprintf.c  
./src/wscanf.c  
./src/wtime.c
```

## **Rule 16.7 : possible const argument**

These are used when implementing a C std routine which could use const arguments.

```
./src/alloc.c  
./src/coldfire/uart_console_io_cf.c  
./src/file_pos.c  
./src/pa/fend.ppc.c  
./src/mbstring.c  
./src/misc_io.c  
./src/printf.c  
./src/sc/console_io_StarCore.c  
./src/sc/file_io_StarCore.c  
./src/scanf.c  
./src/scanformat.c
```

```
./src/secure_error.c
./src/wprintf.c
./src/wprintfformat.c
./src/wscanf.c
```

## **Rule 17.3 : pointer arithmetic**

These are typically used when pointer arithmetic is required.

```
./src/alloc.c
./src/buffer_io.c
./src/char_io.c
./src/direct_io.c
./src/file_pos.c
./src/printfformat.c
./src/string.c
./src/strtold.c
./src/sun_math/ansi_fp.c
./src/time.c
./src/wcstold.c
./src/wprintf.c
./src/wprintfformat.c
./src/wscanf.c
./src/wstring.c
./src/wtime.c
```

## **Rule 19.6 : Deprecated use of undef**

These are typically used for configuration purpose enforcing some settings.

```
./src/wctype.c
```

## **Rule 20.4 : Deprecated use of malloc**

These are typically seen when a C std routine requires allocating dynamic memory.

```
./src/alloc.c
./src/ansi_files.c
```

```
./src/buffer_io.c  
./src/file_io.c  
./src/sc/file_io_StarCore.c  
./src/sc/thread_local_data_StarCore.c  
./src/string.c
```

## **Rule 20.5 : Deprecated use of errno**

These are typically seen when the C std requires setting errno.

```
./src/alloc.c  
./src/file_pos.c  
./src/math_longdouble.c  
./src/mbstring.c  
./src/sc/asin_StarCore.c  
./src/sc/atan2_StarCore.c  
./src/sc/exp_StarCore.c  
./src/sc/file_io_StarCore.c  
./src/sc/math_StarCore.c  
./src/sc/signal_StarCore.c  
./src/sc/sqrt_StarCore.c  
./src/sc/time_StarCore.c  
./src/signal.c  
./src/strtold.c  
./src/strtoul.c  
./src/sun_math/Double_precision/e_acos.c  
./src/sun_math/Double_precision/e_asin.c  
./src/sun_math/Double_precision/e_atanh.c  
./src/sun_math/Double_precision/e_log.c  
./src/sun_math/Double_precision/e_log10.c  
./src/sun_math/Double_precision/e_pow.c  
./src/sun_math/Double_precision/e_sqrt.c  
./src/sun_math/Double_precision/k_standard.c  
./src/sun_math/math_sun.c
```

```
./src/wcstold.c  
./src/wcstoul.c
```

## **Rule 20.8 : Deprecated use of raise**

These are typically seen when the C std requires raising a signal.

```
./src/abort_exit.c
```

## **Rule 20.9 : Deprecated use of <stdio.>**

These are typically seen when EWL defines functions from this header.

```
./src/assert.c  
./src/math_float.c  
./src/string.c  
./src/strtol.c  
./src/wchar_io.c  
./src/wcstoul.c  
./src/wctype.c  
./src/wprintf.c  
./src/wprintfformat.c  
./src/wscanf.c  
./src/wstring.c
```

## **Rule 20.11 : Deprecated use of abort**

These are typically seen when the C std requires calling abort.

```
./src/assert.c  
./src/secure_error.c  
./src/signal.c  
./src/sc/assert_StarCore.c  
./src/sc/signal_StarCore.c
```

## **Rule 20.12 : Deprecated use of mktime**

These are typically seen when the C std requires calling abort.

```
./src/time.c
```

`./src/wtime.c`



# Kinetis

---

This chapter contains these topics for Kinetis:

- [Inline Assembly](#)
- [General Exceptions](#)
- [Files](#)

## Inline Assembly

Inline assembly is altogether ignored when checking for MISRA-C:2004 compliancy.

## General Exceptions

These are the exceptions to the MISRA-C:2004 rules in this library set.

This file lists the MISRA-C:2004 compliance exceptions for the Freescale EWL C library. The exceptions listed cover all EWL C files and targets. However, we have only fully tested the PA and ARM targets for compliance at this point. MISRA violations were detected using the PC-Lint 9.00d tool and the `lnt/au-misra2.lnt` checker file. To verify these results you can use the makefiles that are used to build a target's library files:

```
make -C ewl/EWL_C -f -f EWL_C.ARM_CORTEXM.mak misra
PLATFORM=ARM_CORTEXM \
LNTDIR="/cygdrive/d/Lint" \
LNTINCL="-iD:/Lint/lnt" \
misra
```

This should list no MISRA violations or other PC-Lint warnings/errors.

EWL uses `EXCEPTION_RULE_*`() macros to silence violations, e.g.:

```
#define MISRA_EXCEPTION_RULE_20_5() \
/*lint -e{586} MISRA 2004 Rule 20.5: errno shall not be used
*/
```

The exception macros are defined in the header file `EWL_C/include/ewl_misra_types.h`.

## MISRA\_ALLOW\_POINTER\_CASTS

This topic lists the MISRA rule for pointer casts.

### MISRA 2004 Rule 11.4: Cast from pointer to pointer/void

Used to globally disable pointer casting related messages in some source files.

```
EWL_C/src/alloc.c Line: 40
EWL_C/src/alloc.c Line: 490
EWL_C/src/alloc.c Line: 653
EWL_C/src/alloc.c Line: 992
EWL_C/src/alloc.c Line: 1702
EWL_C/src/mbstring.c Line: 47
EWL_C/src/mem_funcs.c Line: 56
EWL_C/src/printformat.c Line: 48
EWL_C/src/scanformat.c Line: 48
EWL_C/src/string.c Line: 60
EWL_C/src/strtoul.c Line: 87
EWL_C/src/wcstold.c Line: 122
EWL_C/src/wcstoul.c Line: 96
EWL_C/src/wprintf.c Line: 58
EWL_C/src/wprintfformat.c Line: 47
EWL_C/src/wscanf.c Line: 46
EWL_C/src/wstring.c Line: 53
```

## MISRA\_EXCEPTION\_CMATH\_MACROS

This topic lists the MISRA exception rules for *cmath* macros.

### macro(506 970, signbit, fpclassify)

Used to implement signbit and fpclassify macros.

- \* MISRA 2004 Rules 13.7 and 14.1: Constant value Boolean
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

```
EWL_C/include/ansi_parms.h Line: 458
```



EWL\_C/include/cmath Line: 28

## MISRA\_EXCEPTION\_FLOAT\_CAST

This topic lists the MISRA exception rules for floating point casts.

### Exceptions to allow bit pattern -> floating point casts

Used to generate floating point values from bit patterns.

- \* MISRA 2004 Rule 1.2: unusual pointer casts
- \* unusual pointer cast
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

EWL\_C/include/ansi\_parms.h Line: 457

EWL\_C/include/cfloat Line: 99

EWL\_C/include/cfloat Line: 100

EWL\_C/include/cfloat Line: 101

EWL\_C/include/cfloat Line: 155

EWL\_C/include/cfloat Line: 156

EWL\_C/include/cfloat Line: 157

EWL\_C/include/cfloat Line: 211

EWL\_C/include/cfloat Line: 212

EWL\_C/include/cfloat Line: 213

EWL\_C/include/cmath Line: 106

EWL\_C/include/cmath Line: 122

EWL\_C/include/cmath Line: 126

EWL\_C/include/cmath Line: 151

EWL\_C/include/cmath Line: 184

EWL\_C/include/sun\_math/fdlibm.h Line: 85

EWL\_C/src/coldfire/math\_cf.c Line: 48

## MISRA\_EXCEPTION\_LONG\_NAME

This topic lists the MISRA exception rules for long internal names.

## MISRA 2004 Rule 1.2, 1.4 and 5.1: Allow long internal name

Used to allow long file names, e.g., "\_\_ewl\_generic\_count\_leading\_zero32".

EWL\_C/src/arm/float\_exceptions.c Line: 44

EWL\_C/src/arm/float\_exceptions.c Line: 154

EWL\_C/src/math\_api.c Line: 61

## MISRA\_EXCEPTION\_MATHAPISP\_MACROS

This topic lists the MISRA exception rule to access float macros as words.

### macro(929, GET\_FLOAT\_WORD, GET\_FLOAT\_UWORD, SET\_FLOAT\_WORD, SET\_FLOAT\_UWORD)

Used to implement GET\_FLOAT\_WORD, GET\_FLOAT\_UWORD, SET\_FLOAT\_WORD, SET\_FLOAT\_UWORD macros (to access floats as words).

\* MISRA 2004 Rule 11.4: Cast from pointer to pointer

EWL\_C/include/ansi\_parms.h Line: 461

EWL\_C/include/pa/fdlibm\_pa.h Line: 24

## MISRA\_EXCEPTION\_MATHAPI\_MACROS

This topic lists the MISRA exception rule to access double hi/lo words.

### macro(929, \_\_HI, \_\_UHI, \_\_LO, \_\_ULO)

Used to implement \_\_HI, \_\_UHI, \_\_LO, \_\_ULO macros (to access double hi/lo words).

\* MISRA 2004 Rule 11.4: Cast from pointer to pointer

EWL\_C/include/ansi\_parms.h Line: 460

EWL\_C/include/math\_api.h Line: 26

EWL\_C/include/math\_api.h Line: 42

EWL\_C/include/math\_api.h Line: 48

## MISRA\_EXCEPTION\_RULE\_10\_1

This topic lists the MISRA exception rule to access double hi/lo words.

### MISRA 2004 Rule 10.1: converting expressions

Used to allow implicit and explicit arithmetic conversions.

```
EWL_C/src/alloc.c Line: 327
EWL_C/src/alloc.c Line: 465
EWL_C/src/alloc.c Line: 2233
EWL_C/src/alloc.c Line: 2235
EWL_C/src/alloc.c Line: 2781
EWL_C/src/alloc.c Line: 2784
EWL_C/src/alloc.c Line: 2788
EWL_C/src/alloc.c Line: 2807
EWL_C/src/alloc.c Line: 2812
EWL_C/src/alloc.c Line: 2849
EWL_C/src/alloc.c Line: 2863
EWL_C/src/alloc.c Line: 2868
EWL_C/src/alloc.c Line: 2885
EWL_C/src/alloc.c Line: 2890
EWL_C/src/alloc.c Line: 2988
EWL_C/src/locale.c Line: 185
EWL_C/src/printformat.c Line: 1441
EWL_C/src/printformat.c Line: 1444
EWL_C/src/printformat.c Line: 1465
EWL_C/src/printformat.c Line: 1756
EWL_C/src/printformat.c Line: 1815
EWL_C/src/scanformat.c Line: 613
EWL_C/src/scanformat.c Line: 1227
EWL_C/src/scanformat.c Line: 1267
EWL_C/src/scanformat.c Line: 1383
EWL_C/src/string.c Line: 153
EWL_C/src/string.c Line: 159
```

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EWL\_C/src/string.c Line: 222  
EWL\_C/src/string.c Line: 228  
EWL\_C/src/string.c Line: 244  
EWL\_C/src/string.c Line: 250  
EWL\_C/src/string.c Line: 261  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 46  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 49  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 138  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 143  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 658  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 692  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 696  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 706  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 708  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 767  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 797  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 938  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 972  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1256  
EWL\_C/src/time.c Line: 782  
EWL\_C/src/wcstold.c Line: 347  
EWL\_C/src/wcstold.c Line: 352  
EWL\_C/src/wcstold.c Line: 377  
EWL\_C/src/wcstold.c Line: 387  
EWL\_C/src/wcstold.c Line: 402  
EWL\_C/src/wcstold.c Line: 412  
EWL\_C/src/wcstold.c Line: 443  
EWL\_C/src/wcstold.c Line: 453  
EWL\_C/src/wcstold.c Line: 463  
EWL\_C/src/wcstold.c Line: 480  
EWL\_C/src/wcstold.c Line: 490

EWL\_C/src/wcstold.c Line: 524  
EWL\_C/src/wcstold.c Line: 536  
EWL\_C/src/wcstold.c Line: 616  
EWL\_C/src/wcstold.c Line: 635  
EWL\_C/src/wcstold.c Line: 645  
EWL\_C/src/wcstold.c Line: 856  
EWL\_C/src/wcstold.c Line: 861  
EWL\_C/src/wcstold.c Line: 866  
EWL\_C/src/wcstoul.c Line: 155  
EWL\_C/src/wcstoul.c Line: 159  
EWL\_C/src/wcstoul.c Line: 170  
EWL\_C/src/wcstoul.c Line: 181  
EWL\_C/src/wcstoul.c Line: 203  
EWL\_C/src/wcstoul.c Line: 221  
EWL\_C/src/wcstoul.c Line: 298  
EWL\_C/src/wcstoul.c Line: 302  
EWL\_C/src/wcstoul.c Line: 313  
EWL\_C/src/wcstoul.c Line: 324  
EWL\_C/src/wcstoul.c Line: 346  
EWL\_C/src/wcstoul.c Line: 353  
EWL\_C/src/wcstoul.c Line: 365  
EWL\_C/src/wctype.c Line: 189  
EWL\_C/src/wctype.c Line: 258  
EWL\_C/src/wmem.c Line: 114  
EWL\_C/src/wprintf.c Line: 1122  
EWL\_C/src/wprintf.c Line: 1125  
EWL\_C/src/wprintfformat.c Line: 624  
EWL\_C/src/wprintfformat.c Line: 633  
EWL\_C/src/wprintfformat.c Line: 638  
EWL\_C/src/wprintfformat.c Line: 1273  
EWL\_C/src/wprintfformat.c Line: 1278  
EWL\_C/src/wprintfformat.c Line: 1302

EWL\_C/src/wprintfformat.c Line: 1707

EWL\_C/src/wtime.c Line: 356

## **MISRA\_EXCEPTION\_RULE\_10\_2**

This topic lists the MISRA exception rule to allow conversions in return statements.

### **MISRA 2004 Rule 10.2: Complex returns**

Used to allow conversions in return statements, e.g., "return NAN;".

EWL\_C/src/math\_fma.c Line: 65

EWL\_C/src/math\_fma.c Line: 77

EWL\_C/src/math\_fma.c Line: 82

EWL\_C/src/math\_fma.c Line: 88

EWL\_C/src/math\_fma.c Line: 117

EWL\_C/src/math\_fma.c Line: 123

EWL\_C/src/math\_fma.c Line: 131

EWL\_C/src/math\_fma.c Line: 136

EWL\_C/src/math\_fma.c Line: 148

EWL\_C/src/math\_fma.c Line: 152

EWL\_C/src/math\_fma.c Line: 159

EWL\_C/src/math\_fma.c Line: 529

EWL\_C/src/math\_fma.c Line: 534

EWL\_C/src/math\_fma.c Line: 540

EWL\_C/src/math\_fma.c Line: 569

EWL\_C/src/math\_fma.c Line: 575

EWL\_C/src/math\_fma.c Line: 583

EWL\_C/src/math\_fma.c Line: 588

EWL\_C/src/wcstold.c Line: 727

## **MISRA\_EXCEPTION\_RULE\_10\_3**

MISRA 2004 Rule 10.3: Cast of expressions

Used to allow casting of expressions, e.g., "(int32\_t)(x\_i & 0x7F800000UL);".

EWL\_C/src/math\_float.c Line: 99

EWL\_C/src/math\_float.c Line: 129  
EWL\_C/src/math\_fma.c Line: 40  
EWL\_C/src/math\_fma.c Line: 42  
EWL\_C/src/math\_fma.c Line: 44  
EWL\_C/src/math\_fma.c Line: 312  
EWL\_C/src/math\_fma.c Line: 327  
EWL\_C/src/math\_fma.c Line: 413  
EWL\_C/src/math\_fma.c Line: 424  
EWL\_C/src/math\_fma.c Line: 495  
EWL\_C/src/math\_fma.c Line: 497  
EWL\_C/src/math\_fma.c Line: 499  
EWL\_C/src/math\_fma.c Line: 742  
EWL\_C/src/math\_fma.c Line: 751  
EWL\_C/src/math\_fma.c Line: 795  
EWL\_C/src/math\_fma.c Line: 805  
EWL\_C/src/mem.c Line: 201  
EWL\_C/src/mem\_funcs.c Line: 179  
EWL\_C/src/mem\_funcs.c Line: 331  
EWL\_C/src/mem\_funcs.c Line: 504  
EWL\_C/src/sc/fenv\_StarCore.c Line: 136  
EWL\_C/src/sc/fenv\_StarCore.c Line: 155  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 345  
EWL\_C/src/sc/math\_StarCore.c Line: 78  
EWL\_C/src/sc/math\_StarCore.c Line: 110  
EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 99  
EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 118  
EWL\_C/src/sc/mem\_funcs\_set\_StarCore.c Line: 107  
EWL\_C/src/sc/signal\_StarCore.c Line: 97  
EWL\_C/src/scanformat.c Line: 930  
EWL\_C/src/scanformat.c Line: 937  
EWL\_C/src/string.c Line: 685  
EWL\_C/src/string.c Line: 895

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EWL\_C/src/string.c Line: 917  
EWL\_C/src/string.c Line: 948  
EWL\_C/src/string.c Line: 970  
EWL\_C/src/strtold.c Line: 728  
EWL\_C/src/strtold.c Line: 816  
EWL\_C/src/strtold.c Line: 896  
EWL\_C/src/strtoul.c Line: 277  
EWL\_C/src/strtoul.c Line: 356  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 32  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 129  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 263  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 327  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 384  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 413  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 416  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 169  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 206  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 294  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 356  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_frexp.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 38  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 47  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 173  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 180  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 67



EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_tanf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 63  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 120  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 363  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 366  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:  
109  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:  
192  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 127  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 213  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/s\_frexp.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 129  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 137  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:  
82  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 54  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 59  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 250  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 300  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 311  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 351  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 729  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 966

EWL\_C/src/sun\_math/ansi\_fp.c Line: 986  
EWL\_C/src/time.c Line: 399  
EWL\_C/src/wcstold.c Line: 709  
EWL\_C/src/wcstold.c Line: 768  
EWL\_C/src/wcstold.c Line: 835  
EWL\_C/src/wcstoul.c Line: 424  
EWL\_C/src/wcstoul.c Line: 456  
EWL\_C/src/wprintf.c Line: 253  
EWL\_C/src/wprintf.c Line: 280  
EWL\_C/src/wprintf.c Line: 567  
EWL\_C/src/wprintf.c Line: 685  
EWL\_C/src/wprintfformat.c Line: 1844  
EWL\_C/src/wscanf.c Line: 146  
EWL\_C/src/wscanf.c Line: 591  
EWL\_C/src/wstring.c Line: 682  
EWL\_C/src/wstring.c Line: 695

## **MISRA\_EXCEPTION\_RULE\_10\_4**

This topic lists the MISRA exception rule to allow casting of floating point expressions.

### **MISRA 2004 Rule 10.4: cast of floating point**

Used to allow casting of floating point expressions.

EWL\_C/src/sc/exp\_StarCore.c Line: 150  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 123

## **MISRA\_EXCEPTION\_RULE\_10\_5**

This topic lists the MISRA exception rule to allow shifting of signed expressions.

### **MISRA 2004 Rule 10.5: Shift left of signed quantity**

Used to allow shifting of signed expressions, e.g., "a << 1".

EWL\_C/src/strtold.c Line: 863  
EWL\_C/src/strtold.c Line: 889  
EWL\_C/src/wcstold.c Line: 802  
EWL\_C/src/wcstold.c Line: 828

## MISRA\_EXCEPTION\_RULE\_11\_3

This topic lists the MISRA exception rules for pointer alignment computations.

### MISRA 2004 Rule 11.3: Cast pointer/non-pointer

Used in pointer alignment computations, e.g., "`((uint32_t)ptr & 3UL)`).

EWL\_C/src/alloc.c Line: 261  
EWL\_C/src/alloc.c Line: 266  
EWL\_C/src/alloc.c Line: 311  
EWL\_C/src/alloc.c Line: 320  
EWL\_C/src/alloc.c Line: 380  
EWL\_C/src/alloc.c Line: 422  
EWL\_C/src/alloc.c Line: 455  
EWL\_C/src/mem.c Line: 89  
EWL\_C/src/mem.c Line: 101  
EWL\_C/src/mem\_funcs.c Line: 88  
EWL\_C/src/mem\_funcs.c Line: 120  
EWL\_C/src/mem\_funcs.c Line: 124  
EWL\_C/src/mem\_funcs.c Line: 180  
EWL\_C/src/mem\_funcs.c Line: 264  
EWL\_C/src/mem\_funcs.c Line: 332  
EWL\_C/src/mem\_funcs.c Line: 348  
EWL\_C/src/mem\_funcs.c Line: 430  
EWL\_C/src/mem\_funcs.c Line: 440  
EWL\_C/src/mem\_funcs.c Line: 505  
EWL\_C/src/printf.c Line: 68  
EWL\_C/src/printf.c Line: 87  
EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 45

EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 88  
EWL\_C/src/sc/signal\_StarCore.c Line: 116  
EWL\_C/src/signal.c Line: 35  
EWL\_C/src/signal.c Line: 64  
EWL\_C/src/signal.c Line: 71  
EWL\_C/src/string.c Line: 146  
EWL\_C/src/string.c Line: 424

## **MISRA\_EXCEPTION\_RULE\_11\_4**

This topic lists the MISRA exception rules for accessing opaque data structure.

### **MISRA 2004 Rule 11.4: cast from pointer to pointer**

Used for opaque data structure accessing or floating point bit pattern manipulations, e.g., "(struct\_FILE \*)\_file".

EWL\_C/src/ansi\_files.c Line: 329  
EWL\_C/src/ansi\_files.c Line: 360  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 33  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 37  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 41  
EWL\_C/src/arm/locale1\_aeabi.c Line: 25  
EWL\_C/src/arm/math\_ARM.c Line: 47  
EWL\_C/src/buffer\_io.c Line: 130  
EWL\_C/src/buffer\_io.c Line: 140  
EWL\_C/src/buffer\_io.c Line: 150  
EWL\_C/src/buffer\_io.c Line: 204  
EWL\_C/src/buffer\_io.c Line: 217  
EWL\_C/src/buffer\_io.c Line: 243  
EWL\_C/src/buffer\_io.c Line: 318  
EWL\_C/src/char\_io.c Line: 50  
EWL\_C/src/char\_io.c Line: 105  
EWL\_C/src/char\_io.c Line: 129

EWL\_C/src/char\_io.c Line: 166  
EWL\_C/src/char\_io.c Line: 219  
EWL\_C/src/char\_io.c Line: 253  
EWL\_C/src/char\_io.c Line: 290  
EWL\_C/src/char\_io.c Line: 325  
EWL\_C/src/char\_io.c Line: 357  
EWL\_C/src/char\_io.c Line: 368  
EWL\_C/src/char\_io.c Line: 436  
EWL\_C/src/char\_io.c Line: 463  
EWL\_C/src/char\_io.c Line: 492  
EWL\_C/src/char\_io.c Line: 520  
EWL\_C/src/char\_io.c Line: 540  
EWL\_C/src/char\_io.c Line: 550  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 82  
EWL\_C/src/direct\_io.c Line: 66  
EWL\_C/src/direct\_io.c Line: 120  
EWL\_C/src/direct\_io.c Line: 212  
EWL\_C/src/file\_io.c Line: 178  
EWL\_C/src/file\_io.c Line: 223  
EWL\_C/src/file\_pos.c Line: 40  
EWL\_C/src/file\_pos.c Line: 171  
EWL\_C/src/file\_pos.c Line: 312  
EWL\_C/src/file\_pos.c Line: 315  
EWL\_C/src/locale.c Line: 51  
EWL\_C/src/locale.c Line: 88  
EWL\_C/src/locale.c Line: 94  
EWL\_C/src/locale.c Line: 101  
EWL\_C/src/math\_api.c Line: 113  
EWL\_C/src/math\_api.c Line: 121  
EWL\_C/src/math\_double.c Line: 56  
EWL\_C/src/math\_double.c Line: 59  
EWL\_C/src/math\_double.c Line: 93

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EWL\_C/src/math\_float.c Line: 64  
EWL\_C/src/math\_float.c Line: 201  
EWL\_C/src/math\_float.c Line: 204  
EWL\_C/src/math\_fma.c Line: 486  
EWL\_C/src/math\_fma.c Line: 489  
EWL\_C/src/math\_fma.c Line: 492  
EWL\_C/src/math\_fma.c Line: 780  
EWL\_C/src/math\_fma.c Line: 811  
EWL\_C/src/math\_fma.c Line: 820  
EWL\_C/src/math\_fma.c Line: 851  
EWL\_C/src/misc\_io.c Line: 37  
EWL\_C/src/misc\_io.c Line: 46  
EWL\_C/src/misc\_io.c Line: 56  
EWL\_C/src/pa/math\_ppc.c Line: 152  
EWL\_C/src/printf.c Line: 69  
EWL\_C/src/sc/math\_StarCore.c Line: 31  
EWL\_C/src/sc/math\_StarCore.c Line: 34  
EWL\_C/src/sc/math\_StarCore.c Line: 119  
EWL\_C/src/scanf.c Line: 83  
EWL\_C/src/scanf.c Line: 466  
EWL\_C/src/scanf.c Line: 488  
EWL\_C/src/strtold.c Line: 811  
EWL\_C/src/strtold.c Line: 947  
EWL\_C/src/strtold.c Line: 965  
EWL\_C/src/strtold.c Line: 969  
EWL\_C/src/strtold.c Line: 990  
EWL\_C/src/strtold.c Line: 994  
EWL\_C/src/strtold.c Line: 1017  
EWL\_C/src/strtold.c Line: 1021  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 90  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 136

EWL\_C/src/sun\_math/ansi\_fp.c Line: 141  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 820  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1000  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1046  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1235  
EWL\_C/src/wchar\_io.c Line: 66  
EWL\_C/src/wchar\_io.c Line: 88  
EWL\_C/src/wchar\_io.c Line: 136  
EWL\_C/src/wchar\_io.c Line: 157  
EWL\_C/src/wchar\_io.c Line: 169  
EWL\_C/src/wchar\_io.c Line: 264  
EWL\_C/src/wchar\_io.c Line: 393  
EWL\_C/src/wchar\_io.c Line: 418  
EWL\_C/src/wmem.c Line: 98

## **MISRA\_EXCEPTION\_RULE\_12\_4 :**

This topic lists the MISRA exception rules for side effects in logical expressions.

## **MISRA 2004 Rule 12.4: side effect righthand of && or ||**

Used to allow sideeffect in logical expressions, e.g., "if (isnan(x) || isnan(y)) ...".

EWL\_C/src/char\_io.c Line: 192  
EWL\_C/src/math\_fma.c Line: 63  
EWL\_C/src/math\_fma.c Line: 516  
EWL\_C/src/printformat.c Line: 1647  
EWL\_C/src/printformat.c Line: 1933  
EWL\_C/src/printformat.c Line: 1945  
EWL\_C/src/printformat.c Line: 2381  
EWL\_C/src/printformat.c Line: 2429  
EWL\_C/src/sc/pow\_StarCore.c Line: 93  
EWL\_C/src/scanformat.c Line: 448  
EWL\_C/src/scanformat.c Line: 614

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### General Exceptions

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EWL\_C/src/scanformat.c Line: 690  
EWL\_C/src/scanformat.c Line: 1226  
EWL\_C/src/scanformat.c Line: 1266  
EWL\_C/src/scanformat.c Line: 1384  
EWL\_C/src/scanformat.c Line: 1440  
EWL\_C/src/string.c Line: 1193  
EWL\_C/src/string.c Line: 1225  
EWL\_C/src/string.c Line: 1268  
EWL\_C/src/strtold.c Line: 345  
EWL\_C/src/strtold.c Line: 370  
EWL\_C/src/strtold.c Line: 377  
EWL\_C/src/strtold.c Line: 723  
EWL\_C/src/strtoul.c Line: 196  
EWL\_C/src/strtoul.c Line: 454  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 92  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1024  
EWL\_C/src/time.c Line: 104  
EWL\_C/src/wchar\_io.c Line: 390  
EWL\_C/src/wcstold.c Line: 314  
EWL\_C/src/wcstold.c Line: 339  
EWL\_C/src/wcstold.c Line: 346  
EWL\_C/src/wcstold.c Line: 704  
EWL\_C/src/wcstoul.c Line: 213  
EWL\_C/src/wcstoul.c Line: 357  
EWL\_C/src/wprintf.c Line: 1232  
EWL\_C/src/wprintf.c Line: 1513  
EWL\_C/src/wprintf.c Line: 1525  
EWL\_C/src/wprintf.c Line: 1824  
EWL\_C/src/wprintf.c Line: 1870  
EWL\_C/src/wprintfformat.c Line: 1501  
EWL\_C/src/wprintfformat.c Line: 1835



EWL\_C/src/wprintf.c Line: 1849  
EWL\_C/src/wscanf.c Line: 306  
EWL\_C/src/wscanf.c Line: 368  
EWL\_C/src/wscanf.c Line: 413  
EWL\_C/src/wscanf.c Line: 719  
EWL\_C/src/wscanf.c Line: 756  
EWL\_C/src/wscanf.c Line: 824  
EWL\_C/src/wscanf.c Line: 886  
EWL\_C/src/wstring.c Line: 97

## **MISRA\_EXCEPTION\_RULE\_12\_7 :**

This topic lists the MISRA exception rules for bitwise shift operator applied to signed underlying type.

### **MISRA 2004 Rule 12.7: Bitwise shift operator applied to signed underlying type**

Used to allow >>, e.g., "ex >>= 23;".

EWL\_C/src/math\_fma.c Line: 236  
EWL\_C/src/math\_fma.c Line: 685  
EWL\_C/src/mem.c Line: 102  
EWL\_C/src/pa/fenv.ppc.c Line: 73  
EWL\_C/src/pa/fenv.ppc.c Line: 122  
EWL\_C/src/pa/fenv.ppc.c Line: 166  
EWL\_C/src/pa/fenv.ppc.c Line: 218  
EWL\_C/src/pa/fenv.ppc.c Line: 273  
EWL\_C/src/sc/math\_StarCore.c Line: 46  
EWL\_C/src/sc/math\_StarCore.c Line: 68  
EWL\_C/src/sc/math\_StarCore.c Line: 72  
EWL\_C/src/sc/math\_StarCore.c Line: 83  
EWL\_C/src/sc/math\_StarCore.c Line: 115  
EWL\_C/src/sc/math\_StarCore.c Line: 117  
EWL\_C/src/sc/modf\_StarCore.c Line: 16

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### General Exceptions

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EWL\_C/src/sc/sin\_StarCore.c Line: 128  
EWL\_C/src/sc/sin\_StarCore.c Line: 134  
EWL\_C/src/sc/sin\_StarCore.c Line: 141  
EWL\_C/src/strtoul.c Line: 303  
EWL\_C/src/strtoul.c Line: 532  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 109  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 175  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 190  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 33  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 183  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 266  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 373  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 437  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 439  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 152

EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 184  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 190  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 224  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 249  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 268  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 54  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 97  
EWL\_C/src/sun\_math/Double\_precision/s\_copysign.c Line: 31  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 245  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 251  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 34  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 156  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 47  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 116  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 116  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 115  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 154  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 224

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EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 387  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 389  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:123  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:135  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:148  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:168  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:173  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:177  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:186  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:217  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:219  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 111  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:124  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:147  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:166  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 100  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 169  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 171  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 177  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 47  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 489  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1191  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1413  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1441  
EWL\_C/src/wcstoul.c Line: 482  
EWL\_C/src/wcstoul.c Line: 526

## MISRA\_EXCEPTION\_RULE\_12\_7a

This topic lists the MISRA exception rule for the bitwise operator (*and* (&), *or* (|)) applied to the signed underlying type.

### MISRA 2004 Rule 12.7: Bitwise operator (and(&), or(|)) applied to signed underlying type

Used to allow bitwise "&" on signed types, e.g., "intpart & 1L".

```
EWL_C/src/sun_math/Single_precision/e_fmodf.c Line: 48
EWL_C/src/sun_math/Single_precision/k_tanf.c Line: 114
EWL_C/src/sun_math/Single_precision/k_tanf.c Line: 119
EWL_C/src/sun_math/Single_precision/s_ilogbf.c Line: 61
EWL_C/src/sun_math/Single_precision/s_rintf.c Line: 42
EWL_C/src/sun_math/Single_precision/s_scalbnf.c Line: 41
EWL_C/src/sun_math/ansi_fp.c Line: 679
EWL_C/src/sun_math/math_sun.c Line: 347
EWL_C/src/sun_math/math_sun.c Line: 437
EWL_C/src/sun_math/math_sun.c Line: 526
```

## MISRA\_EXCEPTION\_RULE\_12\_7b

This topic lists the MISRA exception rule for bitwise operator *xor* (^) used in the logical expressions or with the signed types.

### MISRA 2004 Rule 12.7: Bitwise operator xor (^) used in logical expressions or with signed types

Used to allow '^' as xor in logical expressions, e.g., "sign = ((x < 0) ^ (y < 0)) ? -1 : 1;".

```
EWL_C/src/arith.c Line: 249
EWL_C/src/arith.c Line: 273
EWL_C/src/arith.c Line: 296
EWL_C/src/sun_math/Single_precision/e_fmodf.c Line: 49
```

## MISRA\_EXCEPTION\_RULE\_13\_1

This topic lists the MISRA exception rule for boolean test of a parenthesized assignment.

## MISRA 2004 Rule 13.1: Boolean test of a parenthesized assignment

To be removed: Used to generate more efficient code, e.g., "while ((\*q++ = \*p++)) ...".

EWL\_C/src/string.c Line: 116  
EWL\_C/src/string.c Line: 283  
EWL\_C/src/string.c Line: 299  
EWL\_C/src/string.c Line: 324  
EWL\_C/src/string.c Line: 336  
EWL\_C/src/string.c Line: 356  
EWL\_C/src/string.c Line: 375  
EWL\_C/src/string.c Line: 593  
EWL\_C/src/string.c Line: 609  
EWL\_C/src/string.c Line: 776  
EWL\_C/src/string.c Line: 797  
EWL\_C/src/string.c Line: 831  
EWL\_C/src/string.c Line: 838  
EWL\_C/src/string.c Line: 852  
EWL\_C/src/string.c Line: 859  
EWL\_C/src/string.c Line: 882  
EWL\_C/src/string.c Line: 889  
EWL\_C/src/string.c Line: 903  
EWL\_C/src/string.c Line: 910  
EWL\_C/src/string.c Line: 934  
EWL\_C/src/string.c Line: 941  
EWL\_C/src/string.c Line: 956  
EWL\_C/src/string.c Line: 963  
EWL\_C/src/string.c Line: 997  
EWL\_C/src/string.c Line: 1004  
EWL\_C/src/string.c Line: 1019  
EWL\_C/src/string.c Line: 1039  
EWL\_C/src/string.c Line: 1046  
EWL\_C/src/string.c Line: 1061

EWL\_C/src/string.c Line: 1102  
EWL\_C/src/string.c Line: 1109  
EWL\_C/src/string.c Line: 1124  
EWL\_C/src/string.c Line: 1144  
EWL\_C/src/string.c Line: 1151  
EWL\_C/src/string.c Line: 1166  
EWL\_C/src/string.c Line: 1194  
EWL\_C/src/string.c Line: 1200  
EWL\_C/src/string.c Line: 1207  
EWL\_C/src/string.c Line: 1226  
EWL\_C/src/string.c Line: 1232  
EWL\_C/src/string.c Line: 1239  
EWL\_C/src/time.c Line: 827  
EWL\_C/src/wstring.c Line: 113  
EWL\_C/src/wstring.c Line: 121  
EWL\_C/src/wstring.c Line: 165  
EWL\_C/src/wstring.c Line: 182  
EWL\_C/src/wstring.c Line: 242  
EWL\_C/src/wstring.c Line: 253  
EWL\_C/src/wstring.c Line: 308  
EWL\_C/src/wstring.c Line: 327  
EWL\_C/src/wstring.c Line: 475  
EWL\_C/src/wstring.c Line: 490  
EWL\_C/src/wstring.c Line: 531  
EWL\_C/src/wstring.c Line: 552  
EWL\_C/src/wstring.c Line: 577  
EWL\_C/src/wstring.c Line: 590  
EWL\_C/src/wstring.c Line: 611  
EWL\_C/src/wstring.c Line: 623  
EWL\_C/src/wstring.c Line: 644  
EWL\_C/src/wstring.c Line: 656  
EWL\_C/src/wstring.c Line: 676

EWL\_C/src/wstring.c Line: 689  
EWL\_C/src/wstring.c Line: 729  
EWL\_C/src/wstring.c Line: 744  
EWL\_C/src/wstring.c Line: 762  
EWL\_C/src/wstring.c Line: 777  
EWL\_C/src/wstring.c Line: 812  
EWL\_C/src/wstring.c Line: 818  
EWL\_C/src/wstring.c Line: 842  
EWL\_C/src/wstring.c Line: 848  
EWL\_C/src/wstring.c Line: 855  
EWL\_C/src/wtime.c Line: 103

## **MISRA\_EXCEPTION\_RULE\_13\_3**

This topic lists the MISRA exception rule for testing the floats for equality.

### **MISRA 2004 Rule 13.3: Testing floats for equality**

Used to allow floating point equality checks, e.g., "if (x == -INFINITY) ...".

EWL\_C/src/math\_double.c Line: 75  
EWL\_C/src/math\_float.c Line: 208  
EWL\_C/src/math\_float.c Line: 306  
EWL\_C/src/math\_fma.c Line: 158  
EWL\_C/src/math\_fma.c Line: 187  
EWL\_C/src/math\_fma.c Line: 204  
EWL\_C/src/math\_fma.c Line: 608  
EWL\_C/src/math\_fma.c Line: 637  
EWL\_C/src/math\_fma.c Line: 653  
EWL\_C/src/math\_longdouble.c Line: 111  
EWL\_C/src/math\_longdouble.c Line: 173  
EWL\_C/src/math\_longdouble.c Line: 212  
EWL\_C/src/math\_longdouble.c Line: 220  
EWL\_C/src/sc/atan2\_StarCore.c Line: 47  
EWL\_C/src/sc/exp\_StarCore.c Line: 113



EWL\_C/src/sc/exp\_StarCore.c Line: 132  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 185  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 233  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 275  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 194  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 269  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 496  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 501  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 104  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 27  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 26  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:136  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:186  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:230  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 125  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:227  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:167  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:32  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 979

## **MISRA\_EXCEPTION\_RULE\_13\_7**

This topic lists the MISRA exception rule for constant value logical expressions.

## MISRA 2004 Rules 13.7 and 14.1: Constant value logical expressions

Used to allow configuration dependent constant expressions, e.g., "if ((uint\_t)math\_errhandling & (uint\_t)MATH\_ERRNO) ...".

- \* MISRA 2004 Rules 13.7 and 14.1: Constant value Boolean
- \* Boolean within 'if' always evaluates to true
- \* The right argument to operator '&&' is certain to be 0

```
EWL_C/src/alloc.c Line: 201
EWL_C/src/alloc.c Line: 466
EWL_C/src/alloc.c Line: 3142
EWL_C/src/math_double.c Line: 113
EWL_C/src/math_double.c Line: 117
EWL_C/src/math_double.c Line: 122
EWL_C/src/math_double.c Line: 153
EWL_C/src/math_double.c Line: 156
EWL_C/src/math_double.c Line: 162
EWL_C/src/math_double.c Line: 165
EWL_C/src/math_double.c Line: 241
EWL_C/src/math_double.c Line: 246
EWL_C/src/math_float.c Line: 69
EWL_C/src/math_float.c Line: 72
EWL_C/src/math_float.c Line: 77
EWL_C/src/math_float.c Line: 82
EWL_C/src/math_float.c Line: 87
EWL_C/src/math_float.c Line: 243
EWL_C/src/math_float.c Line: 247
EWL_C/src/math_float.c Line: 252
EWL_C/src/math_float.c Line: 308
EWL_C/src/math_float.c Line: 313
EWL_C/src/math_longdouble.c Line: 51
EWL_C/src/math_longdouble.c Line: 56
EWL_C/src/math_longdouble.c Line: 108
```

EWL\_C/src/math\_longdouble.c Line: 175  
EWL\_C/src/math\_longdouble.c Line: 180  
EWL\_C/src/printformat.c Line: 1404  
EWL\_C/src/printformat.c Line: 1409  
EWL\_C/src/printformat.c Line: 1414  
EWL\_C/src/printformat.c Line: 1439  
EWL\_C/src/printformat.c Line: 1463  
EWL\_C/src/printformat.c Line: 1494  
EWL\_C/src/sc/asin\_StarCore.c Line: 103  
EWL\_C/src/sc/asin\_StarCore.c Line: 108  
EWL\_C/src/sc/asin\_StarCore.c Line: 128  
EWL\_C/src/sc/asin\_StarCore.c Line: 133  
EWL\_C/src/sc/atan2\_StarCore.c Line: 23  
EWL\_C/src/sc/atan2\_StarCore.c Line: 28  
EWL\_C/src/sc/exp\_StarCore.c Line: 119  
EWL\_C/src/sc/exp\_StarCore.c Line: 138  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 26  
EWL\_C/src/sc/log10\_StarCore.c Line: 64  
EWL\_C/src/sc/log10\_StarCore.c Line: 74  
EWL\_C/src/sc/log10\_StarCore.c Line: 79  
EWL\_C/src/sc/log\_StarCore.c Line: 86  
EWL\_C/src/sc/log\_StarCore.c Line: 91  
EWL\_C/src/sc/log\_StarCore.c Line: 105  
EWL\_C/src/sc/math\_StarCore.c Line: 51  
EWL\_C/src/sc/math\_StarCore.c Line: 56  
EWL\_C/src/sc/math\_StarCore.c Line: 206  
EWL\_C/src/sc/math\_StarCore.c Line: 273  
EWL\_C/src/sc/math\_StarCore.c Line: 341  
EWL\_C/src/sc/pow\_StarCore.c Line: 97  
EWL\_C/src/sc/pow\_StarCore.c Line: 102  
EWL\_C/src/sc/pow\_StarCore.c Line: 116  
EWL\_C/src/sc/pow\_StarCore.c Line: 121

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EWL\_C/src/sc/pow\_StarCore.c Line: 150  
EWL\_C/src/sc/pow\_StarCore.c Line: 170  
EWL\_C/src/sc/pow\_StarCore.c Line: 205  
EWL\_C/src/sc/pow\_StarCore.c Line: 219  
EWL\_C/src/sc/sinh\_StarCore.c Line: 58  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 34  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 39  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 89  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 94  
EWL\_C/src/signal.c Line: 77  
EWL\_C/src/strtold.c Line: 852  
EWL\_C/src/strtold.c Line: 915  
EWL\_C/src/strtold.c Line: 919  
EWL\_C/src/strtold.c Line: 923  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 98  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 133  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 230  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 106

EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 118  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 151  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 270  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 275  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 101  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 124  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 152  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 166  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 179  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 43  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 37  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 42

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EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 83  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:183  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 110  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 122  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 141  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 231  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 236  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:61  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:66

EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 36  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 41  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 100  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 47  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 52  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1155  
EWL\_C/src/sun\_math/math\_sun.c Line: 94  
EWL\_C/src/sun\_math/math\_sun.c Line: 121  
EWL\_C/src/sun\_math/math\_sun.c Line: 180  
EWL\_C/src/sun\_math/math\_sun.c Line: 239  
EWL\_C/src/sun\_math/math\_sun.c Line: 301  
EWL\_C/src/sun\_math/math\_sun.c Line: 391  
EWL\_C/src/sun\_math/math\_sun.c Line: 480  
EWL\_C/src/sun\_math/math\_sun.c Line: 567  
EWL\_C/src/sun\_math/math\_sun.c Line: 625  
EWL\_C/src/sun\_math/math\_sun.c Line: 684

EWL\_C/src/wcstold.c Line: 791  
EWL\_C/src/wcstold.c Line: 854  
EWL\_C/src/wcstold.c Line: 859  
EWL\_C/src/wcstold.c Line: 864  
EWL\_C/src/wprintf.c Line: 1085  
EWL\_C/src/wprintf.c Line: 1089  
EWL\_C/src/wprintf.c Line: 1093  
EWL\_C/src/wprintf.c Line: 1120  
EWL\_C/src/wprintf.c Line: 1143  
EWL\_C/src/wprintf.c Line: 1168  
EWL\_C/src/wprintfformat.c Line: 1227  
EWL\_C/src/wprintfformat.c Line: 1232  
EWL\_C/src/wprintfformat.c Line: 1237  
EWL\_C/src/wprintfformat.c Line: 1270  
EWL\_C/src/wprintfformat.c Line: 1299  
EWL\_C/src/wprintfformat.c Line: 1333

## **MISRA\_EXCEPTION\_RULE\_14\_4**

This topic lists the MISRA exception rule for *goto* statements.

### **MISRA 2004 Rule 14.4: goto stmt**

Used to allow "goto" statements , e.g., for code sharing.

EWL\_C/src/printfformat.c Line: 1736  
EWL\_C/src/printfformat.c Line: 1749  
EWL\_C/src/printfformat.c Line: 2033  
EWL\_C/src/printfformat.c Line: 2042  
EWL\_C/src/printfformat.c Line: 2118  
EWL\_C/src/printfformat.c Line: 2126  
EWL\_C/src/printfformat.c Line: 2170  
EWL\_C/src/printfformat.c Line: 2188  
EWL\_C/src/printfformat.c Line: 2213  
EWL\_C/src/printfformat.c Line: 2340



EWL\_C/src/printformat.c Line: 2359  
EWL\_C/src/scanformat.c Line: 627  
EWL\_C/src/scanformat.c Line: 643  
EWL\_C/src/scanformat.c Line: 693  
EWL\_C/src/scanformat.c Line: 704  
EWL\_C/src/scanformat.c Line: 742  
EWL\_C/src/scanformat.c Line: 750  
EWL\_C/src/scanformat.c Line: 871  
EWL\_C/src/scanformat.c Line: 876  
EWL\_C/src/scanformat.c Line: 912  
EWL\_C/src/scanformat.c Line: 920  
EWL\_C/src/scanformat.c Line: 1060  
EWL\_C/src/scanformat.c Line: 1065  
EWL\_C/src/scanformat.c Line: 1169  
EWL\_C/src/scanformat.c Line: 1250  
EWL\_C/src/scanformat.c Line: 1275  
EWL\_C/src/scanformat.c Line: 1308  
EWL\_C/src/scanformat.c Line: 1412  
EWL\_C/src/scanformat.c Line: 1531  
EWL\_C/src/string.c Line: 148  
EWL\_C/src/string.c Line: 213  
EWL\_C/src/string.c Line: 236  
EWL\_C/src/string.c Line: 426  
EWL\_C/src/string.c Line: 466  
EWL\_C/src/string.c Line: 479  
EWL\_C/src/string.c Line: 488  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 282  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:180  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 322  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 361  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 368  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 674

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EWL\_C/src/sun\_math/ansi\_fp.c Line: 1006  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1017  
EWL\_C/src/wprintf.c Line: 1320  
EWL\_C/src/wprintf.c Line: 1334  
EWL\_C/src/wprintf.c Line: 1578  
EWL\_C/src/wprintf.c Line: 1587  
EWL\_C/src/wprintf.c Line: 1640  
EWL\_C/src/wprintf.c Line: 1649  
EWL\_C/src/wprintf.c Line: 1680  
EWL\_C/src/wprintf.c Line: 1698  
EWL\_C/src/wprintf.c Line: 1763  
EWL\_C/src/wprintfformat.c Line: 1616  
EWL\_C/src/wprintfformat.c Line: 1632  
EWL\_C/src/wprintfformat.c Line: 1921  
EWL\_C/src/wprintfformat.c Line: 1931  
EWL\_C/src/wprintfformat.c Line: 1991  
EWL\_C/src/wprintfformat.c Line: 2001  
EWL\_C/src/wprintfformat.c Line: 2029  
EWL\_C/src/wprintfformat.c Line: 2049  
EWL\_C/src/wprintfformat.c Line: 2131  
EWL\_C/src/wscanf.c Line: 389  
EWL\_C/src/wscanf.c Line: 416  
EWL\_C/src/wscanf.c Line: 426  
EWL\_C/src/wscanf.c Line: 456  
EWL\_C/src/wscanf.c Line: 467  
EWL\_C/src/wscanf.c Line: 535  
EWL\_C/src/wscanf.c Line: 540  
EWL\_C/src/wscanf.c Line: 574  
EWL\_C/src/wscanf.c Line: 584  
EWL\_C/src/wscanf.c Line: 665  
EWL\_C/src/wscanf.c Line: 670  
EWL\_C/src/wscanf.c Line: 729

EWL\_C/src/wscanf.c Line: 740  
EWL\_C/src/wscanf.c Line: 763  
EWL\_C/src/wscanf.c Line: 782  
EWL\_C/src/wscanf.c Line: 841  
EWL\_C/src/wscanf.c Line: 861  
EWL\_C/src/wscanf.c Line: 933

## MISRA\_EXCEPTION\_RULE\_14\_5 :

This topic lists the MISRA exception rule for *continue* statements.

### MISRA 2004 Rule 14.5: continue stmt

Used to allow "continue" statements.

EWL\_C/src/printformat.c Line: 2285  
EWL\_C/src/scanformat.c Line: 635  
EWL\_C/src/scanformat.c Line: 648  
EWL\_C/src/scanformat.c Line: 655  
EWL\_C/src/scanformat.c Line: 1221  
EWL\_C/src/scanformat.c Line: 1257  
EWL\_C/src/scanformat.c Line: 1298  
EWL\_C/src/scanformat.c Line: 1312  
EWL\_C/src/scanformat.c Line: 1379  
EWL\_C/src/scanformat.c Line: 1419  
EWL\_C/src/scanformat.c Line: 1526  
EWL\_C/src/sys/uart\_console\_io.c Line: 101  
EWL\_C/src/wprintf.c Line: 1798  
EWL\_C/src/wprintf.c Line: 2167  
EWL\_C/src/wscanf.c Line: 381  
EWL\_C/src/wscanf.c Line: 394  
EWL\_C/src/wscanf.c Line: 401  
EWL\_C/src/wscanf.c Line: 714  
EWL\_C/src/wscanf.c Line: 747  
EWL\_C/src/wscanf.c Line: 772

EWL\_C/src/wscanf.c Line: 786

EWL\_C/src/wscanf.c Line: 819

EWL\_C/src/wscanf.c Line: 848

EWL\_C/src/wscanf.c Line: 868

EWL\_C/src/wscanf.c Line: 927

## **MISRA\_EXCEPTION\_RULE\_14\_6 :**

This topic lists the MISRA exception rule for more than one *break* in a loop.

### **MISRA 2004 Rule 14.6: More than one break terminates loop**

Used to allow more than one "break;" in a loop.

EWL\_C/src/alloc.c Line: 2412

EWL\_C/src/char\_io.c Line: 223

EWL\_C/src/char\_io.c Line: 275

EWL\_C/src/mbstring.c Line: 539

EWL\_C/src/mbstring.c Line: 580

EWL\_C/src/mbstring.c Line: 588

EWL\_C/src/mbstring.c Line: 717

EWL\_C/src/mbstring.c Line: 761

EWL\_C/src/mbstring.c Line: 799

EWL\_C/src/mbstring.c Line: 850

EWL\_C/src/sun\_math/ansi\_fp.c Line: 206

EWL\_C/src/sun\_math/ansi\_fp.c Line: 1036

EWL\_C/src/sys/uart\_console\_io.c Line: 107

EWL\_C/src/sys/uart\_console\_io.c Line: 113

## **MISRA\_EXCEPTION\_RULE\_14\_7**

This topic lists the MISRA exception rule for return statements before the function end.

## MISRA 2004 Rule 14.7: Return statement before end of function

Used to allow more than one "return;" in a function

EWL\_C/src/abort\_exit.c Line: 82  
EWL\_C/src/alloc.c Line: 210  
EWL\_C/src/alloc.c Line: 245  
EWL\_C/src/alloc.c Line: 274  
EWL\_C/src/alloc.c Line: 408  
EWL\_C/src/alloc.c Line: 467  
EWL\_C/src/alloc.c Line: 2072  
EWL\_C/src/alloc.c Line: 2256  
EWL\_C/src/alloc.c Line: 2267  
EWL\_C/src/alloc.c Line: 2393  
EWL\_C/src/alloc.c Line: 2408  
EWL\_C/src/alloc.c Line: 2434  
EWL\_C/src/alloc.c Line: 2451  
EWL\_C/src/alloc.c Line: 2618  
EWL\_C/src/alloc.c Line: 2750  
EWL\_C/src/alloc.c Line: 2785  
EWL\_C/src/alloc.c Line: 2789  
EWL\_C/src/alloc.c Line: 2808  
EWL\_C/src/alloc.c Line: 2852  
EWL\_C/src/alloc.c Line: 2886  
EWL\_C/src/alloc.c Line: 2969  
EWL\_C/src/alloc.c Line: 2972  
EWL\_C/src/alloc.c Line: 2978  
EWL\_C/src/alloc.c Line: 2983  
EWL\_C/src/alloc.c Line: 3117  
EWL\_C/src/alloc.c Line: 3125  
EWL\_C/src/arith.c Line: 67  
EWL\_C/src/arith.c Line: 101  
EWL\_C/src/arith.c Line: 113

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EWL\_C/src/arith.c Line: 185  
EWL\_C/src/arith.c Line: 190  
EWL\_C/src/arith.c Line: 206  
EWL\_C/src/arith.c Line: 211  
EWL\_C/src/arith.c Line: 228  
EWL\_C/src/arith.c Line: 233  
EWL\_C/src/arith.c Line: 259  
EWL\_C/src/arith.c Line: 280  
EWL\_C/src/arith.c Line: 303  
EWL\_C/src/bsearch.c Line: 40  
EWL\_C/src/bsearch.c Line: 49  
EWL\_C/src/bsearch.c Line: 54  
EWL\_C/src/bsearch.c Line: 67  
EWL\_C/src/bsearch.c Line: 94  
EWL\_C/src/bsearch.c Line: 99  
EWL\_C/src/bsearch.c Line: 108  
EWL\_C/src/bsearch.c Line: 113  
EWL\_C/src/bsearch.c Line: 127  
EWL\_C/src/buffer\_io.c Line: 166  
EWL\_C/src/buffer\_io.c Line: 229  
EWL\_C/src/buffer\_io.c Line: 255  
EWL\_C/src/buffer\_io.c Line: 260  
EWL\_C/src/buffer\_io.c Line: 269  
EWL\_C/src/buffer\_io.c Line: 296  
EWL\_C/src/buffer\_io.c Line: 306  
EWL\_C/src/buffer\_io.c Line: 313  
EWL\_C/src/char\_io.c Line: 58  
EWL\_C/src/char\_io.c Line: 66  
EWL\_C/src/char\_io.c Line: 77  
EWL\_C/src/char\_io.c Line: 93  
EWL\_C/src/char\_io.c Line: 185  
EWL\_C/src/char\_io.c Line: 200

EWL\_C/src/char\_io.c Line: 232  
EWL\_C/src/char\_io.c Line: 269  
EWL\_C/src/char\_io.c Line: 284  
EWL\_C/src/char\_io.c Line: 331  
EWL\_C/src/char\_io.c Line: 337  
EWL\_C/src/char\_io.c Line: 360  
EWL\_C/src/char\_io.c Line: 375  
EWL\_C/src/char\_io.c Line: 390  
EWL\_C/src/char\_io.c Line: 403  
EWL\_C/src/char\_io.c Line: 411  
EWL\_C/src/char\_io.c Line: 423  
EWL\_C/src/coldfire/fenv\_cf.c Line: 231  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 64  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 107  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 114  
EWL\_C/src/direct\_io.c Line: 82  
EWL\_C/src/direct\_io.c Line: 98  
EWL\_C/src/direct\_io.c Line: 106  
EWL\_C/src/direct\_io.c Line: 229  
EWL\_C/src/direct\_io.c Line: 250  
EWL\_C/src/direct\_io.c Line: 264  
EWL\_C/src/file\_io.c Line: 165  
EWL\_C/src/file\_io.c Line: 183  
EWL\_C/src/file\_io.c Line: 187  
EWL\_C/src/file\_io.c Line: 203  
EWL\_C/src/file\_io.c Line: 209  
EWL\_C/src/file\_io.c Line: 212  
EWL\_C/src/file\_io.c Line: 228  
EWL\_C/src/file\_io.c Line: 233  
EWL\_C/src/file\_io.c Line: 238  
EWL\_C/src/file\_io.c Line: 252  
EWL\_C/src/file\_io.c Line: 271

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EWL\_C/src/file\_io.c Line: 309  
EWL\_C/src/file\_io.c Line: 327  
EWL\_C/src/file\_io.c Line: 335  
EWL\_C/src/file\_io.c Line: 347  
EWL\_C/src/file\_io.c Line: 368  
EWL\_C/src/file\_io.c Line: 376  
EWL\_C/src/file\_io.c Line: 386  
EWL\_C/src/file\_io.c Line: 394  
EWL\_C/src/file\_io.c Line: 406  
EWL\_C/src/file\_io.c Line: 432  
EWL\_C/src/file\_io.c Line: 460  
EWL\_C/src/file\_io.c Line: 468  
EWL\_C/src/file\_io.c Line: 589  
EWL\_C/src/file\_io.c Line: 593  
EWL\_C/src/file\_io.c Line: 597  
EWL\_C/src/file\_pos.c Line: 53  
EWL\_C/src/file\_pos.c Line: 58  
EWL\_C/src/file\_pos.c Line: 180  
EWL\_C/src/file\_pos.c Line: 189  
EWL\_C/src/file\_pos.c Line: 232  
EWL\_C/src/locale.c Line: 89  
EWL\_C/src/locale.c Line: 95  
EWL\_C/src/locale.c Line: 102  
EWL\_C/src/math\_api.c Line: 86  
EWL\_C/src/math\_api.c Line: 89  
EWL\_C/src/math\_api.c Line: 92  
EWL\_C/src/math\_api.c Line: 95  
EWL\_C/src/math\_api.c Line: 98  
EWL\_C/src/math\_api.c Line: 127  
EWL\_C/src/math\_api.c Line: 130  
EWL\_C/src/math\_api.c Line: 135  
EWL\_C/src/math\_api.c Line: 138



EWL\_C/src/math\_api.c Line: 165  
EWL\_C/src/math\_api.c Line: 168  
EWL\_C/src/math\_api.c Line: 175  
EWL\_C/src/math\_api.c Line: 178  
EWL\_C/src/math\_double.c Line: 66  
EWL\_C/src/math\_double.c Line: 70  
EWL\_C/src/math\_double.c Line: 78  
EWL\_C/src/math\_double.c Line: 82  
EWL\_C/src/math\_double.c Line: 143  
EWL\_C/src/math\_double.c Line: 170  
EWL\_C/src/math\_double.c Line: 255  
EWL\_C/src/math\_double.c Line: 259  
EWL\_C/src/math\_double.c Line: 263  
EWL\_C/src/math\_float.c Line: 59  
EWL\_C/src/math\_float.c Line: 93  
EWL\_C/src/math\_float.c Line: 212  
EWL\_C/src/math\_float.c Line: 218  
EWL\_C/src/math\_float.c Line: 223  
EWL\_C/src/math\_float.c Line: 328  
EWL\_C/src/math\_float.c Line: 331  
EWL\_C/src/math\_float.c Line: 341  
EWL\_C/src/math\_float.c Line: 348  
EWL\_C/src/math\_float.c Line: 354  
EWL\_C/src/math\_fma.c Line: 66  
EWL\_C/src/math\_fma.c Line: 78  
EWL\_C/src/math\_fma.c Line: 83  
EWL\_C/src/math\_fma.c Line: 89  
EWL\_C/src/math\_fma.c Line: 118  
EWL\_C/src/math\_fma.c Line: 124  
EWL\_C/src/math\_fma.c Line: 132  
EWL\_C/src/math\_fma.c Line: 137  
EWL\_C/src/math\_fma.c Line: 149

## Kinetis

### General Exceptions

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EWL\_C/src/math\_fma.c Line: 153  
EWL\_C/src/math\_fma.c Line: 161  
EWL\_C/src/math\_fma.c Line: 167  
EWL\_C/src/math\_fma.c Line: 170  
EWL\_C/src/math\_fma.c Line: 176  
EWL\_C/src/math\_fma.c Line: 179  
EWL\_C/src/math\_fma.c Line: 192  
EWL\_C/src/math\_fma.c Line: 197  
EWL\_C/src/math\_fma.c Line: 208  
EWL\_C/src/math\_fma.c Line: 213  
EWL\_C/src/math\_fma.c Line: 220  
EWL\_C/src/math\_fma.c Line: 229  
EWL\_C/src/math\_fma.c Line: 294  
EWL\_C/src/math\_fma.c Line: 394  
EWL\_C/src/math\_fma.c Line: 432  
EWL\_C/src/math\_fma.c Line: 440  
EWL\_C/src/math\_fma.c Line: 518  
EWL\_C/src/math\_fma.c Line: 530  
EWL\_C/src/math\_fma.c Line: 535  
EWL\_C/src/math\_fma.c Line: 541  
EWL\_C/src/math\_fma.c Line: 570  
EWL\_C/src/math\_fma.c Line: 576  
EWL\_C/src/math\_fma.c Line: 584  
EWL\_C/src/math\_fma.c Line: 589  
EWL\_C/src/math\_fma.c Line: 600  
EWL\_C/src/math\_fma.c Line: 603  
EWL\_C/src/math\_fma.c Line: 610  
EWL\_C/src/math\_fma.c Line: 616  
EWL\_C/src/math\_fma.c Line: 619  
EWL\_C/src/math\_fma.c Line: 625  
EWL\_C/src/math\_fma.c Line: 628  
EWL\_C/src/math\_fma.c Line: 641

EWL\_C/src/math\_fma.c Line: 646  
EWL\_C/src/math\_fma.c Line: 657  
EWL\_C/src/math\_fma.c Line: 662  
EWL\_C/src/math\_fma.c Line: 669  
EWL\_C/src/math\_fma.c Line: 678  
EWL\_C/src/math\_fma.c Line: 728  
EWL\_C/src/math\_fma.c Line: 782  
EWL\_C/src/math\_fma.c Line: 813  
EWL\_C/src/math\_fma.c Line: 822  
EWL\_C/src/math\_longdouble.c Line: 195  
EWL\_C/src/math\_longdouble.c Line: 198  
EWL\_C/src/math\_longdouble.c Line: 208  
EWL\_C/src/math\_longdouble.c Line: 217  
EWL\_C/src/math\_longdouble.c Line: 224  
EWL\_C/src/mbstring.c Line: 53  
EWL\_C/src/mbstring.c Line: 56  
EWL\_C/src/mbstring.c Line: 67  
EWL\_C/src/mbstring.c Line: 72  
EWL\_C/src/mbstring.c Line: 77  
EWL\_C/src/mbstring.c Line: 90  
EWL\_C/src/mbstring.c Line: 96  
EWL\_C/src/mbstring.c Line: 101  
EWL\_C/src/mbstring.c Line: 117  
EWL\_C/src/mbstring.c Line: 122  
EWL\_C/src/mbstring.c Line: 128  
EWL\_C/src/mbstring.c Line: 183  
EWL\_C/src/mbstring.c Line: 211  
EWL\_C/src/mbstring.c Line: 343  
EWL\_C/src/mbstring.c Line: 348  
EWL\_C/src/mbstring.c Line: 357  
EWL\_C/src/mbstring.c Line: 367  
EWL\_C/src/mbstring.c Line: 372

## Kinetis

### General Exceptions

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EWL\_C/src/mbstring.c Line: 398  
EWL\_C/src/mbstring.c Line: 412  
EWL\_C/src/mbstring.c Line: 426  
EWL\_C/src/mbstring.c Line: 454  
EWL\_C/src/mbstring.c Line: 481  
EWL\_C/src/mbstring.c Line: 499  
EWL\_C/src/mbstring.c Line: 524  
EWL\_C/src/mbstring.c Line: 561  
EWL\_C/src/mbstring.c Line: 567  
EWL\_C/src/mbstring.c Line: 625  
EWL\_C/src/mbstring.c Line: 643  
EWL\_C/src/mbstring.c Line: 667  
EWL\_C/src/mbstring.c Line: 695  
EWL\_C/src/mbstring.c Line: 740  
EWL\_C/src/mbstring.c Line: 780  
EWL\_C/src/mbstring.c Line: 823  
EWL\_C/src/mbstring.c Line: 829  
EWL\_C/src/mbstring.c Line: 864  
EWL\_C/src/mbstring.c Line: 871  
EWL\_C/src/mbstring.c Line: 874  
EWL\_C/src/mem.c Line: 117  
EWL\_C/src/mem.c Line: 193  
EWL\_C/src/mem.c Line: 203  
EWL\_C/src/mem.c Line: 224  
EWL\_C/src/mem.c Line: 236  
EWL\_C/src/mem.c Line: 258  
EWL\_C/src/mem.c Line: 261  
EWL\_C/src/mem.c Line: 275  
EWL\_C/src/mem.c Line: 278  
EWL\_C/src/mem.c Line: 296  
EWL\_C/src/mem.c Line: 304  
EWL\_C/src/mem.c Line: 317

EWL\_C/src/mem.c Line: 325  
EWL\_C/src/mem\_funcs.c Line: 94  
EWL\_C/src/mem\_funcs.c Line: 138  
EWL\_C/src/pa/fenv.ppc.c Line: 77  
EWL\_C/src/pa/fenv.ppc.c Line: 222  
EWL\_C/src/pa/fenv.ppc.c Line: 370  
EWL\_C/src/pa/fenv.ppc.c Line: 373  
EWL\_C/src/pa/fenv.ppc.c Line: 728  
EWL\_C/src/pa/fenv.ppc.c Line: 732  
EWL\_C/src/printf.c Line: 102  
EWL\_C/src/printf.c Line: 132  
EWL\_C/src/printf.c Line: 139  
EWL\_C/src/printf.c Line: 195  
EWL\_C/src/printf.c Line: 309  
EWL\_C/src/printf.c Line: 328  
EWL\_C/src/printf.c Line: 335  
EWL\_C/src/printf.c Line: 357  
EWL\_C/src/printf.c Line: 385  
EWL\_C/src/printf.c Line: 392  
EWL\_C/src/printf.c Line: 445  
EWL\_C/src/printf.c Line: 482  
EWL\_C/src/printformat.c Line: 262  
EWL\_C/src/printformat.c Line: 363  
EWL\_C/src/printformat.c Line: 510  
EWL\_C/src/printformat.c Line: 786  
EWL\_C/src/printformat.c Line: 874  
EWL\_C/src/printformat.c Line: 933  
EWL\_C/src/printformat.c Line: 1009  
EWL\_C/src/printformat.c Line: 1085  
EWL\_C/src/printformat.c Line: 1143  
EWL\_C/src/printformat.c Line: 1219  
EWL\_C/src/printformat.c Line: 1290

## Kinetis

### General Exceptions

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EWL\_C/src/printfmt.c Line: 1345  
EWL\_C/src/printfmt.c Line: 1364  
EWL\_C/src/printfmt.c Line: 1551  
EWL\_C/src/printfmt.c Line: 1556  
EWL\_C/src/printfmt.c Line: 1598  
EWL\_C/src/printfmt.c Line: 1605  
EWL\_C/src/printfmt.c Line: 1630  
EWL\_C/src/printfmt.c Line: 1680  
EWL\_C/src/printfmt.c Line: 1701  
EWL\_C/src/printfmt.c Line: 1779  
EWL\_C/src/printfmt.c Line: 1834  
EWL\_C/src/printfmt.c Line: 1935  
EWL\_C/src/printfmt.c Line: 1947  
EWL\_C/src/printfmt.c Line: 2205  
EWL\_C/src/printfmt.c Line: 2226  
EWL\_C/src/printfmt.c Line: 2261  
EWL\_C/src/printfmt.c Line: 2383  
EWL\_C/src/printfmt.c Line: 2387  
EWL\_C/src/printfmt.c Line: 2398  
EWL\_C/src/printfmt.c Line: 2408  
EWL\_C/src/printfmt.c Line: 2412  
EWL\_C/src/printfmt.c Line: 2421  
EWL\_C/src/printfmt.c Line: 2431  
EWL\_C/src/printfmt.c Line: 2439  
EWL\_C/src/printfmt.c Line: 2457  
EWL\_C/src/printfmt.c Line: 2461  
EWL\_C/src/qsrt.c Line: 117  
EWL\_C/src/qsrt.c Line: 135  
EWL\_C/src/qsrt.c Line: 179  
EWL\_C/src/qsrt.c Line: 184  
EWL\_C/src/qsrt.c Line: 201  
EWL\_C/src/scanf.c Line: 51

EWL\_C/src/scanf.c Line: 56  
EWL\_C/src/scanf.c Line: 59  
EWL\_C/src/scanf.c Line: 65  
EWL\_C/src/scanf.c Line: 70  
EWL\_C/src/scanf.c Line: 84  
EWL\_C/src/scanf.c Line: 104  
EWL\_C/src/scanf.c Line: 108  
EWL\_C/src/scanf.c Line: 118  
EWL\_C/src/scanf.c Line: 122  
EWL\_C/src/scanf.c Line: 126  
EWL\_C/src/scanf.c Line: 149  
EWL\_C/src/scanf.c Line: 156  
EWL\_C/src/scanf.c Line: 167  
EWL\_C/src/scanf.c Line: 174  
EWL\_C/src/scanf.c Line: 206  
EWL\_C/src/scanf.c Line: 213  
EWL\_C/src/scanf.c Line: 225  
EWL\_C/src/scanf.c Line: 232  
EWL\_C/src/scanf.c Line: 253  
EWL\_C/src/scanf.c Line: 275  
EWL\_C/src/scanf.c Line: 289  
EWL\_C/src/scanf.c Line: 310  
EWL\_C/src/scanf.c Line: 317  
EWL\_C/src/scanf.c Line: 329  
EWL\_C/src/scanf.c Line: 335  
EWL\_C/src/scanf.c Line: 379  
EWL\_C/src/scanf.c Line: 388  
EWL\_C/src/scanf.c Line: 411  
EWL\_C/src/scanf.c Line: 418  
EWL\_C/src/scanf.c Line: 438  
EWL\_C/src/scanf.c Line: 450  
EWL\_C/src/scanf.c Line: 469

## Kinetis

### General Exceptions

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EWL\_C/src/scanf.c Line: 484  
EWL\_C/src/scanformat.c Line: 164  
EWL\_C/src/scanformat.c Line: 188  
EWL\_C/src/scanformat.c Line: 1541  
EWL\_C/src/scanformat.c Line: 1550  
EWL\_C/src/signal.c Line: 36  
EWL\_C/src/signal.c Line: 56  
EWL\_C/src/signal.c Line: 73  
EWL\_C/src/string.c Line: 155  
EWL\_C/src/string.c Line: 161  
EWL\_C/src/string.c Line: 246  
EWL\_C/src/string.c Line: 252  
EWL\_C/src/string.c Line: 415  
EWL\_C/src/string.c Line: 432  
EWL\_C/src/string.c Line: 440  
EWL\_C/src/string.c Line: 444  
EWL\_C/src/string.c Line: 497  
EWL\_C/src/string.c Line: 502  
EWL\_C/src/string.c Line: 510  
EWL\_C/src/string.c Line: 514  
EWL\_C/src/string.c Line: 529  
EWL\_C/src/string.c Line: 555  
EWL\_C/src/string.c Line: 572  
EWL\_C/src/string.c Line: 596  
EWL\_C/src/string.c Line: 612  
EWL\_C/src/string.c Line: 681  
EWL\_C/src/string.c Line: 703  
EWL\_C/src/string.c Line: 784  
EWL\_C/src/string.c Line: 805  
EWL\_C/src/string.c Line: 841  
EWL\_C/src/string.c Line: 862  
EWL\_C/src/string.c Line: 1013



EWL\_C/src/string.c Line: 1055  
EWL\_C/src/string.c Line: 1090  
EWL\_C/src/string.c Line: 1118  
EWL\_C/src/string.c Line: 1160  
EWL\_C/src/string.c Line: 1196  
EWL\_C/src/string.c Line: 1211  
EWL\_C/src/string.c Line: 1228  
EWL\_C/src/string.c Line: 1243  
EWL\_C/src/string.c Line: 1261  
EWL\_C/src/string.c Line: 1281  
EWL\_C/src/string.c Line: 1288  
EWL\_C/src/string.c Line: 1302  
EWL\_C/src/string.c Line: 1310  
EWL\_C/src/string.c Line: 1316  
EWL\_C/src/string.c Line: 1331  
EWL\_C/src/string.c Line: 1339  
EWL\_C/src/string.c Line: 1346  
EWL\_C/src/string.c Line: 1361  
EWL\_C/src/string.c Line: 1369  
EWL\_C/src/string.c Line: 1377  
EWL\_C/src/string.c Line: 1383  
EWL\_C/src/string.c Line: 1409  
EWL\_C/src/string.c Line: 1429  
EWL\_C/src/strtold.c Line: 357  
EWL\_C/src/strtold.c Line: 405  
EWL\_C/src/strtold.c Line: 740  
EWL\_C/src/strtold.c Line: 750  
EWL\_C/src/strtold.c Line: 754  
EWL\_C/src/strtold.c Line: 757  
EWL\_C/src/strtold.c Line: 804  
EWL\_C/src/strtold.c Line: 837  
EWL\_C/src/strtold.c Line: 902

**Kinetis**  
*General Exceptions*

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EWL\_C/src/strtold.c Line: 949  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 79  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 118  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 110  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 156  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 114  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 137  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 140  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 143  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 156

EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 159  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 162  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 191  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 194  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 114  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 74  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 87  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 99  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 150  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 184  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 193  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 155  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 73

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EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 133  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 175  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 252  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 256  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 262  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 265  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 271  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 277  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 161  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 167  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 171  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 192  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 200  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 116  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 161  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 181  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 213  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 216  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 219

EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 226  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 229  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 234  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 258  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 286  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 294  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 298  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 304  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 308  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 387  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 391  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 398  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 402  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 101  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 167  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 179  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 200  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 74  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 135  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 143

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### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 163  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 16  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 20  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 26  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 30  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 38  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 42  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 70  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 124  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 72  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 104  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 113

EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 145  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 210  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 213  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 221  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 224  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 231  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 242  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 248  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 251  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 273  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 276  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 298  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 301  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 308

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EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 316  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 321  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 331  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 335  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 349  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 362  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 365  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 376  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 379  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 160  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 172  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 185  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 211  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 225  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 231  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 236  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 247  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 72  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_frexp.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 54  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 31  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 42  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 50



EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 70  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 132  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 166  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 198  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 202  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 208  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 211  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 219  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 222  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 56  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 29  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 47  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 51  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 88

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EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 106  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 103  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 110  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 113  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 67  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 115  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 129  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 75

EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 145  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 109  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 118  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 124  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 127  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 137  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 140  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 143  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 151  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 167  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 175  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 178  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 181  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 106

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EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 120  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 64  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 103  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 123  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 136  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 147  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 153  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 147  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 118  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:126  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:205  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:210  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:216  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:219  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:226

EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:233  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 104  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 112  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 128  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 132  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 138  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 160  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 163  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 171  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 132  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 152  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 176  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 179  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 182  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 188  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 191  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 196  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 201  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 220  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 248  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 251  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 263

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EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 267  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 343  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 347  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 351  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 355  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:127  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:129  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:144  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:157  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:201  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:204  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:213  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:233  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:72  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:77  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:83  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 59  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 17  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 21  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 27  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 31  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 37  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 41

EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 46  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 64  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 93  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:101  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:105  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:111  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:115  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 122  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 102

## Kinetis

### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 108  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 136  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 140  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 130  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 138  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 141  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 156  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 165  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 190  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 193  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 214  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 220  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 228  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 233



EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 243  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 247  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 261  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 274  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 277  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 288  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 291  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 108  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 154  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 162  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 173  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_frexp.c Line: 52  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/s\_ldexp.c Line: 39  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 103  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 110  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 122

## Kinetis

### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 155  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 165  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 176  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 179  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:51  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:55  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:62  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:65  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:85  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:92  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 54  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 85

EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 49  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 66  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 163  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 167  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 175  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 182  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 224  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 230  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 328  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 357  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 373  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 400  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 404  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 408  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 412  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 416  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 420  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 424

## Kinetis

### General Exceptions

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EWL\_C/src/sun\_math/ansi\_fp.c Line: 428  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 432  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 436  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 440  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 445  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 449  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 453  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 458  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 462  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 466  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 470  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 474  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 478  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 482  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 513  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 516  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 521  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 524  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 536  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 545  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 549  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 564  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 567  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 571  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 583  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 587  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 594  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 599  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 603  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 606  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 623  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 745

EWL\_C/src/sun\_math/ansi\_fp.c Line: 754  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 781  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 806  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 812  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 815  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 924  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 953  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1059  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1125  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1132  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1308  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1313  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1319  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1322  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1402  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1405  
EWL\_C/src/sun\_math/math\_sun.c Line: 114  
EWL\_C/src/sun\_math/math\_sun.c Line: 130  
EWL\_C/src/sun\_math/math\_sun.c Line: 173  
EWL\_C/src/sun\_math/math\_sun.c Line: 189  
EWL\_C/src/sun\_math/math\_sun.c Line: 232  
EWL\_C/src/sun\_math/math\_sun.c Line: 248  
EWL\_C/src/sun\_math/math\_sun.c Line: 294  
EWL\_C/src/sun\_math/math\_sun.c Line: 310  
EWL\_C/src/sun\_math/math\_sun.c Line: 384  
EWL\_C/src/sun\_math/math\_sun.c Line: 400  
EWL\_C/src/sun\_math/math\_sun.c Line: 473  
EWL\_C/src/sun\_math/math\_sun.c Line: 489  
EWL\_C/src/sun\_math/math\_sun.c Line: 560  
EWL\_C/src/sun\_math/math\_sun.c Line: 576  
EWL\_C/src/sun\_math/math\_sun.c Line: 618  
EWL\_C/src/sun\_math/math\_sun.c Line: 634

## Kinetis

### General Exceptions

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EWL\_C/src/sun\_math/math\_sun.c Line: 677  
EWL\_C/src/sun\_math/math\_sun.c Line: 693  
EWL\_C/src/sun\_math/math\_sun.c Line: 733  
EWL\_C/src/sun\_math/math\_sun.c Line: 787  
EWL\_C/src/sun\_math/math\_sun.c Line: 842  
EWL\_C/src/sun\_math/math\_sun.c Line: 1002  
EWL\_C/src/sun\_math/math\_sun.c Line: 1030  
EWL\_C/src/sun\_math/math\_sun.c Line: 1057  
EWL\_C/src/sun\_math/math\_sun.c Line: 1107  
EWL\_C/src/sun\_math/math\_sun.c Line: 1110  
EWL\_C/src/sun\_math/math\_sun.c Line: 1134  
EWL\_C/src/sun\_math/math\_sun.c Line: 1137  
EWL\_C/src/sun\_math/math\_sun.c Line: 1162  
EWL\_C/src/sun\_math/math\_sun.c Line: 1165  
EWL\_C/src/sys/uart\_console\_io.c Line: 75  
EWL\_C/src/sys/uart\_console\_io.c Line: 147  
EWL\_C/src/sys/uart\_console\_io.c Line: 153  
EWL\_C/src/time.c Line: 179  
EWL\_C/src/time.c Line: 256  
EWL\_C/src/time.c Line: 342  
EWL\_C/src/time.c Line: 422  
EWL\_C/src/time.c Line: 430  
EWL\_C/src/time.c Line: 468  
EWL\_C/src/time.c Line: 541  
EWL\_C/src/time.c Line: 558  
EWL\_C/src/time.c Line: 566  
EWL\_C/src/time.c Line: 583  
EWL\_C/src/time.c Line: 591  
EWL\_C/src/time.c Line: 612  
EWL\_C/src/time.c Line: 620  
EWL\_C/src/time.c Line: 636  
EWL\_C/src/time.c Line: 644

EWL\_C/src/time.c Line: 665  
EWL\_C/src/time.c Line: 693  
EWL\_C/src/time.c Line: 809  
EWL\_C/src/time.c Line: 838  
EWL\_C/src/time.c Line: 852  
EWL\_C/src/time.c Line: 1124  
EWL\_C/src/time.c Line: 1135  
EWL\_C/src/wchar\_io.c Line: 62  
EWL\_C/src/wchar\_io.c Line: 68  
EWL\_C/src/wchar\_io.c Line: 84  
EWL\_C/src/wchar\_io.c Line: 91  
EWL\_C/src/wchar\_io.c Line: 162  
EWL\_C/src/wchar\_io.c Line: 166  
EWL\_C/src/wchar\_io.c Line: 171  
EWL\_C/src/wchar\_io.c Line: 204  
EWL\_C/src/wchar\_io.c Line: 210  
EWL\_C/src/wchar\_io.c Line: 269  
EWL\_C/src/wchar\_io.c Line: 274  
EWL\_C/src/wchar\_io.c Line: 317  
EWL\_C/src/wchar\_io.c Line: 373  
EWL\_C/src/wchar\_io.c Line: 378  
EWL\_C/src/wchar\_io.c Line: 424  
EWL\_C/src/wcstold.c Line: 326  
EWL\_C/src/wcstold.c Line: 367  
EWL\_C/src/wcstold.c Line: 724  
EWL\_C/src/wcstold.c Line: 729  
EWL\_C/src/wcstold.c Line: 732  
EWL\_C/src/wcstold.c Line: 758  
EWL\_C/src/wcstold.c Line: 841  
EWL\_C/src/wcstold.c Line: 891  
EWL\_C/src/wctrans.c Line: 45  
EWL\_C/src/wctrans.c Line: 48

## Kinetis

### General Exceptions

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EWL\_C/src/wctrans.c Line: 59  
EWL\_C/src/wctype.c Line: 290  
EWL\_C/src/wctype.c Line: 294  
EWL\_C/src/wctype.c Line: 298  
EWL\_C/src/wctype.c Line: 302  
EWL\_C/src/wctype.c Line: 306  
EWL\_C/src/wctype.c Line: 310  
EWL\_C/src/wctype.c Line: 314  
EWL\_C/src/wctype.c Line: 318  
EWL\_C/src/wctype.c Line: 322  
EWL\_C/src/wctype.c Line: 326  
EWL\_C/src/wctype.c Line: 330  
EWL\_C/src/wmem.c Line: 43  
EWL\_C/src/wmem.c Line: 50  
EWL\_C/src/wmem.c Line: 67  
EWL\_C/src/wmem.c Line: 74  
EWL\_C/src/wmem.c Line: 99  
EWL\_C/src/wprintf.c Line: 190  
EWL\_C/src/wprintf.c Line: 262  
EWL\_C/src/wprintf.c Line: 530  
EWL\_C/src/wprintf.c Line: 604  
EWL\_C/src/wprintf.c Line: 647  
EWL\_C/src/wprintf.c Line: 721  
EWL\_C/src/wprintf.c Line: 795  
EWL\_C/src/wprintf.c Line: 835  
EWL\_C/src/wprintf.c Line: 893  
EWL\_C/src/wprintf.c Line: 967  
EWL\_C/src/wprintf.c Line: 996  
EWL\_C/src/wprintf.c Line: 1020  
EWL\_C/src/wprintf.c Line: 1045  
EWL\_C/src/wprintf.c Line: 1216  
EWL\_C/src/wprintf.c Line: 1266



EWL\_C/src/wprintf.c Line: 1289  
EWL\_C/src/wprintf.c Line: 1363  
EWL\_C/src/wprintf.c Line: 1417  
EWL\_C/src/wprintf.c Line: 1515  
EWL\_C/src/wprintf.c Line: 1527  
EWL\_C/src/wprintf.c Line: 1715  
EWL\_C/src/wprintf.c Line: 1740  
EWL\_C/src/wprintf.c Line: 1774  
EWL\_C/src/wprintf.c Line: 1826  
EWL\_C/src/wprintf.c Line: 1830  
EWL\_C/src/wprintf.c Line: 1841  
EWL\_C/src/wprintf.c Line: 1850  
EWL\_C/src/wprintf.c Line: 1854  
EWL\_C/src/wprintf.c Line: 1863  
EWL\_C/src/wprintf.c Line: 1872  
EWL\_C/src/wprintf.c Line: 1880  
EWL\_C/src/wprintf.c Line: 1940  
EWL\_C/src/wprintf.c Line: 1969  
EWL\_C/src/wprintf.c Line: 1974  
EWL\_C/src/wprintf.c Line: 2027  
EWL\_C/src/wprintf.c Line: 2067  
EWL\_C/src/wprintf.c Line: 2072  
EWL\_C/src/wprintf.c Line: 2127  
EWL\_C/src/wprintf.c Line: 2142  
EWL\_C/src/wprintf.c Line: 2146  
EWL\_C/src/wprintf.c Line: 2181  
EWL\_C/src/wprintf.c Line: 2207  
EWL\_C/src/wprintf.c Line: 2211  
EWL\_C/src/wprintf.c Line: 2340  
EWL\_C/src/wprintf.c Line: 2361  
EWL\_C/src/wprintfformat.c Line: 191  
EWL\_C/src/wprintfformat.c Line: 274

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EWL\_C/src/wprintfformat.c Line: 577  
EWL\_C/src/wprintfformat.c Line: 670  
EWL\_C/src/wprintfformat.c Line: 720  
EWL\_C/src/wprintfformat.c Line: 808  
EWL\_C/src/wprintfformat.c Line: 890  
EWL\_C/src/wprintfformat.c Line: 933  
EWL\_C/src/wprintfformat.c Line: 999  
EWL\_C/src/wprintfformat.c Line: 1082  
EWL\_C/src/wprintfformat.c Line: 1122  
EWL\_C/src/wprintfformat.c Line: 1154  
EWL\_C/src/wprintfformat.c Line: 1186  
EWL\_C/src/wprintfformat.c Line: 1386  
EWL\_C/src/wprintfformat.c Line: 1392  
EWL\_C/src/wprintfformat.c Line: 1447  
EWL\_C/src/wprintfformat.c Line: 1455  
EWL\_C/src/wprintfformat.c Line: 1484  
EWL\_C/src/wprintfformat.c Line: 1545  
EWL\_C/src/wprintfformat.c Line: 1577  
EWL\_C/src/wprintfformat.c Line: 1663  
EWL\_C/src/wprintfformat.c Line: 1729  
EWL\_C/src/wprintfformat.c Line: 1838  
EWL\_C/src/wprintfformat.c Line: 1852  
EWL\_C/src/wprintfformat.c Line: 2066  
EWL\_C/src/wprintfformat.c Line: 2101  
EWL\_C/src/wprintfformat.c Line: 2145  
EWL\_C/src/wprintfformat.c Line: 2202  
EWL\_C/src/wprintfformat.c Line: 2206  
EWL\_C/src/wprintfformat.c Line: 2220  
EWL\_C/src/wprintfformat.c Line: 2232  
EWL\_C/src/wprintfformat.c Line: 2237  
EWL\_C/src/wprintfformat.c Line: 2248  
EWL\_C/src/wprintfformat.c Line: 2259

EWL\_C/src/wprintf.c Line: 2271  
EWL\_C/src/wscanf.c Line: 133  
EWL\_C/src/wscanf.c Line: 154  
EWL\_C/src/wscanf.c Line: 942  
EWL\_C/src/wscanf.c Line: 957  
EWL\_C/src/wscanf.c Line: 960  
EWL\_C/src/wscanf.c Line: 964  
EWL\_C/src/wscanf.c Line: 967  
EWL\_C/src/wscanf.c Line: 971  
EWL\_C/src/wscanf.c Line: 987  
EWL\_C/src/wscanf.c Line: 991  
EWL\_C/src/wscanf.c Line: 1001  
EWL\_C/src/wscanf.c Line: 1005  
EWL\_C/src/wscanf.c Line: 1009  
EWL\_C/src/wscanf.c Line: 1058  
EWL\_C/src/wscanf.c Line: 1093  
EWL\_C/src/wscanf.c Line: 1097  
EWL\_C/src/wscanf.c Line: 1142  
EWL\_C/src/wscanf.c Line: 1170  
EWL\_C/src/wscanf.c Line: 1174  
EWL\_C/src/wscanf.c Line: 1216  
EWL\_C/src/wscanf.c Line: 1231  
EWL\_C/src/wscanf.c Line: 1235  
EWL\_C/src/wscanf.c Line: 1270  
EWL\_C/src/wscanf.c Line: 1274  
EWL\_C/src/wscanf.c Line: 1296  
EWL\_C/src/wscanf.c Line: 1300  
EWL\_C/src/wscanf.c Line: 1341  
EWL\_C/src/wscanf.c Line: 1356  
EWL\_C/src/wstring.c Line: 90  
EWL\_C/src/wstring.c Line: 137  
EWL\_C/src/wstring.c Line: 145

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EWL\_C/src/wstring.c Line: 206  
EWL\_C/src/wstring.c Line: 215  
EWL\_C/src/wstring.c Line: 221  
EWL\_C/src/wstring.c Line: 270  
EWL\_C/src/wstring.c Line: 279  
EWL\_C/src/wstring.c Line: 286  
EWL\_C/src/wstring.c Line: 352  
EWL\_C/src/wstring.c Line: 361  
EWL\_C/src/wstring.c Line: 370  
EWL\_C/src/wstring.c Line: 376  
EWL\_C/src/wstring.c Line: 400  
EWL\_C/src/wstring.c Line: 414  
EWL\_C/src/wstring.c Line: 437  
EWL\_C/src/wstring.c Line: 454  
EWL\_C/src/wstring.c Line: 478  
EWL\_C/src/wstring.c Line: 493  
EWL\_C/src/wstring.c Line: 539  
EWL\_C/src/wstring.c Line: 560  
EWL\_C/src/wstring.c Line: 580  
EWL\_C/src/wstring.c Line: 593  
EWL\_C/src/wstring.c Line: 614  
EWL\_C/src/wstring.c Line: 626  
EWL\_C/src/wstring.c Line: 721  
EWL\_C/src/wstring.c Line: 738  
EWL\_C/src/wstring.c Line: 771  
EWL\_C/src/wstring.c Line: 814  
EWL\_C/src/wstring.c Line: 828  
EWL\_C/src/wstring.c Line: 844  
EWL\_C/src/wstring.c Line: 860  
EWL\_C/src/wtime.c Line: 45  
EWL\_C/src/wtime.c Line: 58

## MISRA\_EXCEPTION\_RULE\_15\_2

This topic lists the MISRA exception rule for fall-through in switch statements.

### MISRA 2004 Rule 15.2: fall-through

Used to allow fall-through in switch statements.

```
EWL_C/src/mbstring.c Line: 238
EWL_C/src/mbstring.c Line: 242
EWL_C/src/mbstring.c Line: 246
EWL_C/src/mbstring.c Line: 250
EWL_C/src/mbstring.c Line: 254
EWL_C/src/mbstring.c Line: 298
EWL_C/src/mbstring.c Line: 306
EWL_C/src/mbstring.c Line: 314
EWL_C/src/mbstring.c Line: 322
EWL_C/src/mbstring.c Line: 330
EWL_C/src/printformat.c Line: 604
EWL_C/src/printformat.c Line: 1754
EWL_C/src/printformat.c Line: 1813
EWL_C/src/sc/file_io_StarCore.c Line: 99
EWL_C/src/sc/file_io_StarCore.c Line: 101
EWL_C/src/scanformat.c Line: 1345
EWL_C/src/strtold.c Line: 315
EWL_C/src/wcstold.c Line: 284
EWL_C/src/wprintf.c Line: 434
EWL_C/src/wprintfformat.c Line: 463
EWL_C/src/wprintfformat.c Line: 1706
EWL_C/src/wscanf.c Line: 803
```

## MISRA\_EXCEPTION\_RULE\_16\_1

This topic lists the MISRA exception rule for variable argument lists.

## **MISRA 2004 Rule 16.1: Variable arg list**

Used to allow variable argument lists, e.g., "int printf(const char\* format, ...);".

EWL\_C/src/printf.c Line: 93  
EWL\_C/src/printf.c Line: 125  
EWL\_C/src/printf.c Line: 163  
EWL\_C/src/printf.c Line: 165  
EWL\_C/src/printf.c Line: 185  
EWL\_C/src/printf.c Line: 187  
EWL\_C/src/printf.c Line: 215  
EWL\_C/src/printf.c Line: 255  
EWL\_C/src/printf.c Line: 494  
EWL\_C/src/printf.c Line: 507  
EWL\_C/src/printf.c Line: 520  
EWL\_C/src/printf.c Line: 533  
EWL\_C/src/scanf.c Line: 131  
EWL\_C/src/scanf.c Line: 187  
EWL\_C/src/scanf.c Line: 265  
EWL\_C/src/scanf.c Line: 302  
EWL\_C/src/scanf.c Line: 349  
EWL\_C/src/scanf.c Line: 351  
EWL\_C/src/scanf.c Line: 368  
EWL\_C/src/scanf.c Line: 370  
EWL\_C/src/scanf.c Line: 495  
EWL\_C/src/scanf.c Line: 508  
EWL\_C/src/time.c Line: 654  
EWL\_C/src/wprintf.c Line: 1934  
EWL\_C/src/wprintf.c Line: 1961  
EWL\_C/src/wprintf.c Line: 2019  
EWL\_C/src/wprintf.c Line: 2058  
EWL\_C/src/wprintf.c Line: 2251  
EWL\_C/src/wprintf.c Line: 2263  
EWL\_C/src/wprintf.c Line: 2275

EWL\_C/src/wscanf.c Line: 1040  
EWL\_C/src/wscanf.c Line: 1074  
EWL\_C/src/wscanf.c Line: 1132  
EWL\_C/src/wscanf.c Line: 1158  
EWL\_C/src/wscanf.c Line: 1388  
EWL\_C/src/wscanf.c Line: 1400  
EWL\_C/src/wtime.c Line: 36

## MISRA\_EXCEPTION\_RULE\_16\_2

This topic lists the MISRA exception rule for calls through function pointers.

### MISRA 2004 Rule 16.2: Functions shall not call themselves, directly or indirectly

Used to allow calls through function pointers.

EWL\_C/src/abort\_exit.c Line: 95  
EWL\_C/src/arm/arith\_aeabi.c Line: 26  
EWL\_C/src/arm/errno\_aeabi.c Line: 23  
EWL\_C/src/arm/fenv\_arm.c Line: 188  
EWL\_C/src/arm/float\_exceptions.c Line: 103  
EWL\_C/src/bsearch.c Line: 28  
EWL\_C/src/buffer\_io.c Line: 199  
EWL\_C/src/file\_io.c Line: 175  
EWL\_C/src/file\_pos.c Line: 29  
EWL\_C/src/mbstring.c Line: 193  
EWL\_C/src/printformat.c Line: 1894  
EWL\_C/src/qsort.c Line: 105  
EWL\_C/src/scanformat.c Line: 537  
EWL\_C/src/secure\_error.c Line: 27  
EWL\_C/src/signal.c Line: 50  
EWL\_C/src/strtold.c Line: 256  
EWL\_C/src/strtoul.c Line: 108  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 385

EWL\_C/src/time.c Line: 791  
EWL\_C/src/wcstold.c Line: 229  
EWL\_C/src/wcstoul.c Line: 117  
EWL\_C/src/wprintf.c Line: 1475  
EWL\_C/src/wprintfformat.c Line: 1798  
EWL\_C/src/wscanf.c Line: 331  
EWL\_C/src/wtime.c Line: 59

## **MISRA\_EXCEPTION\_RULE\_16\_7**

This topic lists the MISRA exception rule to declare pointer parameter as pointing to the const.

### **MISRA 2004 Rule 16.7: Pointer parameter could be declared as pointing to const**

Used when implementing a C std routine which could use const arguments.

EWL\_C/src/alloc.c Line: 2458  
EWL\_C/src/alloc.c Line: 2801  
EWL\_C/src/alloc.c Line: 2880  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 93  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 120  
EWL\_C/src/file\_pos.c Line: 118  
EWL\_C/src/mbstring.c Line: 634  
EWL\_C/src/mbstring.c Line: 649  
EWL\_C/src/mbstring.c Line: 683  
EWL\_C/src/misc\_io.c Line: 50  
EWL\_C/src/misc\_io.c Line: 60  
EWL\_C/src/pa/fenv.ppc.c Line: 427  
EWL\_C/src/pa/fenv.ppc.c Line: 482  
EWL\_C/src/printf.c Line: 71  
EWL\_C/src/printfformat.c Line: 242  
EWL\_C/src/sc/console\_io\_StarCore.c Line: 29  
EWL\_C/src/sc/console\_io\_StarCore.c Line: 55



EWL\_C/src/sc/console\_io\_StarCore.c Line: 80  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 167  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 198  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 227  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 312  
EWL\_C/src/scanf.c Line: 88  
EWL\_C/src/scanfformat.c Line: 1558  
EWL\_C/src/secure\_error.c Line: 68  
EWL\_C/src/secure\_error.c Line: 76  
EWL\_C/src/secure\_error.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 19  
EWL\_C/src/sys/uart\_console\_io.c Line: 57  
EWL\_C/src/sys/uart\_console\_io.c Line: 127  
EWL\_C/src/wprintf.c Line: 171  
EWL\_C/src/wprintfformat.c Line: 171  
EWL\_C/src/wscanf.c Line: 948

## **MISRA\_EXCEPTION\_RULE\_17\_3**

This topic lists the MISRA exception rule for the pointer operations.

### **MISRA 2004 Rule 17.2 and 17.3: Pointer operations**

Used when pointer arithmetic is required, e.g. "buffer\_len = file->buffer\_ptr - file->buffer;".

EWL\_C/src/alloc.c Line: 200  
EWL\_C/src/alloc.c Line: 236  
EWL\_C/src/alloc.c Line: 259  
EWL\_C/src/alloc.c Line: 3143  
EWL\_C/src/buffer\_io.c Line: 207  
EWL\_C/src/char\_io.c Line: 407  
EWL\_C/src/direct\_io.c Line: 272  
EWL\_C/src/direct\_io.c Line: 287

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EWL\_C/src/file\_pos.c Line: 62  
EWL\_C/src/printfformat.c Line: 872  
EWL\_C/src/printfformat.c Line: 1007  
EWL\_C/src/printfformat.c Line: 1565  
EWL\_C/src/printfformat.c Line: 1777  
EWL\_C/src/printfformat.c Line: 1941  
EWL\_C/src/printfformat.c Line: 2047  
EWL\_C/src/printfformat.c Line: 2131  
EWL\_C/src/printfformat.c Line: 2174  
EWL\_C/src/printfformat.c Line: 2192  
EWL\_C/src/printfformat.c Line: 2241  
EWL\_C/src/string.c Line: 708  
EWL\_C/src/string.c Line: 712  
EWL\_C/src/string.c Line: 735  
EWL\_C/src/string.c Line: 740  
EWL\_C/src/string.c Line: 746  
EWL\_C/src/string.c Line: 896  
EWL\_C/src/string.c Line: 918  
EWL\_C/src/string.c Line: 949  
EWL\_C/src/string.c Line: 971  
EWL\_C/src/string.c Line: 1269  
EWL\_C/src/strtold.c Line: 860  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 172  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 255  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 309  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 315  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 319  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 644  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 647  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 665  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 704  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 711

EWL\_C/src/sun\_math/ansi\_fp.c Line: 721  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 728  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 936  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 960  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 965  
EWL\_C/src/time.c Line: 78  
EWL\_C/src/time.c Line: 828  
EWL\_C/src/wcstold.c Line: 799  
EWL\_C/src/wprintf.c Line: 602  
EWL\_C/src/wprintf.c Line: 719  
EWL\_C/src/wprintf.c Line: 1361  
EWL\_C/src/wprintf.c Line: 1521  
EWL\_C/src/wprintf.c Line: 1596  
EWL\_C/src/wprintf.c Line: 1659  
EWL\_C/src/wprintf.c Line: 1684  
EWL\_C/src/wprintf.c Line: 1702  
EWL\_C/src/wprintf.c Line: 1730  
EWL\_C/src/wprintf.c Line: 1755  
EWL\_C/src/wprintfformat.c Line: 667  
EWL\_C/src/wprintfformat.c Line: 805  
EWL\_C/src/wprintfformat.c Line: 1402  
EWL\_C/src/wprintfformat.c Line: 1660  
EWL\_C/src/wprintfformat.c Line: 1845  
EWL\_C/src/wprintfformat.c Line: 1936  
EWL\_C/src/wprintfformat.c Line: 2006  
EWL\_C/src/wprintfformat.c Line: 2032  
EWL\_C/src/wprintfformat.c Line: 2052  
EWL\_C/src/wprintfformat.c Line: 2086  
EWL\_C/src/wprintfformat.c Line: 2121  
EWL\_C/src/wscanf.c Line: 99  
EWL\_C/src/wstring.c Line: 98  
EWL\_C/src/wstring.c Line: 650

EWL\_C/src/wstring.c Line: 662

EWL\_C/src/wstring.c Line: 683

EWL\_C/src/wstring.c Line: 696

EWL\_C/src/wtime.c Line: 119

## **MISRA\_EXCEPTION\_RULE\_19\_6**

This topic lists the MISRA exception rule for the use of *#undef*.

### **save -e960 MISRA 2004 Rule 19.6: Use of '#undef' is discouraged**

Used when *#undef* has to be used to control compilation.

EWL\_C/include/ansi\_parms.h Line: 456

EWL\_C/src/arm/ctype\_aeabi.c Line: 11

EWL\_C/src/arm/math\_ARM.c Line: 13

EWL\_C/src/bsearch.c Line: 16

EWL\_C/src/mbstring.c Line: 29

EWL\_C/src/mem.c Line: 21

EWL\_C/src/printf.c Line: 35

EWL\_C/src/qsort.c Line: 56

EWL\_C/src/scanf.c Line: 23

EWL\_C/src/secure\_error.c Line: 9

EWL\_C/src/string.c Line: 44

EWL\_C/src/time.c Line: 30

EWL\_C/src/wmem.c Line: 21

EWL\_C/src/wprintf.c Line: 29

EWL\_C/src/wscanf.c Line: 26

EWL\_C/src/wstring.c Line: 38

## **MISRA\_EXCEPTION\_RULE\_19\_7**

This topic lists the MISRA exception rule for the function-like macro.

## save -e961 MISRA 2004 Rule 19.7: Function-like macro

Used when a function-like macro is defined.

EWL\_C/src/alloc.c Line: 14  
EWL\_C/src/alloc.c Line: 63  
EWL\_C/src/alloc.c Line: 1973  
EWL\_C/src/alloc.c Line: 2493  
EWL\_C/src/alloc.c Line: 2559  
EWL\_C/src/bsearch.c Line: 24  
EWL\_C/src/buffer\_io.c Line: 121  
EWL\_C/src/coldfire/fenv\_cf.c Line: 31  
EWL\_C/src/mem\_funcs.c Line: 72  
EWL\_C/src/qsort.c Line: 64  
EWL\_C/src/scanformat.c Line: 140  
EWL\_C/src/string.c Line: 816  
EWL\_C/src/strtold.c Line: 232  
EWL\_C/src/strtoul.c Line: 98  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 19  
EWL\_C/src/wcstold.c Line: 202  
EWL\_C/src/wcstoul.c Line: 107

## MISRA\_EXCEPTION\_RULE\_1\_2a

This topic lists the MISRA exception rule to silence *function result not used* warnings.

## MISRA 2004 Rule 1.2: Cast from pointer to void

Used to silence "function result not used" warnings.

EWL\_C/src/alloc.c Line: 2077  
EWL\_C/src/string.c Line: 1412  
EWL\_C/src/wprintf.c Line: 980  
EWL\_C/src/wprintf.c Line: 983  
EWL\_C/src/wprintf.c Line: 989  
EWL\_C/src/wprintf.c Line: 992

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EWL\_C/src/wprintf.c Line: 1004  
EWL\_C/src/wprintf.c Line: 1007  
EWL\_C/src/wprintf.c Line: 1013  
EWL\_C/src/wprintf.c Line: 1016  
EWL\_C/src/wprintf.c Line: 1029  
EWL\_C/src/wprintf.c Line: 1032  
EWL\_C/src/wprintf.c Line: 1038  
EWL\_C/src/wprintf.c Line: 1041  
EWL\_C/src/wprintf.c Line: 1250  
EWL\_C/src/wprintf.c Line: 1253  
EWL\_C/src/wprintf.c Line: 1259  
EWL\_C/src/wprintf.c Line: 1262  
EWL\_C/src/wprintf.c Line: 1273  
EWL\_C/src/wprintf.c Line: 1276  
EWL\_C/src/wprintf.c Line: 1282  
EWL\_C/src/wprintf.c Line: 1285  
EWL\_C/src/wprintfformat.c Line: 1099  
EWL\_C/src/wprintfformat.c Line: 1104  
EWL\_C/src/wprintfformat.c Line: 1113  
EWL\_C/src/wprintfformat.c Line: 1118  
EWL\_C/src/wprintfformat.c Line: 1131  
EWL\_C/src/wprintfformat.c Line: 1136  
EWL\_C/src/wprintfformat.c Line: 1145  
EWL\_C/src/wprintfformat.c Line: 1150  
EWL\_C/src/wprintfformat.c Line: 1163  
EWL\_C/src/wprintfformat.c Line: 1168  
EWL\_C/src/wprintfformat.c Line: 1177  
EWL\_C/src/wprintfformat.c Line: 1182  
EWL\_C/src/wprintfformat.c Line: 1522  
EWL\_C/src/wprintfformat.c Line: 1527  
EWL\_C/src/wprintfformat.c Line: 1536  
EWL\_C/src/wprintfformat.c Line: 1541

EWL\_C/src/wprintfmat.c Line: 1554  
EWL\_C/src/wprintfmat.c Line: 1559  
EWL\_C/src/wprintfmat.c Line: 1568  
EWL\_C/src/wprintfmat.c Line: 1573  
EWL\_C/src/wstring.c Line: 149  
EWL\_C/src/wstring.c Line: 213  
EWL\_C/src/wstring.c Line: 225  
EWL\_C/src/wstring.c Line: 290  
EWL\_C/src/wstring.c Line: 368  
EWL\_C/src/wstring.c Line: 380  
EWL\_C/src/wstring.c Line: 512

## MISRA\_EXCEPTION\_RULE\_1\_2b

This topic lists the MISRA exception rule to generate more efficient copy code.

### MISRA 2004 Rule 1.2: Both sides have side effects

Used to generate more efficient copy code, e.g., "if (\*p1++ != \*p2++)".

EWL\_C/src/coldfire/fenv\_cf.c Line: 154  
EWL\_C/src/mem.c Line: 255  
EWL\_C/src/mem.c Line: 272  
EWL\_C/src/string.c Line: 553  
EWL\_C/src/string.c Line: 570  
EWL\_C/src/string.c Line: 1206  
EWL\_C/src/string.c Line: 1238  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 270  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 359  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 187  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 271  
EWL\_C/src/wstring.c Line: 397

EWL\_C/src/wstring.c Line: 411

EWL\_C/src/wstring.c Line: 435

EWL\_C/src/wstring.c Line: 452

EWL\_C/src/wstring.c Line: 824

EWL\_C/src/wstring.c Line: 856

## **MISRA\_EXCEPTION\_RULE\_1\_2c**

This topic lists the MISRA exception rule for unusual pointer cast.

### **MISRA 2004 Rule 1.2: Unusual pointer cast (incompatible indirect types)**

Used in vararg handling or to generate floating point values from bit patterns.

EWL\_C/src/arm/file\_io\_aeabi.c Line: 34

EWL\_C/src/arm/file\_io\_aeabi.c Line: 38

EWL\_C/src/arm/file\_io\_aeabi.c Line: 42

EWL\_C/src/arm/math\_ARM.c Line: 48

EWL\_C/src/math\_api.c Line: 112

EWL\_C/src/math\_api.c Line: 122

EWL\_C/src/math\_double.c Line: 55

EWL\_C/src/math\_double.c Line: 58

EWL\_C/src/math\_double.c Line: 92

EWL\_C/src/math\_float.c Line: 63

EWL\_C/src/math\_float.c Line: 200

EWL\_C/src/math\_float.c Line: 203

EWL\_C/src/math\_fma.c Line: 485

EWL\_C/src/math\_fma.c Line: 488

EWL\_C/src/math\_fma.c Line: 491

EWL\_C/src/math\_fma.c Line: 779

EWL\_C/src/math\_fma.c Line: 810

EWL\_C/src/math\_fma.c Line: 819

EWL\_C/src/math\_fma.c Line: 850

EWL\_C/src/pa/math\_ppc.c Line: 151



EWL\_C/src/printformat.c Line: 1954  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 89  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 135  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 821  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1001  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1047  
EWL\_C/src/wprintf.c Line: 1534  
EWL\_C/src/wprintf.c Line: 1780  
EWL\_C/src/wprintfformat.c Line: 1858  
EWL\_C/src/wscanf.c Line: 497  
EWL\_C/src/wscanf.c Line: 615  
EWL\_C/src/wscanf.c Line: 679  
EWL\_C/src/wscanf.c Line: 910

## **MISRA\_EXCEPTION\_RULE\_1\_2d**

This topic lists the MISRA exception rule for division by zero.

## **MISRA 2004 Rule 1.2: Division by zero**

Used to generate FP NaN results.

EWL\_C/src/coldfire/fenv\_cf.c Line: 155  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:209  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:225  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:232  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 87

## **MISRA\_EXCEPTION\_RULE\_20\_11**

This topic lists the MISRA exception rule for abort ().

## MISRA 2004 Rule 20.11: abort shall not be used

Used when abort() has to be used.

EWL\_C/src/arm/assert\_aeabi.c Line: 50  
EWL\_C/src/assert.c Line: 53  
EWL\_C/src/sc/assert\_StarCore.c Line: 12  
EWL\_C/src/sc/signal\_StarCore.c Line: 292  
EWL\_C/src/secure\_error.c Line: 65  
EWL\_C/src/signal.c Line: 79

## MISRA\_EXCEPTION\_RULE\_20\_12

This topic lists the MISRA exception rule for mktime().

## MISRA 2004 Rule 20.12: mktime shall not be used

Used when mktime() has to be used.

EWL\_C/src/time.c Line: 339  
EWL\_C/src/time.c Line: 485  
EWL\_C/src/time.c Line: 739  
EWL\_C/src/time.c Line: 747  
EWL\_C/src/time.c Line: 772  
EWL\_C/src/time.c Line: 783  
EWL\_C/src/time.c Line: 818  
EWL\_C/src/time.c Line: 903  
EWL\_C/src/time.c Line: 917  
EWL\_C/src/time.c Line: 978  
EWL\_C/src/time.c Line: 989  
EWL\_C/src/time.c Line: 1003  
EWL\_C/src/time.c Line: 1037  
EWL\_C/src/time.c Line: 1047  
EWL\_C/src/time.c Line: 1072  
EWL\_C/src/time.c Line: 1080  
EWL\_C/src/time.c Line: 1082

EWL\_C/src/time.c Line: 1084

EWL\_C/src/wtime.c Line: 93

EWL\_C/src/wtime.c Line: 357

## MISRA\_EXCEPTION\_RULE\_20\_4

This topic lists the MISRA exception rule for `malloc()`.

### MISRA 2004 Rule 20.4: malloc shall not be used

Used when `malloc()` has to be used.

EWL\_C/src/alloc.c Line: 417

EWL\_C/src/alloc.c Line: 437

EWL\_C/src/alloc.c Line: 462

EWL\_C/src/alloc.c Line: 470

EWL\_C/src/ansi\_files.c Line: 246

EWL\_C/src/ansi\_files.c Line: 303

EWL\_C/src/buffer\_io.c Line: 266

EWL\_C/src/buffer\_io.c Line: 302

EWL\_C/src/file\_io.c Line: 200

EWL\_C/src/file\_io.c Line: 344

EWL\_C/src/file\_io.c Line: 403

EWL\_C/src/file\_io.c Line: 659

EWL\_C/src/sc/file\_io\_StarCore.c Line: 139

EWL\_C/src/sc/file\_io\_StarCore.c Line: 301

EWL\_C/src/sc/thread\_local\_data\_StarCore.c Line: 118

EWL\_C/src/string.c Line: 636

EWL\_C/src/string.c Line: 638

EWL\_C/src/string.c Line: 645

EWL\_C/src/string.c Line: 647

EWL\_C/src/string.c Line: 686

EWL\_C/src/string.c Line: 692

EWL\_C/src/string.c Line: 694

EWL\_C/src/string.c Line: 697

EWL\_C/src/string.c Line: 752

EWL\_C/src/string.c Line: 754

EWL\_C/src/string.c Line: 760

## **MISRA\_EXCEPTION\_RULE\_20\_5**

This topic lists the MISRA exception rule for errno.

### **MISRA 2004 Rule 20.5: errno shall not be used**

Used when errno has to be used.

EWL\_C/src/file\_pos.c Line: 50

EWL\_C/src/file\_pos.c Line: 104

EWL\_C/src/file\_pos.c Line: 178

EWL\_C/src/file\_pos.c Line: 187

EWL\_C/src/file\_pos.c Line: 230

EWL\_C/src/file\_pos.c Line: 245

EWL\_C/src/math\_double.c Line: 119

EWL\_C/src/math\_double.c Line: 243

EWL\_C/src/math\_double.c Line: 248

EWL\_C/src/math\_float.c Line: 74

EWL\_C/src/math\_float.c Line: 84

EWL\_C/src/math\_float.c Line: 157

EWL\_C/src/math\_float.c Line: 249

EWL\_C/src/math\_float.c Line: 310

EWL\_C/src/math\_float.c Line: 315

EWL\_C/src/math\_float.c Line: 320

EWL\_C/src/math\_longdouble.c Line: 53

EWL\_C/src/math\_longdouble.c Line: 58

EWL\_C/src/math\_longdouble.c Line: 87

EWL\_C/src/math\_longdouble.c Line: 113

EWL\_C/src/math\_longdouble.c Line: 117

EWL\_C/src/math\_longdouble.c Line: 177

EWL\_C/src/math\_longdouble.c Line: 182

EWL\_C/src/math\_longdouble.c Line: 187  
EWL\_C/src/math\_longdouble.c Line: 215  
EWL\_C/src/math\_longdouble.c Line: 222  
EWL\_C/src/mbstring.c Line: 622  
EWL\_C/src/misc\_io.c Line: 72  
EWL\_C/src/sc/asin\_StarCore.c Line: 105  
EWL\_C/src/sc/asin\_StarCore.c Line: 110  
EWL\_C/src/sc/asin\_StarCore.c Line: 114  
EWL\_C/src/sc/asin\_StarCore.c Line: 130  
EWL\_C/src/sc/asin\_StarCore.c Line: 135  
EWL\_C/src/sc/asin\_StarCore.c Line: 139  
EWL\_C/src/sc/atan2\_StarCore.c Line: 25  
EWL\_C/src/sc/atan2\_StarCore.c Line: 30  
EWL\_C/src/sc/atan2\_StarCore.c Line: 34  
EWL\_C/src/sc/exp\_StarCore.c Line: 32  
EWL\_C/src/sc/exp\_StarCore.c Line: 37  
EWL\_C/src/sc/exp\_StarCore.c Line: 121  
EWL\_C/src/sc/exp\_StarCore.c Line: 125  
EWL\_C/src/sc/exp\_StarCore.c Line: 140  
EWL\_C/src/sc/exp\_StarCore.c Line: 144  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 118  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 178  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 209  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 241  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 272  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 377  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 28  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 32  
EWL\_C/src/sc/log10\_StarCore.c Line: 33  
EWL\_C/src/sc/log10\_StarCore.c Line: 38  
EWL\_C/src/sc/log10\_StarCore.c Line: 59  
EWL\_C/src/sc/log10\_StarCore.c Line: 66

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EWL\_C/src/sc/log10\_StarCore.c Line: 76  
EWL\_C/src/sc/log10\_StarCore.c Line: 81  
EWL\_C/src/sc/log\_StarCore.c Line: 32  
EWL\_C/src/sc/log\_StarCore.c Line: 37  
EWL\_C/src/sc/log\_StarCore.c Line: 88  
EWL\_C/src/sc/log\_StarCore.c Line: 93  
EWL\_C/src/sc/log\_StarCore.c Line: 97  
EWL\_C/src/sc/log\_StarCore.c Line: 107  
EWL\_C/src/sc/log\_StarCore.c Line: 111  
EWL\_C/src/sc/math\_StarCore.c Line: 53  
EWL\_C/src/sc/math\_StarCore.c Line: 58  
EWL\_C/src/sc/math\_StarCore.c Line: 62  
EWL\_C/src/sc/math\_StarCore.c Line: 160  
EWL\_C/src/sc/math\_StarCore.c Line: 208  
EWL\_C/src/sc/math\_StarCore.c Line: 227  
EWL\_C/src/sc/math\_StarCore.c Line: 275  
EWL\_C/src/sc/math\_StarCore.c Line: 294  
EWL\_C/src/sc/math\_StarCore.c Line: 343  
EWL\_C/src/sc/pow\_StarCore.c Line: 99  
EWL\_C/src/sc/pow\_StarCore.c Line: 104  
EWL\_C/src/sc/pow\_StarCore.c Line: 108  
EWL\_C/src/sc/pow\_StarCore.c Line: 118  
EWL\_C/src/sc/pow\_StarCore.c Line: 123  
EWL\_C/src/sc/pow\_StarCore.c Line: 152  
EWL\_C/src/sc/pow\_StarCore.c Line: 156  
EWL\_C/src/sc/pow\_StarCore.c Line: 172  
EWL\_C/src/sc/pow\_StarCore.c Line: 176  
EWL\_C/src/sc/pow\_StarCore.c Line: 207  
EWL\_C/src/sc/pow\_StarCore.c Line: 211  
EWL\_C/src/sc/pow\_StarCore.c Line: 221  
EWL\_C/src/sc/pow\_StarCore.c Line: 225  
EWL\_C/src/sc/signal\_StarCore.c Line: 122

EWL\_C/src/sc/signal\_StarCore.c Line: 139  
EWL\_C/src/sc/signal\_StarCore.c Line: 152  
EWL\_C/src/sc/signal\_StarCore.c Line: 214  
EWL\_C/src/sc/sinh\_StarCore.c Line: 60  
EWL\_C/src/sc/sinh\_StarCore.c Line: 64  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 36  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 41  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 45  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 91  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 96  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 100  
EWL\_C/src/sc/time\_StarCore.c Line: 60  
EWL\_C/src/signal.c Line: 33  
EWL\_C/src/strtold.c Line: 767  
EWL\_C/src/strtold.c Line: 772  
EWL\_C/src/strtold.c Line: 974  
EWL\_C/src/strtold.c Line: 999  
EWL\_C/src/strtold.c Line: 1026  
EWL\_C/src/strtoul.c Line: 273  
EWL\_C/src/strtoul.c Line: 307  
EWL\_C/src/strtoul.c Line: 316  
EWL\_C/src/strtoul.c Line: 352  
EWL\_C/src/strtoul.c Line: 538  
EWL\_C/src/strtoul.c Line: 546  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 105

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EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 97  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 135  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 235  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 108  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 125  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 148  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 172  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 177  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 272  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 277  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 282  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 59



EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 103  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 121  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 131  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 149  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 159  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 171  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 204  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 207  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 218  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 221  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 236  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 242  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 257  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 263  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 278  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 284  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 299  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 305  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 320  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 326  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 341

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EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 347  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 362  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 365  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 380  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 386  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 401  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 407  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 421  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 427  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 442  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 448  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 463  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 469  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 484  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 505  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 508  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 519  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 522  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 537  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 543  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 558  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 564  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 578  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 581  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 595  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 601  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 615  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 621  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 632  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 638  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 649  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 655

EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 666  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 672  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 682  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 688  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 698  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 701  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 712  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 715  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 726  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 733  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 744  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 751  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 762  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 769  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 780  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 787  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 798  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 805  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 816  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 823  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 838  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 841  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 856  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 862  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 877  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 371  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 181  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 45  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 50  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 80

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### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 138  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 143  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 39  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 44  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 93  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 51  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:  
188  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:  
192  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 87

EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 107  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 112  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 119  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 124  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 143  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 233  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 238  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 243  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:  
63  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:  
68  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 38  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 43  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 283  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 104  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 52

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EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/s\_ldexpf.c Line: 43  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 83  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 49  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 54  
EWL\_C/src/sun\_math/math\_sun.c Line: 96  
EWL\_C/src/sun\_math/math\_sun.c Line: 123  
EWL\_C/src/sun\_math/math\_sun.c Line: 127  
EWL\_C/src/sun\_math/math\_sun.c Line: 182  
EWL\_C/src/sun\_math/math\_sun.c Line: 186  
EWL\_C/src/sun\_math/math\_sun.c Line: 241  
EWL\_C/src/sun\_math/math\_sun.c Line: 245  
EWL\_C/src/sun\_math/math\_sun.c Line: 303  
EWL\_C/src/sun\_math/math\_sun.c Line: 307  
EWL\_C/src/sun\_math/math\_sun.c Line: 393  
EWL\_C/src/sun\_math/math\_sun.c Line: 397  
EWL\_C/src/sun\_math/math\_sun.c Line: 482  
EWL\_C/src/sun\_math/math\_sun.c Line: 486  
EWL\_C/src/sun\_math/math\_sun.c Line: 569  
EWL\_C/src/sun\_math/math\_sun.c Line: 573  
EWL\_C/src/sun\_math/math\_sun.c Line: 627  
EWL\_C/src/sun\_math/math\_sun.c Line: 631  
EWL\_C/src/sun\_math/math\_sun.c Line: 686  
EWL\_C/src/sun\_math/math\_sun.c Line: 690  
EWL\_C/src/wcstold.c Line: 914  
EWL\_C/src/wcstold.c Line: 939

EWL\_C/src/wcstold.c Line: 964  
EWL\_C/src/wcstoul.c Line: 420  
EWL\_C/src/wcstoul.c Line: 452  
EWL\_C/src/wcstoul.c Line: 487  
EWL\_C/src/wcstoul.c Line: 494  
EWL\_C/src/wcstoul.c Line: 531  
EWL\_C/src/wcstoul.c Line: 538

## MISRA\_EXCEPTION\_RULE\_20\_8

This topic lists the MISRA exception rule for `raise()`.

### MISRA 2004 Rule 20.8: `raise` shall not be used

Used when `raise()` has to be used.

EWL\_C/src/abort\_exit.c Line: 34  
EWL\_C/src/arm/fenv\_arm.c Line: 126  
EWL\_C/src/arm/fenv\_arm.c Line: 137  
EWL\_C/src/arm/fenv\_arm.c Line: 148  
EWL\_C/src/arm/fenv\_arm.c Line: 159  
EWL\_C/src/arm/fenv\_arm.c Line: 170  
EWL\_C/src/arm/float\_exceptions.c Line: 91

## MISRA\_EXCEPTION\_RULE\_20\_9

This topic lists the MISRA exception rule for `<stdio.h>`.

### MISRA 2004 Rule 20.9: `<stdio.h>` shall not be used

Used when `<stdio.h>` has to be included.

EWL\_C/src/arm/assert\_aeabi.c Line: 20  
EWL\_C/src/assert.c Line: 24  
EWL\_C/src/math\_float.c Line: 34  
EWL\_C/src/string.c Line: 53  
EWL\_C/src/strtoul.c Line: 80

EWL\_C/src/time.c Line: 40  
EWL\_C/src/wchar\_io.c Line: 43  
EWL\_C/src/wcstoul.c Line: 88  
EWL\_C/src/wctype.c Line: 41  
EWL\_C/src/wprintf.c Line: 42  
EWL\_C/src/wprintfformat.c Line: 29  
EWL\_C/src/wscanf.c Line: 38  
EWL\_C/src/wstring.c Line: 47  
EWL\_C/src/wtime.c Line: 28

## **MISRA\_EXCEPTION\_RULE\_9\_1**

This topic lists the MISRA exception rule for possible uninitialized symbol.

### **MISRA 2004 Rule 9.1: Possible uninitialized symbol**

Used when the symbol usage is consistent with its initialization

EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 182  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 191  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 204  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 223  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 322  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:108  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:123  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:220

## **MISRA\_EXCEPTION\_STDARG\_MACROS**

This topic lists the MISRA exception rule for `__va_start` macro.

### **macro( (826) , \_\_va\_start) -emacro(923 926 928 970, \_\_va\_start)**

Used to implement `__va_start`



- \* Suspicious pointer-to-pointer conversion
- \* MISRA 2004 Rule 11.3: Cast pointer/non-pointer
- \* MISRA 2004 Rule 11.4: Cast from pointer to pointer
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef
  - EWL\_C/include/ansi\_parms.h Line: 462
  - EWL\_C/include/arm/stdarg.ARM.h Line: 16
  - EWL\_C/include/coldfire/stdarg.cf.h Line: 20

## MISRA\_EXCEPTION\_STDIO\_MACROS

This topic lists the MISRA exception rule for `__getc` and `__putc` macros.

### macro(929 960 970, `__getc`, `__putc`)

Used to implement `__getc` and `__putc` macros.

- \* MISRA 2004 Rule 11.4: Cast from pointer to pointer
- \* MISRA 2004 Rule 10.1: Cast/conversion of complex integer expression
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef
  - EWL\_C/include/ansi\_parms.h Line: 459
  - EWL\_C/include/stdio\_api.h Line: 64

## MISRA\_EXCEPTION\_STD\_TYPE

This topic lists the MISRA exception rule for the use of modifier or type outside of a typedef.

### MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

Used when standard types/qualifiers have to used in headers.

- EWL\_C/include/ansi\_parms.h Line: 455
- EWL\_C/src/wscanf.c Line: 77
- EWL\_C/src/wscanf.c Line: 79

## MISRA\_RESTORE

This topic lists the MISRA exception rule for restore saved options.

## **restore**

Used to restore saved options

EWL\_C/include/ansi\_parms.h Line: 463  
EWL\_C/src/alloc.c Line: 17  
EWL\_C/src/alloc.c Line: 65  
EWL\_C/src/alloc.c Line: 2025  
EWL\_C/src/alloc.c Line: 2505  
EWL\_C/src/alloc.c Line: 2565  
EWL\_C/src/bsearch.c Line: 18  
EWL\_C/src/bsearch.c Line: 26  
EWL\_C/src/buffer\_io.c Line: 124  
EWL\_C/src/coldfire/fenv\_cf.c Line: 36  
EWL\_C/src/mbstring.c Line: 31  
EWL\_C/src/mem.c Line: 23  
EWL\_C/src/mem\_funcs.c Line: 78  
EWL\_C/src/printf.c Line: 37  
EWL\_C/src/qsort.c Line: 58  
EWL\_C/src/qsort.c Line: 103  
EWL\_C/src/scanf.c Line: 25  
EWL\_C/src/scanformat.c Line: 143  
EWL\_C/src/secure\_error.c Line: 11  
EWL\_C/src/string.c Line: 46  
EWL\_C/src/string.c Line: 819  
EWL\_C/src/strtold.c Line: 254  
EWL\_C/src/strtoul.c Line: 106  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 32  
EWL\_C/src/time.c Line: 32  
EWL\_C/src/wcstold.c Line: 226  
EWL\_C/src/wcstoul.c Line: 115  
EWL\_C/src/wmem.c Line: 23  
EWL\_C/src/wprintf.c Line: 31  
EWL\_C/src/wscanf.c Line: 28

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EWL\_C/src/wstring.c Line: 40

## Files

This file lists the MISRA-C:2004 compliance exceptions for the Freescale EWL C library. The exceptions listed cover all EWL C files and targets. However, we have only fully tested the PA and ARM targets for compliance at this point.

MISRA violations were detected using the PC-Lint 9.00d tool and the `lnt/au-misra2.lnt` checker file. To verify these results you can use the makefiles that are used to build a target's library files:

```
make -C ewl/EWL_C -f -f EWL_C.ARM_CORTEXM.mak misra
PLATFORM=ARM_CORTEXM \
LNTDIR="/cygdrive/d/Lint" \
LNTINCL="-iD:/Lint/lnt" \
misra
```

This should list no MISRA violations or other PC-Lint warnings/errors. EWL uses `EXCEPTION_RULE_*` macros to silence violations, e.g.:

```
#define MISRA_EXCEPTION_RULE_20_5() \
/*lint -e{586} MISRA 2004 Rule 20.5: errno shall not be used
*/
```

The exception macros are defined in the header file `EWL_C/include/ewl_misra_types.h`.

## EWL\_C/include/ansi\_parms.h

```
MISRA_EXCEPTION_CMATH_MACROS Line: 458
MISRA_EXCEPTION_FLOAT_CAST Line: 457
MISRA_EXCEPTION_MATHAPISP_MACROS Line: 461
MISRA_EXCEPTION_MATHAPI_MACROS Line: 460
MISRA_EXCEPTION_RULE_19_6 Line: 456
MISRA_EXCEPTION_STDARG_MACROS Line: 462
MISRA_EXCEPTION_STDIO_MACROS Line: 459
MISRA_EXCEPTION_STD_TYPE Line: 455
MISRA_RESTORE Line: 463
```

## **EWL\_C/include/arm/stdarg.ARM.h**

MISRA\_EXCEPTION\_STDARG\_MACROS Line: 16

## **EWL\_C/include/cfloat**

MISRA\_EXCEPTION\_FLOAT\_CAST Line: 99  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 100  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 101  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 155  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 156  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 157  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 211  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 212  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 213

## **EWL\_C/include/cmath**

MISRA\_EXCEPTION\_CMATH\_MACROS Line: 28  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 106  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 122  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 126  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 151  
MISRA\_EXCEPTION\_FLOAT\_CAST Line: 184

## **EWL\_C/include/coldfire/stdarg.cf.h**

MISRA\_EXCEPTION\_STDARG\_MACROS Line: 20

## **EWL\_C/include/math\_api.h**

MISRA\_EXCEPTION\_MATHAPI\_MACROS Line: 26  
MISRA\_EXCEPTION\_MATHAPI\_MACROS Line: 42  
MISRA\_EXCEPTION\_MATHAPI\_MACROS Line: 48

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## **EWL\_C/include/pa/fdlibm\_pa.h**

MISRA\_EXCEPTION\_MATHAPISP\_MACROS Line: 24

## **EWL\_C/include/stdio\_api.h**

MISRA\_EXCEPTION\_STDIO\_MACROS Line: 64

## **EWL\_C/include/sun\_math/fdlibm.h**

MISRA\_EXCEPTION\_FLOAT\_CAST Line: 85

## **EWL\_C/src/abort\_exit.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 95

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 34

## **EWL\_C/src/alloc.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 40

MISRA\_ALLOW\_POINTER\_CASTS Line: 490

MISRA\_ALLOW\_POINTER\_CASTS Line: 653

MISRA\_ALLOW\_POINTER\_CASTS Line: 992

MISRA\_ALLOW\_POINTER\_CASTS Line: 1702

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 327

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 465

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2233

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2235

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2781

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2784

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2788

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2807

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2812

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2849

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2863

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2868  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2885  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2890  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 2988  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 261  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 266  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 311  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 320  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 380  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 422  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 455  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 201  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 466  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 3142  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 2412  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 210  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 245  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 274  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 408  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 467  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2072  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2256  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2267  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2393  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2408  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2434  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2451  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2618  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2750  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2785  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2789  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2808

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2852  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2886  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2969  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2972  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2978  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2983  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 3117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 3125  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 2458  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 2801  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 2880  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 200  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 236  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 259  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 3143  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 14  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 63  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 1973  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 2493  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 2559  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 2077  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 417  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 437  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 462  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 470  
MISRA\_RESTORE Line: 17  
MISRA\_RESTORE Line: 65  
MISRA\_RESTORE Line: 2025  
MISRA\_RESTORE Line: 2505  
MISRA\_RESTORE Line: 2565

## **EWL\_C/src/ansi\_files.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 329  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 360  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 246  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 303

## **EWL\_C/src/arith.c**

MISRA\_EXCEPTION\_RULE\_12\_7b Line: 249  
MISRA\_EXCEPTION\_RULE\_12\_7b Line: 273  
MISRA\_EXCEPTION\_RULE\_12\_7b Line: 296  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 185  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 190  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 206  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 228  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 233  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 259  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 280  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 303

## **EWL\_C/src/arm/arith\_aeabi.c**

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 26

## **EWL\_C/src/arm/assert\_aeabi.c**

MISRA\_EXCEPTION\_RULE\_20\_11 Line: 50  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 20



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## **EWL\_C/src/arm/ctype\_aeabi.c**

MISRA\_EXCEPTION\_RULE\_19\_6 Line: 11

## **EWL\_C/src/arm/errno\_aeabi.c**

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 23

## **EWL\_C/src/arm/fenv\_arm.c**

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 188

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 126

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 137

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 148

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 159

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 170

## **EWL\_C/src/arm/file\_io\_aeabi.c :**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 33

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 37

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 41

MISRA\_EXCEPTION\_RULE\_1\_2c Line: 34

MISRA\_EXCEPTION\_RULE\_1\_2c Line: 38

MISRA\_EXCEPTION\_RULE\_1\_2c Line: 42

## **EWL\_C/src/arm/float\_exceptions.c**

MISRA\_EXCEPTION\_LONG\_NAME Line: 44

MISRA\_EXCEPTION\_LONG\_NAME Line: 154

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 103

MISRA\_EXCEPTION\_RULE\_20\_8 Line: 91

## **EWL\_C/src/arm/localel\_aeabi.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 25

## **EWL\_C/src/arm/math\_ARM.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 47  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 13  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 48

## **EWL\_C/src/assert.c**

MISRA\_EXCEPTION\_RULE\_20\_11 Line: 53  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 24

## **EWL\_C/src/bsearch.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 40  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 49  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 54  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 108  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 28  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 16  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 24  
MISRA\_RESTORE Line: 18  
MISRA\_RESTORE Line: 26

## **EWL\_C/src/buffer\_io.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 130  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 140  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 150  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 204  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 217  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 243

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 318  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 229  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 255  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 260  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 269  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 296  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 306  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 313  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 199  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 207  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 121  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 266  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 302  
MISRA\_RESTORE Line: 124

## **EWL\_C/src/char\_io.c :**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 50  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 105  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 129  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 166  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 219  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 253  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 290  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 325  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 357  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 368  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 436  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 463  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 492  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 520  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 540

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 550  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 192  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 223  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 275  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 185  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 200  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 232  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 269  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 284  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 331  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 337  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 360  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 375  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 390  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 403  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 411  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 423  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 407

## **EWL\_C/src/coldfire/fenv\_cf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 231  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 31  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 154  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 155  
MISRA\_RESTORE Line: 36

## **EWL\_C/src/coldfire/math\_cf.c**

MISRA\_EXCEPTION\_FLOAT\_CAST Line: 48

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## **EWL\_C/src/coldfire/uart\_console\_io\_cf.c :**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 107  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 114  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 120

## **EWL\_C/src/direct\_io.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 66  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 120  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 212  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 229  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 250  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 264  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 272  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 287

## **EWL\_C/src/file\_io.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 178  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 223  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 165  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 183  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 187  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 203  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 209  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 212  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 228  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 233

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 238  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 252  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 271  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 309  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 327  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 335  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 347  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 368  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 376  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 386  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 394  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 406  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 432  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 460  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 468  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 589  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 593  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 597  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 175  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 200  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 344  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 403  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 659

## **EWL\_C/src/file\_pos.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 40  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 171  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 312  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 315  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 180

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 189  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 232  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 29  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 62  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 50  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 104  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 178  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 187  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 230  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 245

## **EWL\_C/src/locale.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 185  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 51  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 88  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 94  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102

## **EWL\_C/src/math\_api.c**

MISRA\_EXCEPTION\_LONG\_NAME Line: 61  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 113  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 121  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 130  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 135  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 138  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 165  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 168  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 178  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 112  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 122

## **EWL\_C/src/math\_double.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 56  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 59  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 93  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 75  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 113  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 122  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 162  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 165  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 241  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 246  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 143  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 255  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 259



MISRA\_EXCEPTION\_RULE\_14\_7 Line: 263  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 55  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 58  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 92  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 119  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 243  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 248

## **EWL\_C/src/math\_float.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 99  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 129  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 64  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 201  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 204  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 208  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 306  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 87  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 243  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 247  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 252  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 308  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 313  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 212  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 218  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 223  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 328

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 331  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 341  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 348  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 354  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 63  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 200  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 203  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 74  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 84  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 157  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 249  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 310  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 315  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 320  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 34

## **EWL\_C/src/math\_fma.c :**

MISRA\_EXCEPTION\_RULE\_10\_2 Line: 65  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 77  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 82  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 88  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 117  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 123  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 131  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 136  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 148  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 152  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 159  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 529  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 534  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 540  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 569

MISRA\_EXCEPTION\_RULE\_10\_2 Line: 575  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 583  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 588  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 40  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 42  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 44  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 312  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 327  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 413  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 424  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 495  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 497  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 499  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 742  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 751  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 795  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 805  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 486  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 489  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 492  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 780  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 811  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 820  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 851  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 63  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 516  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 236  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 685  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 158  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 187  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 204  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 608

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 637  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 653  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 124  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 137  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 149  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 161  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 176  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 192  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 197  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 208  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 220  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 229  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 294  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 394  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 432  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 440  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 518  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 530  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 535  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 541  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 570

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 576  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 584  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 589  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 600  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 603  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 610  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 616  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 619  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 625  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 628  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 641  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 646  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 657  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 662  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 669  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 678  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 728  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 782  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 813  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 822  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 485  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 488  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 491  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 779  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 810  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 819  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 850

## **EWL\_C/src/math\_longdouble.c**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 111  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 173  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 212

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 220  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 51  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 108  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 180  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 195  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 198  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 208  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 217  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 224  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 53  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 58  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 87  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 113  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 117  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 177  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 182  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 187  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 215  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 222

## **EWL\_C/src/mbstring.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 47  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 539  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 580  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 588  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 717  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 761  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 799  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 850  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 122  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 183  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 343  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 348  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 357  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 367  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 372  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 398  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 412  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 426  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 454  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 481  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 499  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 524  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 561  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 567  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 625  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 643  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 667  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 695  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 740  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 780

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 823  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 829  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 864  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 871  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 874  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 238  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 242  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 246  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 250  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 254  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 298  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 306  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 314  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 322  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 330  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 193  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 634  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 649  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 683  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 29  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 622  
MISRA\_RESTORE Line: 31

## **EWL\_C/src/mem.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 201  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 89  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 101  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 193  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 203  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 224



MISRA\_EXCEPTION\_RULE\_14\_7 Line: 236  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 258  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 261  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 275  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 278  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 296  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 304  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 317  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 325  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 21  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 255  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 272  
MISRA\_RESTORE Line: 23

## **EWL\_C/src/mem\_funcs.c :**

MISRA\_ALLOW\_POINTER\_CASTS Line: 56  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 179  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 331  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 504  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 88  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 120  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 124  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 180  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 264  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 332  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 348  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 430  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 440  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 505  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 138  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 72

MISRA\_RESTORE Line: 78

## **EWL\_C/src/misc\_io.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 37  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 46  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 56  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 50  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 60  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 72

## **EWL\_C/src/pa/fenv.ppc.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 122  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 218  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 273  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 222  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 370  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 373  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 728  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 732  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 427  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 482

## **EWL\_C/src/pa/math\_ppc.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 152  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 151

## **EWL\_C/src/printf.c**

MISRA\_EXCEPTION\_RULE\_11\_3 Line: 68  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 87

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 139  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 195  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 309  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 328  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 335  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 357  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 385  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 392  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 445  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 482  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 93  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 125  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 163  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 165  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 185  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 187  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 215  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 255  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 494  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 507  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 520  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 533  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 35  
MISRA\_RESTORE Line: 37

## **EWL\_C/src/printformat.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 48  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1441

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1444  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1465  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1756  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1815  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1647  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1933  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1945  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 2381  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 2429  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1404  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1409  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1414  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1439  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1463  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1494  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1736  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1749  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2033  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2042  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2118  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2126  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2170  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2188  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2213  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2340  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2359  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 2285  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 262  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 363  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 510  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 786  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 874

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 933  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1009  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1085  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1143  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1219  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1290  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1345  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1364  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1551  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1556  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1598  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1605  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1630  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1680  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1701  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1779  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1834  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1935  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1947  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2205  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2226  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2261  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2383  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2387  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2398  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2408  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2412  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2421  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2431  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2439  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2457  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2461

MISRA\_EXCEPTION\_RULE\_15\_2 Line: 604  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 1754  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 1813  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 1894  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 242  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 872  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1007  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1565  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1777  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1941  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2047  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2131  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2174  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2192  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2241  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1954

## **EWL\_C/src/qsort.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 135  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 184  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 201  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 105  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 56  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 64  
MISRA\_RESTORE Line: 58  
MISRA\_RESTORE Line: 103

## **EWL\_C/src/sc/asin\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 103  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 108

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 133  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 105  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 110  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 114  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 130  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 135  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 139

### **EWL\_C/src/sc/assert\_StarCore.c :**

MISRA\_EXCEPTION\_RULE\_20\_11 Line: 12

### **EWL\_C/src/sc/atan2\_StarCore.c :**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 47  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 23  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 28  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 25  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 30  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 34

### **EWL\_C/src/sc/console\_io\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_16\_7 Line: 29  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 80

### **EWL\_C/src/sc/exp\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_4 Line: 150  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 113  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 132  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 119  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 138  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 32

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 37  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 121  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 125  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 140  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 144

## **EWL\_C/src/sc/fenv\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 136  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 155

## **EWL\_C/src/sc/file\_io\_StarCore.c :**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 345  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 99  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 101  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 198  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 227  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 312  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 139  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 301  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 118  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 178  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 209  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 241  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 272  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 377

## **EWL\_C/src/sc/ldexp\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 26  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 28  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 32



## **EWL\_C/src/sc/log10\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 33  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 38  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 59  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 66  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 76  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 81

## **EWL\_C/src/sc/log\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 91  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 32  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 37  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 88  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 93  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 97  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 107  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 111

## **EWL\_C/src/sc/math\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 78  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 110  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 31  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 34  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 119  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 46  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 72

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 115  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 51  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 206  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 273  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 341  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 53  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 58  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 62  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 160  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 208  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 227  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 275  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 294  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 343

## **EWL\_C/src/sc/ mem\_funcs\_cpy\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 99  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 118  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 45  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 88

## **EWL\_C/src/sc/mem\_funcs\_set\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 107

## **EWL\_C/src/sc/modf\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 16

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## **EWL\_C/src/sc/pow\_StarCore.c :**

MISRA\_EXCEPTION\_RULE\_12\_4 Line: 93  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 97  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 116  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 121  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 150  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 205  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 219  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 99  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 104  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 108  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 118  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 123  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 152  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 156  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 172  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 176  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 207  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 211  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 221  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 225

## **EWL\_C/src/sc/signal\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 97  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 116  
MISRA\_EXCEPTION\_RULE\_20\_11 Line: 292  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 122  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 139  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 152  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 214

## **EWL\_C/src/sc/sin\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 141

## **EWL\_C/src/sc/sinh\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 60  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 64

## **EWL\_C/src/sc/sqrt\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 34  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 39  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 36  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 41  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 45  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 91  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 100

## **EWL\_C/src/sc/ thread\_local\_data\_StarCore.c :**

MISRA\_EXCEPTION\_RULE\_20\_4 Line: 118

## **EWL\_C/src/sc/time\_StarCore.c**

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 60

## **EWL\_C/src/scanf.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 83

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 466  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 488  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 51  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 104  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 108  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 122  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 126  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 149  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 174  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 206  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 225  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 232  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 253  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 275  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 289  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 310  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 317  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 329  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 335  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 379  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 388  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 411  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 418

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 438  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 450  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 469  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 484  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 131  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 187  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 265  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 302  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 349  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 351  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 368  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 370  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 495  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 508  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 23  
MISRA\_RESTORE Line: 25

## **EWL\_C/src/scanformat.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 48  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 613  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1227  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1267  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1383  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 930  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 937  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 448  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 614  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 690  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1226  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1266  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1384

MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1440  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 627  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 643  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 693  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 704  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 742  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 750  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 871  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 876  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 912  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 920  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1060  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1065  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1169  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1250  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1275  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1308  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1412  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1531  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 635  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 648  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 655  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1221  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1257  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1298  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1312  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1379  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1419  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1526  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 164  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 188  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1541

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1550  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 1345  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 537  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 1558  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 140  
MISRA\_RESTORE Line: 143

## **EWL\_C/src/secure\_error.c**

MISRA\_EXCEPTION\_RULE\_16\_2 Line: 27  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 9  
MISRA\_EXCEPTION\_RULE\_20\_11 Line: 65  
MISRA\_RESTORE Line: 11

## **EWL\_C/src/signal.c :**

MISRA\_EXCEPTION\_RULE\_11\_3 Line: 35  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 64  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 71  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 36  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 50  
MISRA\_EXCEPTION\_RULE\_20\_11 Line: 79  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 33

## **EWL\_C/src/string.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 60  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 153  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 159



MISRA\_EXCEPTION\_RULE\_10\_1 Line: 222  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 228  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 244  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 250  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 261  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 685  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 895  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 917  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 948  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 970  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 146  
MISRA\_EXCEPTION\_RULE\_11\_3 Line: 424  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1193  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1225  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1268  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 116  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 283  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 299  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 324  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 336  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 356  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 375  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 593  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 609  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 776  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 797  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 831  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 838  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 852  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 859  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 882  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 889

MISRA\_EXCEPTION\_RULE\_13\_1 Line: 903  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 910  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 934  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 941  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 956  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 963  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 997  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1004  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1019  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1039  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1046  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1061  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1102  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1109  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1124  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1144  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1151  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1166  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1194  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1200  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1207  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1226  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1232  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 1239  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 148  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 236  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 426  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 466  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 479  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 488  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 155

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 161  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 246  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 252  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 415  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 432  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 440  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 444  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 497  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 502  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 510  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 514  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 529  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 555  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 572  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 596  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 612  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 681  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 703  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 784  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 805  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 841  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 862  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1013  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1055  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1090  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1160  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1196  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1228  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1243  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1261

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1281  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1288  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1302  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1310  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1316  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1331  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1339  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1346  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1361  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1369  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1377  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1383  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1409  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1429  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 708  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 712  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 735  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 740  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 746  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 896  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 918  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 949  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 971  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1269  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 44  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 816  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1412  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 553  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 570  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 1206  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 1238  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 636

MISRA\_EXCEPTION\_RULE\_20\_4 Line: 638  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 645  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 647  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 686  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 692  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 694  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 697  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 752  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 754  
MISRA\_EXCEPTION\_RULE\_20\_4 Line: 760  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 53  
MISRA\_RESTORE Line: 46  
MISRA\_RESTORE Line: 819

## **EWL\_C/src/strtol.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 728  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 816  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 896  
MISRA\_EXCEPTION\_RULE\_10\_5 Line: 863  
MISRA\_EXCEPTION\_RULE\_10\_5 Line: 889  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 811  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 947  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 965  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 969  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 990  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 994  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 1017  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 1021  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 345  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 370  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 377  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 723

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 852  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 915  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 919  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 923  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 357  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 405  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 740  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 750  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 754  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 757  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 804  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 837  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 902  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 949  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 315  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 256  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 860  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 232  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 767  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 772  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 974  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 999  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 1026  
MISRA\_RESTORE Line: 254

## **EWL\_C/src/strtoul.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 87  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 277  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 356  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 196  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 454  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 303

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 532  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 108  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 273  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 307  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 316  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 352  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 538  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 546  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 80  
MISRA\_RESTORE Line: 106

## **EWL\_C/src/sun\_math/Double\_precision/ e\_acos.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 111  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 139  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 90  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 95  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 100

## **EWL\_C/src/sun\_math/Double\_precision/ e\_acosh.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 55

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 63  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 60  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 65

## **EWL\_C/src/sun\_math/Double\_precision/ e\_asin.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 110  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 119  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 130  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 95  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 100  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 105

## **EWL\_C/src/sun\_math/Double\_precision/ e\_atan2.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 78  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 84  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 71



MISRA\_EXCEPTION\_RULE\_12\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 109  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 126  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 189  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 114  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 120  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 137  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 140  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 143  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 146  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 159  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 162  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 186  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 191  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 194  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 197  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 97  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 102

## **EWL\_C/src/sun\_math/Double\_precision/ e\_atanh.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 62  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 60  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 111  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 114  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 68  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 73  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 77  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 88

## **EWL\_C/src/sun\_math/Double\_precision/ e\_cosh.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 93  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 87  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 92  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 107

## **EWL\_C/src/sun\_math/Double\_precision/ e\_exp.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 190  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 133  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 144  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 139  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 150  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 184  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 193  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 197  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 135  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 146  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 182

## **EWL\_C/src/sun\_math/Double\_precision/ e\_fmod.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 32  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 33  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 155  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 168  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 61  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 66

## **EWL\_C/src/sun\_math/Double\_precision/ e\_hypot.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 130  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 133

## **EWL\_C/src/sun\_math/Double\_precision/ e\_lgamma\_r.c**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 185  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 233  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 275  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 230  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 252  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 256  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 262  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 265  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 271  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 277  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 235  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 239

## **EWL\_C/src/sun\_math/Double\_precision/ e\_log.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 144  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 183  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 154  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 118

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 112  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 157  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 161  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 189  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 192  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 197  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 200  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 108  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 120  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 125  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 130

## **EWL\_C/src/sun\_math/Double\_precision/ e\_log10.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 129  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 126  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 116  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 85  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 90  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 102  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 107  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 112

## **EWL\_C/src/sun\_math/Double\_precision/ e\_pow.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 263  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 327  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 384  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 413  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 416  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 121  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 266  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 373  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 437  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 439  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 115  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 120  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 139  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 146  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 151  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 270  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 275  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 161  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 181  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 216  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 219  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 226  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 229  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 234  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 239

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 258  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 286  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 294  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 298  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 304  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 308  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 387  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 391  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 398  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 402  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 136  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 141  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 148  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 153  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 172  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 177  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 272  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 277  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 282

## **EWL\_C/src/sun\_math/Double\_precision/ e\_rem\_pio2.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 96  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 144  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 152  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 184  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 186  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 194  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 115  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 200

## **EWL\_C/src/sun\_math/Double\_precision/ e\_remainder.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 59  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 64

## **EWL\_C/src/sun\_math/Double\_precision/ e\_sinh.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 90  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 89  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 103

## **EWL\_C/src/sun\_math/Double\_precision/ e\_sqrt.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 169  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 190



MISRA\_EXCEPTION\_RULE\_13\_7 Line: 119  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 124  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 152  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 135  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 143  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 163  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 121  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 131  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 149  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 154  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 159

## **EWL\_C/src/sun\_math/Double\_precision/ fminmaxdim.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 16  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 20  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 26  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 30  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 38  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 42  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 52  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75

## **EWL\_C/src/sun\_math/Double\_precision/ k\_cos.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 85

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96

## **EWL\_C/src/sun\_math/Double\_precision/ k\_rem\_pio2.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 206  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 294  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 356  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 224  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 249  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 268  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 269  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 282  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 191  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 204  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 223  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 322

## **EWL\_C/src/sun\_math/Double\_precision/ k\_sin.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81

## **EWL\_C/src/sun\_math/Double\_precision/ k\_standard.c**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 496  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 501  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 19  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 111  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 117  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 128  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 134

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 147  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 153  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 168  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 171  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 186  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 189  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 204  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 207  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 218  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 221  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 236  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 242  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 257  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 263  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 278  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 284  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 299  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 305  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 320  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 326  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 341  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 347  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 362  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 365  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 380  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 386  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 401  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 407  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 421  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 427  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 442  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 448

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 463  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 469  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 484  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 505  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 508  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 519  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 522  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 537  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 543  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 558  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 564  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 578  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 581  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 595  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 601  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 615  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 621  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 632  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 638  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 649  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 655  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 666  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 672  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 682  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 688  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 698  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 701  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 712  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 715  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 726  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 733  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 744

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 751  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 762  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 769  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 780  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 787  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 798  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 805  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 816  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 823  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 838  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 841  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 856  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 862  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 877  
MISRA\_RESTORE Line: 32

## **EWL\_C/src/sun\_math/Double\_precision/ k\_tan.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 89  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 119  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 91  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 120  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 124  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 136

## **EWL\_C/src/sun\_math/Double\_precision/ s\_asinh.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 52  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75

MISRA\_EXCEPTION\_RULE\_1\_2b Line: 68

## **EWL\_C/src/sun\_math/Double\_precision/ s\_atan.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 104  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 107  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 145

## **EWL\_C/src/sun\_math/Double\_precision/ s\_cbrt.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 54  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61

## **EWL\_C/src/sun\_math/Double\_precision/ s\_ceil.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 46  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 63  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 91  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 97  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 83

## **EWL\_C/src/sun\_math/Double\_precision/ s\_copysign.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 31

## **EWL\_C/src/sun\_math/Double\_precision/ s\_cos.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 112  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 115

## **EWL\_C/src/sun\_math/Double\_precision/ s\_erf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 210  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 221  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 224  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 231  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 239  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 242  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 248  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 251  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 273  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 276  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 298  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 301  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 308  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 316  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 321  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 331

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 335  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 349  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 362  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 365  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 376  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 379  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 270  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 359  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 371

## **EWL\_C/src/sun\_math/Double\_precision/ s\_expm1.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 245  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 251  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 157  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 160  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 172  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 185  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 225  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 231  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 236  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 239  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 247  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 168  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 181

## **EWL\_C/src/sun\_math/Double\_precision/ s\_floor.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 34



MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78

## **EWL\_C/src/sun\_math/Double\_precision/ s\_frexp.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 57  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48

## **EWL\_C/src/sun\_math/Double\_precision/ s\_ilogb.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 43  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 48  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 54  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 45  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 50  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 75  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 80  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 91  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96

## **EWL\_C/src/sun\_math/Double\_precision/ s\_idexp.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 38  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 47  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 31  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 42  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 50  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 60  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73

## **EWL\_C/src/sun\_math/Double\_precision/ s\_log1p.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 173  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 180  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 104  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 126  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 136  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 154  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 157  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 198  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 202  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 208  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 219  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 222

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 128

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 138

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 143

## **EWL\_C/src/sun\_math/Double\_precision/ s\_logb.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 37

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 42

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 52

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 56

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 60

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 39

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 44

## **EWL\_C/src/sun\_math/Double\_precision/ s\_matherr.c**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 27

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 29

MISRA\_EXCEPTION\_RULE\_16\_7 Line: 19

## **EWL\_C/src/sun\_math/Double\_precision/ s\_modf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 48

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 63

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 86

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92

## **EWL\_C/src/sun\_math/Double\_precision/ s\_nextafter.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 85  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 26  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 47  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 51  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96

## **EWL\_C/src/sun\_math/Double\_precision/ s\_rint.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 58  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 67  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 69  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 63  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106

## **EWL\_C/src/sun\_math/Double\_precision/ s\_sin.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 93

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 103  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 110  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113

## **EWL\_C/src/sun\_math/Double\_precision/ s\_tan.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76

## **EWL\_C/src/sun\_math/Double\_precision/ s\_tanh.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75

## **EWL\_C/src/sun\_math/Single\_precision/ e\_acosf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 115  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 129  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 79  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 84

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 89

## **EWL\_C/src/sun\_math/Single\_precision/ e\_acoshf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 60  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 62  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 67

## **EWL\_C/src/sun\_math/Single\_precision/ e\_asinf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 97  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 142  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 145  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 82  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 87  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 92

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## **EWL\_C/src/sun\_math/Single\_precision/ e\_atan2f.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 96  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 109  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 121  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 124  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 137  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 140  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 143  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 151  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 178  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 181  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 80  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 85

## **EWL\_C/src/sun\_math/Single\_precision/ e\_atanhf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 91  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 120  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 101  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 68  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 73  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 77  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 88  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 93

## **EWL\_C/src/sun\_math/Single\_precision/ e\_coshf.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96



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## **EWL\_C/src/sun\_math/Single\_precision/ e\_exp.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 70  
MISRA\_EXCEPTION\_RULE\_10\_4 Line: 113  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 142  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 86  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 97  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 103  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 136  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 88  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 99

## **EWL\_C/src/sun\_math/Single\_precision/ e\_fmod.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 63  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 47  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 48  
MISRA\_EXCEPTION\_RULE\_12\_7b Line: 49  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 50  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 51

## **EWL\_C/src/sun\_math/Single\_precision/ e\_hypotf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 116  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 118  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 121

## **EWL\_C/src/sun\_math/Single\_precision/ e\_lgammaf\_r.c**

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 136  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 186  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 230  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 183  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 126  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 205  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 210  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 216  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 219  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 226  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 233  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 209  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 225  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 232  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 188  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 192

## **EWL\_C/src/sun\_math/Single\_precision/ e\_log10f.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 120  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 116

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 78  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 69  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 74  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 87  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 92  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 97

## **EWL\_C/src/sun\_math/Single\_precision/ e\_logf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 115  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 154  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 125  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 78  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 104  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 112  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 128  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 138  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 142  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 160  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 163

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 168  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_1\_2d Line: 77  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 73  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 86  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 91  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96

## **EWL\_C/src/sun\_math/Single\_precision/ e\_powf.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 70  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 363  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 366  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 92  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 224  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 387  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 389  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 86  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 91  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 110  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 117  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 122  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 231  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 236  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 152  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 176

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 182  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 188  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 191  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 196  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 201  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 220  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 248  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 251  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 263  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 267  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 343  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 347  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 351  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 355  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 107  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 112  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 119  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 124  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 143  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 148  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 233  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 238  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 243

## **EWL\_C/src/sun\_math/Single\_precision/ e\_rem\_pio2f.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 123  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 135  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 148  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 168  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 173

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 177  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 186  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 217  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 219  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 227  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 127  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 129  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 144  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 157  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 201  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 204  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 233

## **EWL\_C/src/sun\_math/Single\_precision/ e\_remainderf.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 83  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 63  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 68

## **EWL\_C/src/sun\_math/Single\_precision/ e\_sinhf.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96

## **EWL\_C/src/sun\_math/Single\_precision/ e\_sqrtf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 98

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 111

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 72

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 77

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 56

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 74

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 79

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 84

## **EWL\_C/src/sun\_math/Single\_precision/ fminmaxdimf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 17

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 21

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 27

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 31

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 37

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 41

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 46

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 50

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 60

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 64

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 93  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 111  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 115

## **EWL\_C/src/sun\_math/Single\_precision/ fmodf.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 36  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 41  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 38  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 43

## **EWL\_C/src/sun\_math/Single\_precision/ k\_cosf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75

## **EWL\_C/src/sun\_math/Single\_precision/ k\_rem\_pio2f.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 109  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 192  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 124  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 180  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 96



MISRA\_EXCEPTION\_RULE\_9\_1 Line: 108  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 123  
MISRA\_EXCEPTION\_RULE\_9\_1 Line: 220

## **EWL\_C/src/sun\_math/Single\_precision/ k\_sinf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70

## **EWL\_C/src/sun\_math/Single\_precision/ k\_tanf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 70  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 114  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 119  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 72  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 105  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 122

## **EWL\_C/src/sun\_math/Single\_precision/ log2f.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 75  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 82  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 87

## **EWL\_C/src/sun\_math/Single\_precision/ s\_asinhf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 56  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 72

## **EWL\_C/src/sun\_math/Single\_precision/ s\_atanf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 108  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 136  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 140

## **EWL\_C/src/sun\_math/Single\_precision/ s\_cbrtf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 73  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77

## **EWL\_C/src/sun\_math/Single\_precision/ s\_ceilf.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 49  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 69  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79

## **EWL\_C/src/sun\_math/Single\_precision/ s\_cofsf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 87  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101

## **EWL\_C/src/sun\_math/Single\_precision/ s\_erff.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 127  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 213  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 130  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 138  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 141  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 148  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 156  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 159  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 165  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 168  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 190  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 193  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 214  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 220  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 228  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 233  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 243

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 247  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 261  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 274  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 277  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 288  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 291  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 187  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 271  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 283

## **EWL\_C/src/sun\_math/Single\_precision/ s\_expm1f.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 67  
MISRA\_EXCEPTION\_RULE\_10\_4 Line: 123  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 169  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 177  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 89  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 102  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 80  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 108  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 134  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 148  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 154  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 159  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 162  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 173  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 91  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 104

## **EWL\_C/src/sun\_math/Single\_precision/ s\_floorf.c**

MISRA\_EXCEPTION\_RULE\_12\_7 Line: 47  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 81  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84

## **EWL\_C/src/sun\_math/Single\_precision/ s\_frexp.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 52

## **EWL\_C/src/sun\_math/Single\_precision/ s\_ilogbf.c**

MISRA\_EXCEPTION\_RULE\_12\_7a Line: 61  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 50  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 95  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 100  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 106  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 52  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 57  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 81  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 86  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 97  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 102

## **EWL\_C/src/sun\_math/Single\_precision/ s\_idexpf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 39

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 43

## **EWL\_C/src/sun\_math/Single\_precision/ s\_log1pf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 129

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 137

MISRA\_EXCEPTION\_RULE\_13\_3 Line: 57

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 81

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 92

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 97

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 88

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 103

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 110

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 113

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 122

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 155

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 159

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 165

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 168

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 176

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179

MISRA\_EXCEPTION\_RULE\_1\_2d Line: 87

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 83

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 94

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 99

## **EWL\_C/src/sun\_math/Single\_precision/ s\_logbf.c**

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 47

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 52  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 70  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 49  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 54

## **EWL\_C/src/sun\_math/Single\_precision/ s\_modff.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 48  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75

## **EWL\_C/src/sun\_math/Single\_precision/ s\_nextafterf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 82  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 32  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 51  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 85  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 92

## **EWL\_C/src/sun\_math/Single\_precision/ s\_rintf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 54  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 56  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 84

MISRA\_EXCEPTION\_RULE\_12\_7a Line: 42  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 94

## **EWL\_C/src/sun\_math/Single\_precision/ s\_scalbnf.c**

MISRA\_EXCEPTION\_RULE\_12\_7a Line: 41  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 54  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 61  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 71  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 77  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 82  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 85

## **EWL\_C/src/sun\_math/Single\_precision/ s\_sinf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 49  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 65  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 76  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 79  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 87  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 101



## **EWL\_C/src/sun\_math/Single\_precision/ s\_tanf.c**

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 59  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 53  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 60

## **EWL\_C/src/sun\_math/Single\_precision/ s\_tanhf.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 55  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 66

## **EWL\_C/src/sun\_math/ansi\_fp.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 138  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 143  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 658  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 692  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 696  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 706  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 708  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 767  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 797  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 938  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 972  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1256  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 250  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 300  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 311  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 351  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 729  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 966

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 986  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 136  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 141  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 820  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 1000  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 1046  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 1235  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1024  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 489  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 1191  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 1413  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 1441  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 679  
MISRA\_EXCEPTION\_RULE\_13\_3 Line: 979  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1155  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 322  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 361  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 368  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 674  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1006  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1017  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 206  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 1036  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 163  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 175  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 182  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 224  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 230  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 328  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 357  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 373

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 400  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 404  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 408  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 412  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 416  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 420  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 424  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 428  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 432  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 436  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 440  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 445  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 449  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 453  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 458  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 462  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 466  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 470  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 474  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 478  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 482  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 513  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 516  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 521  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 524  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 536  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 545  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 549  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 564  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 567  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 571  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 583

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 587  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 594  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 599  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 603  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 606  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 623  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 745  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 754  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 781  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 806  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 812  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 815  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 924  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 953  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1059  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1125  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1132  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1308  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1313  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1319  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1322  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1402  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1405  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 385  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 172  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 255  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 309  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 315  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 319  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 644  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 647  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 665

MISRA\_EXCEPTION\_RULE\_17\_3 Line: 704  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 711  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 721  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 728  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 936  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 960  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 965  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 135  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 821  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1001  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1047

## **EWL\_C/src/sun\_math/math\_sun.c**

MISRA\_EXCEPTION\_RULE\_12\_7a Line: 347  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 437  
MISRA\_EXCEPTION\_RULE\_12\_7a Line: 526  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 94  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 121  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 180  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 239  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 301  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 391  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 480  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 567  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 625  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 684  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 114  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 130  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 173  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 189  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 232  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 248

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 294  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 310  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 384  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 400  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 473  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 489  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 560  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 576  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 618  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 634  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 677  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 693  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 733  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 787  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 842  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1002  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1030  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1057  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1107  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1110  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1134  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1137  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1162  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1165  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 96  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 123  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 127  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 182  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 186  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 241  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 245  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 303

MISRA\_EXCEPTION\_RULE\_20\_5 Line: 307  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 393  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 397  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 482  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 486  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 569  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 573  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 627  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 631  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 686  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 690

## **EWL\_C/src/sys/uart\_console\_io.c :**

MISRA\_EXCEPTION\_RULE\_14\_5 Line: 101  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 107  
MISRA\_EXCEPTION\_RULE\_14\_6 Line: 113  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 75  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 147  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 153  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 57  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 127

## **EWL\_C/src/time.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 782  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 399  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 104  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 827  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 179  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 256  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 342  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 422  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 430

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 468  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 541  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 558  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 566  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 583  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 591  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 612  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 620  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 636  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 644  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 665  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 693  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 809  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 838  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 852  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1124  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1135  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 654  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 791  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 78  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 828  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 30  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 339  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 485  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 739  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 747  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 772  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 783  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 818  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 903  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 917  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 978



MISRA\_EXCEPTION\_RULE\_20\_12 Line: 989  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1003  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1037  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1047  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1072  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1080  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1082  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 1084  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 40  
MISRA\_RESTORE Line: 32

## **EWL\_C/src/wchar\_io.c**

MISRA\_EXCEPTION\_RULE\_11\_4 Line: 66  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 88  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 136  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 157  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 169  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 264  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 393  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 418  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 390  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 62  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 68  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 84  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 91  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 162  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 166  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 204  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 210  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 269  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 274

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 317  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 373  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 378  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 424  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 43

## **EWL\_C/src/wcstold.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 122  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 347  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 352  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 377  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 387  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 402  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 412  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 443  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 453  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 463  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 480  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 490  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 524  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 536  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 616  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 635  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 645  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 856  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 861  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 866  
MISRA\_EXCEPTION\_RULE\_10\_2 Line: 727  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 709  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 768  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 835  
MISRA\_EXCEPTION\_RULE\_10\_5 Line: 802

MISRA\_EXCEPTION\_RULE\_10\_5 Line: 828  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 314  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 339  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 346  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 704  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 791  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 854  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 859  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 864  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 326  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 367  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 724  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 729  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 732  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 758  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 841  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 891  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 284  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 229  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 799  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 202  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 914  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 939  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 964  
MISRA\_RESTORE Line: 226

## **EWL\_C/src/wcstoul.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 96  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 155  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 159  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 170  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 181

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 203  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 221  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 298  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 302  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 313  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 324  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 346  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 353  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 365  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 424  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 456  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 213  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 357  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 482  
MISRA\_EXCEPTION\_RULE\_12\_7 Line: 526  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 117  
MISRA\_EXCEPTION\_RULE\_19\_7 Line: 107  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 420  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 452  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 487  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 494  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 531  
MISRA\_EXCEPTION\_RULE\_20\_5 Line: 538  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 88  
MISRA\_RESTORE Line: 115

## **EWL\_C/src/wctrans.c**

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 45  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 48  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 59

## **EWL\_C/src/wctype.c :**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 189  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 258  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 290  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 294  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 298  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 302  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 306  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 310  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 314  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 318  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 322  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 326  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 330  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 41

## **EWL\_C/src/wmem.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 114  
MISRA\_EXCEPTION\_RULE\_11\_4 Line: 98  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 43  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 50  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 67  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 74  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 99  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 21  
MISRA\_RESTORE Line: 23

## **EWL\_C/src/wprintf.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 58  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1122  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1125  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 253

MISRA\_EXCEPTION\_RULE\_10\_3 Line: 280  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 567  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 685  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1232  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1513  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1525  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1824  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1870  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1085  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1089  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1093  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1120  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1143  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1168  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1320  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1334  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1578  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1587  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1640  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1649  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1680  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1698  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1763  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 1798  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 190  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 262  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 530  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 604  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 647  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 721  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 795  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 835

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 893  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 967  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 996  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1020  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1045  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1216  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1266  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1289  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1363  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1417  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1515  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1527  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1715  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1740  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1774  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1826  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1830  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1841  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1850  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1854  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1863  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1872  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1880  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1940  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1969  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1974  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2027  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2067  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2072  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2127  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2142  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2146

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2181  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2207  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2211  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2340  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2361  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 434  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1934  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1961  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 2019  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 2058  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 2251  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 2263  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 2275  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 1475  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 602  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 719  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1361  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1521  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1596  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1659  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1684  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1702  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1730  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1755  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 29  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 980  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 983  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 989  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 992  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1004  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1007



MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1013  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1016  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1029  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1032  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1038  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1041  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1250  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1253  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1259  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1262  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1273  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1276  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1282  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1285  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1534  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1780  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 42  
MISRA\_RESTORE Line: 31

## **EWL\_C/src/wprintformat.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 47  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 624  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 633  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 638  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1273  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1278  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1302  
MISRA\_EXCEPTION\_RULE\_10\_1 Line: 1707  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 1844  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1501  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1835  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 1849

MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1227  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1232  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1237  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1270  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1299  
MISRA\_EXCEPTION\_RULE\_13\_7 Line: 1333  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1616  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1632  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1921  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1931  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 1991  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2001  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2029  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2049  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 2131  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 2167  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 191  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 274  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 577  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 670  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 720  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 808  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 890  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 933  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 999  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1082  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1122  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1154  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1186  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1386  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1392  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1447

MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1455  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1484  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1545  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1577  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1663  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1729  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1838  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1852  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2066  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2101  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2145  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2202  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2206  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2220  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2232  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2237  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2248  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2259  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 2271  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 463  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 1706  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 1798  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 171  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 667  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 805  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1402  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1660  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1845  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 1936  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2006  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2032  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2052

MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2086  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 2121  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1099  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1104  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1113  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1118  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1131  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1136  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1145  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1150  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1163  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1168  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1177  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1182  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1522  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1527  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1536  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1541  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1554  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1559  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1568  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 1573  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 1858  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 29

## **EWL\_C/src/wscanf.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 46  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 146  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 591  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 306  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 368  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 413

MISRA\_EXCEPTION\_RULE\_12\_4 Line: 719  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 756  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 824  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 886  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 389  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 416  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 426  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 456  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 467  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 535  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 540  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 574  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 584  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 665  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 670  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 729  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 740  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 763  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 782  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 841  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 861  
MISRA\_EXCEPTION\_RULE\_14\_4 Line: 933  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 381  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 394  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 401  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 714  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 747  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 772  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 786  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 819  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 848  
MISRA\_EXCEPTION\_RULE\_14\_5 Line: 868

MISRA\_EXCEPTION\_RULE\_14\_5 Line: 927  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 133  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 154  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 942  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 957  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 960  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 964  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 967  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 971  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 987  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 991  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1001  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1005  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1009  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1058  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1093  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1097  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1142  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1170  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1174  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1216  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1231  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1235  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1270  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1274  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1296  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1300  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1341  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 1356  
MISRA\_EXCEPTION\_RULE\_15\_2 Line: 803  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1040  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1074

MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1132  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1158  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1388  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 1400  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 331  
MISRA\_EXCEPTION\_RULE\_16\_7 Line: 948  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 99  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 26  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 497  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 615  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 679  
MISRA\_EXCEPTION\_RULE\_1\_2c Line: 910  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 38  
MISRA\_EXCEPTION\_STD\_TYPE Line: 77  
MISRA\_EXCEPTION\_STD\_TYPE Line: 79  
MISRA\_RESTORE Line: 28

## **EWL\_C/src/wstring.c**

MISRA\_ALLOW\_POINTER\_CASTS Line: 53  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 682  
MISRA\_EXCEPTION\_RULE\_10\_3 Line: 695  
MISRA\_EXCEPTION\_RULE\_12\_4 Line: 97  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 113  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 121  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 165  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 182  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 242  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 253  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 308  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 327  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 475  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 490

MISRA\_EXCEPTION\_RULE\_13\_1 Line: 531  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 552  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 577  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 590  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 611  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 623  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 644  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 656  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 676  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 689  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 729  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 744  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 762  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 777  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 812  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 818  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 842  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 848  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 855  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 90  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 137  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 145  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 206  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 215  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 221  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 270  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 279  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 286  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 352  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 361  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 370  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 376



MISRA\_EXCEPTION\_RULE\_14\_7 Line: 400  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 414  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 437  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 454  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 478  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 493  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 539  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 560  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 580  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 593  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 614  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 626  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 721  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 738  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 771  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 814  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 828  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 844  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 860  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 98  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 650  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 662  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 683  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 696  
MISRA\_EXCEPTION\_RULE\_19\_6 Line: 38  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 149  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 213  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 225  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 290  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 368  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 380  
MISRA\_EXCEPTION\_RULE\_1\_2a Line: 512

MISRA\_EXCEPTION\_RULE\_1\_2b Line: 397  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 411  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 435  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 452  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 824  
MISRA\_EXCEPTION\_RULE\_1\_2b Line: 856  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 47  
MISRA\_RESTORE Line: 40

## **EWL\_C/src/wtime.c**

MISRA\_EXCEPTION\_RULE\_10\_1 Line: 356  
MISRA\_EXCEPTION\_RULE\_13\_1 Line: 103  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 45  
MISRA\_EXCEPTION\_RULE\_14\_7 Line: 58  
MISRA\_EXCEPTION\_RULE\_16\_1 Line: 36  
MISRA\_EXCEPTION\_RULE\_16\_2 Line: 59  
MISRA\_EXCEPTION\_RULE\_17\_3 Line: 119  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 93  
MISRA\_EXCEPTION\_RULE\_20\_12 Line: 357  
MISRA\_EXCEPTION\_RULE\_20\_9 Line: 28

# Power Architecture

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This chapter contains these topics for Power Architecture.

- [Inline Assembly](#)
- [General Exceptions](#)

## Inline Assembly

Inline assembly is altogether ignored when checking for MISRA-C:2004 compliancy.

## General Exceptions

This section lists the MISRA-C:2004 compliance exceptions for the Freescale EWL C library. The exceptions listed cover all EWL C files and targets. However, the PA and ARM targets have been fully tested for compliance at this point.

MISRA violations were detected using the PC-Lint 9.00d tool and the `lint/au-misra2.lnt` checker file. To verify these results you can use the makefiles that are used to build a target's library files:

```
make -C ewl/EWL_C -f -f EWL_C.PA.mak misra PLATFORM=PA \  
LNTDIR="/cygdrive/d/Lint" \  
LNTINCL="-iD:/Lint/lnt" \  
misra
```

This should list no MISRA violations or other PC-Lint warnings/errors.

EWL uses `EXCEPTION_RULE_*()` macros to silence violations, e.g:

```
#define MISRA_EXCEPTION_RULE_20_5() \  
/*lint -e{586} MISRA 2004 Rule 20.5: errno shall not be used  
*/
```

The exception macros are defined in the header file `EWL_C/include/ewl_misra_types.h`.

## **MISRA\_ALLOW\_POINTER\_CASTS**

This topic lists the MISRA rule for pointer casts.

### **MISRA 2004 Rule 11.4: Cast from pointer to pointer/void**

Used to globally disable pointer casting related messages in some source files.

```
EWL_C/src/alloc.c Line: 40
EWL_C/src/alloc.c Line: 490
EWL_C/src/alloc.c Line: 653
EWL_C/src/alloc.c Line: 992
EWL_C/src/alloc.c Line: 1702
EWL_C/src/mbstring.c Line: 47
EWL_C/src/mem_funcs.c Line: 56
EWL_C/src/printformat.c Line: 48
EWL_C/src/scanformat.c Line: 48
EWL_C/src/string.c Line: 60
EWL_C/src/strtoul.c Line: 87
EWL_C/src/wcstold.c Line: 122
EWL_C/src/wcstoul.c Line: 96
EWL_C/src/wprintf.c Line: 58
EWL_C/src/wprintfformat.c Line: 47
EWL_C/src/wscanf.c Line: 46
EWL_C/src/wstring.c Line: 53
```

## **MISRA\_EXCEPTION\_CMATH\_MACROS**

This topic lists the MISRA rule for cmath macro.

### **macro (506 970, signbit, fpclassify)**

Used to implement signbit and fpclassify macros.

- \* MISRA 2004 Rules 13.7 and 14.1: Constant value Boolean
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

```
EWL_C/include/ansi_parms.h Line: 458
```

EWL\_C/include/cmath Line: 28

## MISRA\_EXCEPTION\_FLOAT\_CAST

Exceptions to allow bit pattern -> floating point casts

Used to generate floating point values from bit patterns.

\* MISRA 2004 Rule 1.2: unusual pointer casts

\* unusual pointer cast

\* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

EWL\_C/include/ansi\_parms.h Line: 457

EWL\_C/include/cfloat Line: 99

EWL\_C/include/cfloat Line: 100

EWL\_C/include/cfloat Line: 101

EWL\_C/include/cfloat Line: 155

EWL\_C/include/cfloat Line: 156

EWL\_C/include/cfloat Line: 157

EWL\_C/include/cfloat Line: 211

EWL\_C/include/cfloat Line: 212

EWL\_C/include/cfloat Line: 213

EWL\_C/include/cmath Line: 106

EWL\_C/include/cmath Line: 122

EWL\_C/include/cmath Line: 126

EWL\_C/include/cmath Line: 151

EWL\_C/include/cmath Line: 184

EWL\_C/include/sun\_math/fdlibm.h Line: 85

EWL\_C/src/coldfire/math\_cf.c Line: 48

## MISRA\_EXCEPTION\_LONG\_NAME

This topic lists the MISRA rule for long internal name.

### MISRA 2004 Rule 1.2, 1.4 and 5.1: Allow long internal name

Used to allow long file names, e.g., "\_\_ewl\_generic\_count\_leading\_zero32".

EWL\_C/src/arm/float\_exceptions.c Line: 44  
EWL\_C/src/arm/float\_exceptions.c Line: 154  
EWL\_C/src/math\_api.c Line: 61

## **MISRA\_EXCEPTION\_MATHAPISP\_MACROS**

This topic lists the MISRA rule to access floats as words.

### **macro (929, GET\_FLOAT\_WORD, GET\_FLOAT\_UWORD, SET\_FLOAT\_WORD, SET\_FLOAT\_UWORD)**

Used to implement GET\_FLOAT\_WORD, GET\_FLOAT\_UWORD, SET\_FLOAT\_WORD, SET\_FLOAT\_UWORD macros (to access floats as words).

\* MISRA 2004 Rule 11.4: Cast from pointer to pointer

EWL\_C/include/ansi\_parms.h Line: 461  
EWL\_C/include/pa/fdlibm\_pa.h Line: 24

## **MISRA\_EXCEPTION\_MATHAPI\_MACROS**

This topic lists the MISRA rule to access double hi/lo words.

### **macro (929, \_\_HI, \_\_UHI, \_\_LO, \_\_ULO)**

Used to implement \_\_HI, \_\_UHI, \_\_LO, \_\_ULO macros (to access double hi/lo words).

\* MISRA 2004 Rule 11.4: Cast from pointer to pointer

EWL\_C/include/ansi\_parms.h Line: 460  
EWL\_C/include/math\_api.h Line: 26  
EWL\_C/include/math\_api.h Line: 42  
EWL\_C/include/math\_api.h Line: 48

## **MISRA\_EXCEPTION\_RULE\_10\_1**

This topic lists the MISRA rule for converting expressions.

## MISRA 2004 Rule 10.1: converting expressions

Used to allow implicit and explicit arithmetic conversions.

EWL\_C/src/alloc.c Line: 327  
EWL\_C/src/alloc.c Line: 465  
EWL\_C/src/alloc.c Line: 2233  
EWL\_C/src/alloc.c Line: 2235  
EWL\_C/src/alloc.c Line: 2781  
EWL\_C/src/alloc.c Line: 2784  
EWL\_C/src/alloc.c Line: 2788  
EWL\_C/src/alloc.c Line: 2807  
EWL\_C/src/alloc.c Line: 2812  
EWL\_C/src/alloc.c Line: 2849  
EWL\_C/src/alloc.c Line: 2863  
EWL\_C/src/alloc.c Line: 2868  
EWL\_C/src/alloc.c Line: 2885  
EWL\_C/src/alloc.c Line: 2890  
EWL\_C/src/alloc.c Line: 2988  
EWL\_C/src/locale.c Line: 185  
EWL\_C/src/printf.c Line: 1441  
EWL\_C/src/printf.c Line: 1444  
EWL\_C/src/printf.c Line: 1465  
EWL\_C/src/printf.c Line: 1756  
EWL\_C/src/printf.c Line: 1815  
EWL\_C/src/scanf.c Line: 613  
EWL\_C/src/scanf.c Line: 1227  
EWL\_C/src/scanf.c Line: 1267  
EWL\_C/src/scanf.c Line: 1383  
EWL\_C/src/string.c Line: 153  
EWL\_C/src/string.c Line: 159  
EWL\_C/src/string.c Line: 222  
EWL\_C/src/string.c Line: 228  
EWL\_C/src/string.c Line: 244

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### General Exceptions

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EWL\_C/src/string.c Line: 250  
EWL\_C/src/string.c Line: 261  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 46  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 49  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 138  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 143  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 658  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 692  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 696  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 706  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 708  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 767  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 797  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 938  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 972  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1256  
EWL\_C/src/time.c Line: 782  
EWL\_C/src/wcstold.c Line: 347  
EWL\_C/src/wcstold.c Line: 352  
EWL\_C/src/wcstold.c Line: 377  
EWL\_C/src/wcstold.c Line: 387  
EWL\_C/src/wcstold.c Line: 402  
EWL\_C/src/wcstold.c Line: 412  
EWL\_C/src/wcstold.c Line: 443  
EWL\_C/src/wcstold.c Line: 453  
EWL\_C/src/wcstold.c Line: 463  
EWL\_C/src/wcstold.c Line: 480  
EWL\_C/src/wcstold.c Line: 490  
EWL\_C/src/wcstold.c Line: 524  
EWL\_C/src/wcstold.c Line: 536  
EWL\_C/src/wcstold.c Line: 616



EWL\_C/src/wcstold.c Line: 635  
EWL\_C/src/wcstold.c Line: 645  
EWL\_C/src/wcstold.c Line: 856  
EWL\_C/src/wcstold.c Line: 861  
EWL\_C/src/wcstold.c Line: 866  
EWL\_C/src/wcstoul.c Line: 155  
EWL\_C/src/wcstoul.c Line: 159  
EWL\_C/src/wcstoul.c Line: 170  
EWL\_C/src/wcstoul.c Line: 181  
EWL\_C/src/wcstoul.c Line: 203  
EWL\_C/src/wcstoul.c Line: 221  
EWL\_C/src/wcstoul.c Line: 298  
EWL\_C/src/wcstoul.c Line: 302  
EWL\_C/src/wcstoul.c Line: 313  
EWL\_C/src/wcstoul.c Line: 324  
EWL\_C/src/wcstoul.c Line: 346  
EWL\_C/src/wcstoul.c Line: 353  
EWL\_C/src/wcstoul.c Line: 365  
EWL\_C/src/wctype.c Line: 189  
EWL\_C/src/wctype.c Line: 258  
EWL\_C/src/wmem.c Line: 114  
EWL\_C/src/wprintf.c Line: 1122  
EWL\_C/src/wprintf.c Line: 1125  
EWL\_C/src/wprintfformat.c Line: 624  
EWL\_C/src/wprintfformat.c Line: 633  
EWL\_C/src/wprintfformat.c Line: 638  
EWL\_C/src/wprintfformat.c Line: 1273  
EWL\_C/src/wprintfformat.c Line: 1278  
EWL\_C/src/wprintfformat.c Line: 1302  
EWL\_C/src/wprintfformat.c Line: 1707  
EWL\_C/src/wtime.c Line: 356

## **MISRA\_EXCEPTION\_RULE\_10\_2**

This topic lists the MISRA rule for complex returns.

### **MISRA 2004 Rule 10.2: Complex returns**

Used to allow conversions in return statements, e.g., "return NAN;".

```
EWL_C/src/math_fma.c Line: 65
EWL_C/src/math_fma.c Line: 77
EWL_C/src/math_fma.c Line: 82
EWL_C/src/math_fma.c Line: 88
EWL_C/src/math_fma.c Line: 117
EWL_C/src/math_fma.c Line: 123
EWL_C/src/math_fma.c Line: 131
EWL_C/src/math_fma.c Line: 136
EWL_C/src/math_fma.c Line: 148
EWL_C/src/math_fma.c Line: 152
EWL_C/src/math_fma.c Line: 159
EWL_C/src/math_fma.c Line: 529
EWL_C/src/math_fma.c Line: 534
EWL_C/src/math_fma.c Line: 540
EWL_C/src/math_fma.c Line: 569
EWL_C/src/math_fma.c Line: 575
EWL_C/src/math_fma.c Line: 583
EWL_C/src/math_fma.c Line: 588
EWL_C/src/wcstold.c Line: 727
```

## **MISRA\_EXCEPTION\_RULE\_10\_3**

This topic lists the MISRA rule for the cast of expressions.

### **MISRA 2004 Rule 10.3: Cast of expressions**

Used to allow casting of expressions, e.g., "(int32\_t)(x\_i & 0x7F800000UL);".

```
EWL_C/src/math_float.c Line: 99
EWL_C/src/math_float.c Line: 129
```

EWL\_C/src/math\_fma.c Line: 40  
EWL\_C/src/math\_fma.c Line: 42  
EWL\_C/src/math\_fma.c Line: 44  
EWL\_C/src/math\_fma.c Line: 312  
EWL\_C/src/math\_fma.c Line: 327  
EWL\_C/src/math\_fma.c Line: 413  
EWL\_C/src/math\_fma.c Line: 424  
EWL\_C/src/math\_fma.c Line: 495  
EWL\_C/src/math\_fma.c Line: 497  
EWL\_C/src/math\_fma.c Line: 499  
EWL\_C/src/math\_fma.c Line: 742  
EWL\_C/src/math\_fma.c Line: 751  
EWL\_C/src/math\_fma.c Line: 795  
EWL\_C/src/math\_fma.c Line: 805  
EWL\_C/src/mem.c Line: 201  
EWL\_C/src/mem\_funcs.c Line: 179  
EWL\_C/src/mem\_funcs.c Line: 331  
EWL\_C/src/mem\_funcs.c Line: 504  
EWL\_C/src/sc/fenv\_StarCore.c Line: 136  
EWL\_C/src/sc/fenv\_StarCore.c Line: 155  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 345  
EWL\_C/src/sc/math\_StarCore.c Line: 78  
EWL\_C/src/sc/math\_StarCore.c Line: 110  
EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 99  
EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 118  
EWL\_C/src/sc/mem\_funcs\_set\_StarCore.c Line: 107  
EWL\_C/src/sc/signal\_StarCore.c Line: 97  
EWL\_C/src/scanformat.c Line: 930  
EWL\_C/src/scanformat.c Line: 937  
EWL\_C/src/string.c Line: 685  
EWL\_C/src/string.c Line: 895  
EWL\_C/src/string.c Line: 917

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EWL\_C/src/string.c Line: 948  
EWL\_C/src/string.c Line: 970  
EWL\_C/src/strtold.c Line: 728  
EWL\_C/src/strtold.c Line: 816  
EWL\_C/src/strtold.c Line: 896  
EWL\_C/src/strtoul.c Line: 277  
EWL\_C/src/strtoul.c Line: 356  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 32  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 129  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 263  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 327  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 384  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 413  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 416  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 169  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 206  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 294  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 356  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_frexp.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 38  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 47  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 173  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 180  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 67  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 69

EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_tanf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 63  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 120  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 363  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 366  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:  
109  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:192  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 127  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 213  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/s\_frexp.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 129  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 137  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:82  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 54  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 59  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 250  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 300  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 311  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 351  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 729  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 966  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 986  
EWL\_C/src/time.c Line: 399  
EWL\_C/src/wcstold.c Line: 709

EWL\_C/src/wcstold.c Line: 768  
EWL\_C/src/wcstold.c Line: 835  
EWL\_C/src/wcstoul.c Line: 424  
EWL\_C/src/wcstoul.c Line: 456  
EWL\_C/src/wprintf.c Line: 253  
EWL\_C/src/wprintf.c Line: 280  
EWL\_C/src/wprintf.c Line: 567  
EWL\_C/src/wprintf.c Line: 685  
EWL\_C/src/wprintfformat.c Line: 1844  
EWL\_C/src/wscanf.c Line: 146  
EWL\_C/src/wscanf.c Line: 591  
EWL\_C/src/wstring.c Line: 682  
EWL\_C/src/wstring.c Line: 695

## **MISRA\_EXCEPTION\_RULE\_10\_4**

This topic lists the MISRA rule for the cast of floating point.

### **MISRA 2004 Rule 10.4: cast of floating point**

Used to allow casting of floating point expressions.

EWL\_C/src/sc/exp\_StarCore.c Line: 150  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 123

## **MISRA\_EXCEPTION\_RULE\_10\_5**

This topic lists the MISRA rule for the shifting of signed expressions.

### **MISRA 2004 Rule 10.5: Shift left of signed quantity**

Used to allow shifting of signed expressions, e.g., "a << 1".

EWL\_C/src/strtold.c Line: 863  
EWL\_C/src/strtold.c Line: 889  
EWL\_C/src/wcstold.c Line: 802

EWL\_C/src/wcstold.c Line: 828

## MISRA\_EXCEPTION\_RULE\_11\_3

This topic lists the MISRA rule for the pointer alignment computations.

### MISRA 2004 Rule 11.3: Cast pointer/non-pointer

Used in pointer alignment computations, e.g., "`((uint32_t)ptr & 3UL)`."

EWL\_C/src/alloc.c Line: 261

EWL\_C/src/alloc.c Line: 266

EWL\_C/src/alloc.c Line: 311

EWL\_C/src/alloc.c Line: 320

EWL\_C/src/alloc.c Line: 380

EWL\_C/src/alloc.c Line: 422

EWL\_C/src/alloc.c Line: 455

EWL\_C/src/mem.c Line: 89

EWL\_C/src/mem.c Line: 101

EWL\_C/src/mem\_funcs.c Line: 88

EWL\_C/src/mem\_funcs.c Line: 120

EWL\_C/src/mem\_funcs.c Line: 124

EWL\_C/src/mem\_funcs.c Line: 180

EWL\_C/src/mem\_funcs.c Line: 264

EWL\_C/src/mem\_funcs.c Line: 332

EWL\_C/src/mem\_funcs.c Line: 348

EWL\_C/src/mem\_funcs.c Line: 430

EWL\_C/src/mem\_funcs.c Line: 440

EWL\_C/src/mem\_funcs.c Line: 505

EWL\_C/src/printf.c Line: 68

EWL\_C/src/printf.c Line: 87

EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 45

EWL\_C/src/sc/mem\_funcs\_cpy\_StarCore.c Line: 88

EWL\_C/src/sc/signal\_StarCore.c Line: 116

EWL\_C/src/signal.c Line: 35

EWL\_C/src/signal.c Line: 64  
EWL\_C/src/signal.c Line: 71  
EWL\_C/src/string.c Line: 146  
EWL\_C/src/string.c Line: 424

## **MISRA\_EXCEPTION\_RULE\_11\_4**

This topic lists the MISRA rule for casting from pointer to pointer.

### **MISRA 2004 Rule 11.4: cast from pointer to pointer**

Used for opaque data structure accessing or floating point bit pattern manipulations, e.g., "(struct\_FILE \*)\_file".

EWL\_C/src/ansi\_files.c Line: 329  
EWL\_C/src/ansi\_files.c Line: 360  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 33  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 37  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 41  
EWL\_C/src/arm/locale1\_aeabi.c Line: 25  
EWL\_C/src/arm/math\_ARM.c Line: 47  
EWL\_C/src/buffer\_io.c Line: 130  
EWL\_C/src/buffer\_io.c Line: 140  
EWL\_C/src/buffer\_io.c Line: 150  
EWL\_C/src/buffer\_io.c Line: 204  
EWL\_C/src/buffer\_io.c Line: 217  
EWL\_C/src/buffer\_io.c Line: 243  
EWL\_C/src/buffer\_io.c Line: 318  
EWL\_C/src/char\_io.c Line: 50  
EWL\_C/src/char\_io.c Line: 105  
EWL\_C/src/char\_io.c Line: 129  
EWL\_C/src/char\_io.c Line: 166  
EWL\_C/src/char\_io.c Line: 219  
EWL\_C/src/char\_io.c Line: 253



EWL\_C/src/char\_io.c Line: 290  
EWL\_C/src/char\_io.c Line: 325  
EWL\_C/src/char\_io.c Line: 357  
EWL\_C/src/char\_io.c Line: 368  
EWL\_C/src/char\_io.c Line: 436  
EWL\_C/src/char\_io.c Line: 463  
EWL\_C/src/char\_io.c Line: 492  
EWL\_C/src/char\_io.c Line: 520  
EWL\_C/src/char\_io.c Line: 540  
EWL\_C/src/char\_io.c Line: 550  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 82  
EWL\_C/src/direct\_io.c Line: 66  
EWL\_C/src/direct\_io.c Line: 120  
EWL\_C/src/direct\_io.c Line: 212  
EWL\_C/src/file\_io.c Line: 178  
EWL\_C/src/file\_io.c Line: 223  
EWL\_C/src/file\_pos.c Line: 40  
EWL\_C/src/file\_pos.c Line: 171  
EWL\_C/src/file\_pos.c Line: 312  
EWL\_C/src/file\_pos.c Line: 315  
EWL\_C/src/locale.c Line: 51  
EWL\_C/src/locale.c Line: 88  
EWL\_C/src/locale.c Line: 94  
EWL\_C/src/locale.c Line: 101  
EWL\_C/src/math\_api.c Line: 113  
EWL\_C/src/math\_api.c Line: 121  
EWL\_C/src/math\_double.c Line: 56  
EWL\_C/src/math\_double.c Line: 59  
EWL\_C/src/math\_double.c Line: 93  
EWL\_C/src/math\_float.c Line: 64  
EWL\_C/src/math\_float.c Line: 201  
EWL\_C/src/math\_float.c Line: 204

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### General Exceptions

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EWL\_C/src/math\_fma.c Line: 486  
EWL\_C/src/math\_fma.c Line: 489  
EWL\_C/src/math\_fma.c Line: 492  
EWL\_C/src/math\_fma.c Line: 780  
EWL\_C/src/math\_fma.c Line: 811  
EWL\_C/src/math\_fma.c Line: 820  
EWL\_C/src/math\_fma.c Line: 851  
EWL\_C/src/misc\_io.c Line: 37  
EWL\_C/src/misc\_io.c Line: 46  
EWL\_C/src/misc\_io.c Line: 56  
EWL\_C/src/pa/math\_ppc.c Line: 152  
EWL\_C/src/printf.c Line: 69  
EWL\_C/src/sc/math\_StarCore.c Line: 31  
EWL\_C/src/sc/math\_StarCore.c Line: 34  
EWL\_C/src/sc/math\_StarCore.c Line: 119  
EWL\_C/src/scanf.c Line: 83  
EWL\_C/src/scanf.c Line: 466  
EWL\_C/src/scanf.c Line: 488  
EWL\_C/src/strtold.c Line: 811  
EWL\_C/src/strtold.c Line: 947  
EWL\_C/src/strtold.c Line: 965  
EWL\_C/src/strtold.c Line: 969  
EWL\_C/src/strtold.c Line: 990  
EWL\_C/src/strtold.c Line: 994  
EWL\_C/src/strtold.c Line: 1017  
EWL\_C/src/strtold.c Line: 1021  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 90  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 136  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 141  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 820  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1000

EWL\_C/src/sun\_math/ansi\_fp.c Line: 1046  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1235  
EWL\_C/src/wchar\_io.c Line: 66  
EWL\_C/src/wchar\_io.c Line: 88  
EWL\_C/src/wchar\_io.c Line: 136  
EWL\_C/src/wchar\_io.c Line: 157  
EWL\_C/src/wchar\_io.c Line: 169  
EWL\_C/src/wchar\_io.c Line: 264  
EWL\_C/src/wchar\_io.c Line: 393  
EWL\_C/src/wchar\_io.c Line: 418  
EWL\_C/src/wmem.c Line: 98

## MISRA\_EXCEPTION\_RULE\_12\_4

This topic lists the MISRA rule for side effect in logical expressions.

### MISRA 2004 Rule 12.4: side effect righthand of && or ||

Used to allow side effect in logical expressions, e.g., "if (isnan(x) || isnan(y)) ...".

EWL\_C/src/char\_io.c Line: 192  
EWL\_C/src/math\_fma.c Line: 63  
EWL\_C/src/math\_fma.c Line: 516  
EWL\_C/src/printformat.c Line: 1647  
EWL\_C/src/printformat.c Line: 1933  
EWL\_C/src/printformat.c Line: 1945  
EWL\_C/src/printformat.c Line: 2381  
EWL\_C/src/printformat.c Line: 2429  
EWL\_C/src/sc/pow\_StarCore.c Line: 93  
EWL\_C/src/scanformat.c Line: 448  
EWL\_C/src/scanformat.c Line: 614  
EWL\_C/src/scanformat.c Line: 690  
EWL\_C/src/scanformat.c Line: 1226  
EWL\_C/src/scanformat.c Line: 1266

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### General Exceptions

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EWL\_C/src/scanformat.c Line: 1384  
EWL\_C/src/scanformat.c Line: 1440  
EWL\_C/src/string.c Line: 1193  
EWL\_C/src/string.c Line: 1225  
EWL\_C/src/string.c Line: 1268  
EWL\_C/src/strtold.c Line: 345  
EWL\_C/src/strtold.c Line: 370  
EWL\_C/src/strtold.c Line: 377  
EWL\_C/src/strtold.c Line: 723  
EWL\_C/src/strtoul.c Line: 196  
EWL\_C/src/strtoul.c Line: 454  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 92  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1024  
EWL\_C/src/time.c Line: 104  
EWL\_C/src/wchar\_io.c Line: 390  
EWL\_C/src/wcstold.c Line: 314  
EWL\_C/src/wcstold.c Line: 339  
EWL\_C/src/wcstold.c Line: 346  
EWL\_C/src/wcstold.c Line: 704  
EWL\_C/src/wcstoul.c Line: 213  
EWL\_C/src/wcstoul.c Line: 357  
EWL\_C/src/wprintf.c Line: 1232  
EWL\_C/src/wprintf.c Line: 1513  
EWL\_C/src/wprintf.c Line: 1525  
EWL\_C/src/wprintf.c Line: 1824  
EWL\_C/src/wprintf.c Line: 1870  
EWL\_C/src/wprintfformat.c Line: 1501  
EWL\_C/src/wprintfformat.c Line: 1835  
EWL\_C/src/wprintfformat.c Line: 1849  
EWL\_C/src/wscanf.c Line: 306  
EWL\_C/src/wscanf.c Line: 368

EWL\_C/src/wscanf.c Line: 413  
EWL\_C/src/wscanf.c Line: 719  
EWL\_C/src/wscanf.c Line: 756  
EWL\_C/src/wscanf.c Line: 824  
EWL\_C/src/wscanf.c Line: 886  
EWL\_C/src/wstring.c Line: 97

## MISRA\_EXCEPTION\_RULE\_12\_7

This topic lists the MISRA rule for the bitwise shift operator applied to signed underlying type.

### MISRA 2004 Rule 12.7: Bitwise shift operator applied to signed underlying type

Used to allow >>, e.g., "ex >>= 23;".

EWL\_C/src/math\_fma.c Line: 236  
EWL\_C/src/math\_fma.c Line: 685  
EWL\_C/src/mem.c Line: 102  
EWL\_C/src/pa/fenv.ppc.c Line: 73  
EWL\_C/src/pa/fenv.ppc.c Line: 122  
EWL\_C/src/pa/fenv.ppc.c Line: 166  
EWL\_C/src/pa/fenv.ppc.c Line: 218  
EWL\_C/src/pa/fenv.ppc.c Line: 273  
EWL\_C/src/sc/math\_StarCore.c Line: 46  
EWL\_C/src/sc/math\_StarCore.c Line: 68  
EWL\_C/src/sc/math\_StarCore.c Line: 72  
EWL\_C/src/sc/math\_StarCore.c Line: 83  
EWL\_C/src/sc/math\_StarCore.c Line: 115  
EWL\_C/src/sc/math\_StarCore.c Line: 117  
EWL\_C/src/sc/modf\_StarCore.c Line: 16  
EWL\_C/src/sc/sin\_StarCore.c Line: 128  
EWL\_C/src/sc/sin\_StarCore.c Line: 134  
EWL\_C/src/sc/sin\_StarCore.c Line: 141

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EWL\_C/src/strtoul.c Line: 303  
EWL\_C/src/strtoul.c Line: 532  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 109  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 175  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 190  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 33  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 183  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 266  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 373  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 437  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 439  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 152  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 184  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 190

EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 224  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 249  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 268  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 54  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 97  
EWL\_C/src/sun\_math/Double\_precision/s\_copysign.c Line: 31  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 245  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 251  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 34  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 156  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 47  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 116  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 116  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 115  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 154  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 224  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 387  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 389  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:123

EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:135  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:148  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:168  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:173  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:177  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:186  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:217  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:219  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 111  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:124  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:147  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:166  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 100  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 169  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 171  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 177  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 47  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 489  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1191  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1413  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1441  
EWL\_C/src/wcstoul.c Line: 482  
EWL\_C/src/wcstoul.c Line: 526

## **MISRA\_EXCEPTION\_RULE\_12\_7a**

This topic lists the MISRA rule for the bitwise operator (and(&), or(|)) applied to signed underlying type.



## MISRA 2004 Rule 12.7: Bitwise operator (and(&), or(|)) applied to signed underlying type

Used to allow bitwise "&" on signed types, e.g., "intpart & 1L".

```
EWL_C/src/sun_math/Single_precision/e_fmodf.c Line: 48
EWL_C/src/sun_math/Single_precision/k_tanf.c Line: 114
EWL_C/src/sun_math/Single_precision/k_tanf.c Line: 119
EWL_C/src/sun_math/Single_precision/s_ilogbf.c Line: 61
EWL_C/src/sun_math/Single_precision/s_rintf.c Line: 42
EWL_C/src/sun_math/Single_precision/s_scalbnf.c Line: 41
EWL_C/src/sun_math/ansi_fp.c Line: 679
EWL_C/src/sun_math/math_sun.c Line: 347
EWL_C/src/sun_math/math_sun.c Line: 437
EWL_C/src/sun_math/math_sun.c Line: 526
```

## MISRA\_EXCEPTION\_RULE\_12\_7b

This topic lists the MISRA rule for the bitwise operator xor (^) used in logical expressions or with signed types.

## MISRA 2004 Rule 12.7: Bitwise operator xor (^) used in logical expressions or with signed types

Used to allow '^' as xor in logical expressions, e.g., "sign = ((x < 0) ^ (y < 0)) ? -1 : 1;".

```
EWL_C/src/arith.c Line: 249
EWL_C/src/arith.c Line: 273
EWL_C/src/arith.c Line: 296
EWL_C/src/sun_math/Single_precision/e_fmodf.c Line: 49
```

## MISRA\_EXCEPTION\_RULE\_13\_1

This topic lists the MISRA rule for the boolean test of a parenthesized assignment.

## **MISRA 2004 Rule 13.1: Boolean test of a parenthesized assignment**

To be removed: Used to generate more efficient code, e.g., "while ((\*q++ = \*p++)) ...".

EWL\_C/src/string.c Line: 116  
EWL\_C/src/string.c Line: 283  
EWL\_C/src/string.c Line: 299  
EWL\_C/src/string.c Line: 324  
EWL\_C/src/string.c Line: 336  
EWL\_C/src/string.c Line: 356  
EWL\_C/src/string.c Line: 375  
EWL\_C/src/string.c Line: 593  
EWL\_C/src/string.c Line: 609  
EWL\_C/src/string.c Line: 776  
EWL\_C/src/string.c Line: 797  
EWL\_C/src/string.c Line: 831  
EWL\_C/src/string.c Line: 838  
EWL\_C/src/string.c Line: 852  
EWL\_C/src/string.c Line: 859  
EWL\_C/src/string.c Line: 882  
EWL\_C/src/string.c Line: 889  
EWL\_C/src/string.c Line: 903  
EWL\_C/src/string.c Line: 910  
EWL\_C/src/string.c Line: 934  
EWL\_C/src/string.c Line: 941  
EWL\_C/src/string.c Line: 956  
EWL\_C/src/string.c Line: 963  
EWL\_C/src/string.c Line: 997  
EWL\_C/src/string.c Line: 1004  
EWL\_C/src/string.c Line: 1019  
EWL\_C/src/string.c Line: 1039  
EWL\_C/src/string.c Line: 1046  
EWL\_C/src/string.c Line: 1061

EWL\_C/src/string.c Line: 1102  
EWL\_C/src/string.c Line: 1109  
EWL\_C/src/string.c Line: 1124  
EWL\_C/src/string.c Line: 1144  
EWL\_C/src/string.c Line: 1151  
EWL\_C/src/string.c Line: 1166  
EWL\_C/src/string.c Line: 1194  
EWL\_C/src/string.c Line: 1200  
EWL\_C/src/string.c Line: 1207  
EWL\_C/src/string.c Line: 1226  
EWL\_C/src/string.c Line: 1232  
EWL\_C/src/string.c Line: 1239  
EWL\_C/src/time.c Line: 827  
EWL\_C/src/wstring.c Line: 113  
EWL\_C/src/wstring.c Line: 121  
EWL\_C/src/wstring.c Line: 165  
EWL\_C/src/wstring.c Line: 182  
EWL\_C/src/wstring.c Line: 242  
EWL\_C/src/wstring.c Line: 253  
EWL\_C/src/wstring.c Line: 308  
EWL\_C/src/wstring.c Line: 327  
EWL\_C/src/wstring.c Line: 475  
EWL\_C/src/wstring.c Line: 490  
EWL\_C/src/wstring.c Line: 531  
EWL\_C/src/wstring.c Line: 552  
EWL\_C/src/wstring.c Line: 577  
EWL\_C/src/wstring.c Line: 590  
EWL\_C/src/wstring.c Line: 611  
EWL\_C/src/wstring.c Line: 623  
EWL\_C/src/wstring.c Line: 644  
EWL\_C/src/wstring.c Line: 656  
EWL\_C/src/wstring.c Line: 676

EWL\_C/src/wstring.c Line: 689  
EWL\_C/src/wstring.c Line: 729  
EWL\_C/src/wstring.c Line: 744  
EWL\_C/src/wstring.c Line: 762  
EWL\_C/src/wstring.c Line: 777  
EWL\_C/src/wstring.c Line: 812  
EWL\_C/src/wstring.c Line: 818  
EWL\_C/src/wstring.c Line: 842  
EWL\_C/src/wstring.c Line: 848  
EWL\_C/src/wstring.c Line: 855  
EWL\_C/src/wtime.c Line: 103

## **MISRA\_EXCEPTION\_RULE\_13\_3**

This topic lists the MISRA rule for the floating point equality checks.

### **MISRA 2004 Rule 13.3: Testing floats for equality**

Used to allow floating point equality checks, e.g., "if (x == -INFINITY) ...".

EWL\_C/src/math\_double.c Line: 75  
EWL\_C/src/math\_float.c Line: 208  
EWL\_C/src/math\_float.c Line: 306  
EWL\_C/src/math\_fma.c Line: 158  
EWL\_C/src/math\_fma.c Line: 187  
EWL\_C/src/math\_fma.c Line: 204  
EWL\_C/src/math\_fma.c Line: 608  
EWL\_C/src/math\_fma.c Line: 637  
EWL\_C/src/math\_fma.c Line: 653  
EWL\_C/src/math\_longdouble.c Line: 111  
EWL\_C/src/math\_longdouble.c Line: 173  
EWL\_C/src/math\_longdouble.c Line: 212  
EWL\_C/src/math\_longdouble.c Line: 220  
EWL\_C/src/sc/atan2\_StarCore.c Line: 47  
EWL\_C/src/sc/exp\_StarCore.c Line: 113

EWL\_C/src/sc/exp\_StarCore.c Line: 132  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 185  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 233  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 275  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 194  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 269  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 496  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 501  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 104  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 27  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 26  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:136  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:186  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:230  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 125  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:227  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:167  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:32  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 979

## **MISRA\_EXCEPTION\_RULE\_13\_7**

This topic lists the MISRA rule for the configuration dependent constant expressions.

## **MISRA 2004 Rules 13.7 and 14.1: Constant value logical expressions**

Used to allow configuration dependent constant expressions, e.g., "if ((uint\_t)math\_errhandling & (uint\_t)MATH\_ERRNO) ...".

\* MISRA 2004 Rules 13.7 and 14.1: Constant value Boolean

\* Boolean within 'if' always evaluates to true

\* The right argument to operator '&&' is certain to be 0

```
EWL_C/src/alloc.c Line: 201
EWL_C/src/alloc.c Line: 466
EWL_C/src/alloc.c Line: 3142
EWL_C/src/math_double.c Line: 113
EWL_C/src/math_double.c Line: 117
EWL_C/src/math_double.c Line: 122
EWL_C/src/math_double.c Line: 153
EWL_C/src/math_double.c Line: 156
EWL_C/src/math_double.c Line: 162
EWL_C/src/math_double.c Line: 165
EWL_C/src/math_double.c Line: 241
EWL_C/src/math_double.c Line: 246
EWL_C/src/math_float.c Line: 69
EWL_C/src/math_float.c Line: 72
EWL_C/src/math_float.c Line: 77
EWL_C/src/math_float.c Line: 82
EWL_C/src/math_float.c Line: 87
EWL_C/src/math_float.c Line: 243
EWL_C/src/math_float.c Line: 247
EWL_C/src/math_float.c Line: 252
EWL_C/src/math_float.c Line: 308
EWL_C/src/math_float.c Line: 313
EWL_C/src/math_longdouble.c Line: 51
EWL_C/src/math_longdouble.c Line: 56
EWL_C/src/math_longdouble.c Line: 108
```

EWL\_C/src/math\_longdouble.c Line: 175  
EWL\_C/src/math\_longdouble.c Line: 180  
EWL\_C/src/printformat.c Line: 1404  
EWL\_C/src/printformat.c Line: 1409  
EWL\_C/src/printformat.c Line: 1414  
EWL\_C/src/printformat.c Line: 1439  
EWL\_C/src/printformat.c Line: 1463  
EWL\_C/src/printformat.c Line: 1494  
EWL\_C/src/sc/asin\_StarCore.c Line: 103  
EWL\_C/src/sc/asin\_StarCore.c Line: 108  
EWL\_C/src/sc/asin\_StarCore.c Line: 128  
EWL\_C/src/sc/asin\_StarCore.c Line: 133  
EWL\_C/src/sc/atan2\_StarCore.c Line: 23  
EWL\_C/src/sc/atan2\_StarCore.c Line: 28  
EWL\_C/src/sc/exp\_StarCore.c Line: 119  
EWL\_C/src/sc/exp\_StarCore.c Line: 138  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 26  
EWL\_C/src/sc/log10\_StarCore.c Line: 64  
EWL\_C/src/sc/log10\_StarCore.c Line: 74  
EWL\_C/src/sc/log10\_StarCore.c Line: 79  
EWL\_C/src/sc/log\_StarCore.c Line: 86  
EWL\_C/src/sc/log\_StarCore.c Line: 91  
EWL\_C/src/sc/log\_StarCore.c Line: 105  
EWL\_C/src/sc/math\_StarCore.c Line: 51  
EWL\_C/src/sc/math\_StarCore.c Line: 56  
EWL\_C/src/sc/math\_StarCore.c Line: 206  
EWL\_C/src/sc/math\_StarCore.c Line: 273  
EWL\_C/src/sc/math\_StarCore.c Line: 341  
EWL\_C/src/sc/pow\_StarCore.c Line: 97  
EWL\_C/src/sc/pow\_StarCore.c Line: 102  
EWL\_C/src/sc/pow\_StarCore.c Line: 116  
EWL\_C/src/sc/pow\_StarCore.c Line: 121

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EWL\_C/src/sc/pow\_StarCore.c Line: 150  
EWL\_C/src/sc/pow\_StarCore.c Line: 170  
EWL\_C/src/sc/pow\_StarCore.c Line: 205  
EWL\_C/src/sc/pow\_StarCore.c Line: 219  
EWL\_C/src/sc/sinh\_StarCore.c Line: 58  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 34  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 39  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 89  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 94  
EWL\_C/src/signal.c Line: 77  
EWL\_C/src/strtold.c Line: 852  
EWL\_C/src/strtold.c Line: 915  
EWL\_C/src/strtold.c Line: 919  
EWL\_C/src/strtold.c Line: 923  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 98  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 133  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 144  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 230  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 106



EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 118  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 151  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 270  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 275  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line:62  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 101  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 124  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 152  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 166  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 179  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 43  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 126  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 37  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 42

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EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 83  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:183  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 110  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 122  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 141  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 231  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 236  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:61  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:66

EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 36  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 41  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 100  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 47  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 52  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1155  
EWL\_C/src/sun\_math/math\_sun.c Line: 94  
EWL\_C/src/sun\_math/math\_sun.c Line: 121  
EWL\_C/src/sun\_math/math\_sun.c Line: 180  
EWL\_C/src/sun\_math/math\_sun.c Line: 239  
EWL\_C/src/sun\_math/math\_sun.c Line: 301  
EWL\_C/src/sun\_math/math\_sun.c Line: 391  
EWL\_C/src/sun\_math/math\_sun.c Line: 480  
EWL\_C/src/sun\_math/math\_sun.c Line: 567  
EWL\_C/src/sun\_math/math\_sun.c Line: 625  
EWL\_C/src/sun\_math/math\_sun.c Line: 684

EWL\_C/src/wcstold.c Line: 791  
EWL\_C/src/wcstold.c Line: 854  
EWL\_C/src/wcstold.c Line: 859  
EWL\_C/src/wcstold.c Line: 864  
EWL\_C/src/wprintf.c Line: 1085  
EWL\_C/src/wprintf.c Line: 1089  
EWL\_C/src/wprintf.c Line: 1093  
EWL\_C/src/wprintf.c Line: 1120  
EWL\_C/src/wprintf.c Line: 1143  
EWL\_C/src/wprintf.c Line: 1168  
EWL\_C/src/wprintfformat.c Line: 1227  
EWL\_C/src/wprintfformat.c Line: 1232  
EWL\_C/src/wprintfformat.c Line: 1237  
EWL\_C/src/wprintfformat.c Line: 1270  
EWL\_C/src/wprintfformat.c Line: 1299  
EWL\_C/src/wprintfformat.c Line: 1333

## **MISRA\_EXCEPTION\_RULE\_14\_4**

This topic lists the MISRA rule for the goto statement.

### **MISRA 2004 Rule 14.4: goto stmt**

Used to allow "goto" statements , e.g., for code sharing.

EWL\_C/src/printformat.c Line: 1736  
EWL\_C/src/printformat.c Line: 1749  
EWL\_C/src/printformat.c Line: 2033  
EWL\_C/src/printformat.c Line: 2042  
EWL\_C/src/printformat.c Line: 2118  
EWL\_C/src/printformat.c Line: 2126  
EWL\_C/src/printformat.c Line: 2170  
EWL\_C/src/printformat.c Line: 2188  
EWL\_C/src/printformat.c Line: 2213  
EWL\_C/src/printformat.c Line: 2340

EWL\_C/src/printformat.c Line: 2359  
EWL\_C/src/scanformat.c Line: 627  
EWL\_C/src/scanformat.c Line: 643  
EWL\_C/src/scanformat.c Line: 693  
EWL\_C/src/scanformat.c Line: 704  
EWL\_C/src/scanformat.c Line: 742  
EWL\_C/src/scanformat.c Line: 750  
EWL\_C/src/scanformat.c Line: 871  
EWL\_C/src/scanformat.c Line: 876  
EWL\_C/src/scanformat.c Line: 912  
EWL\_C/src/scanformat.c Line: 920  
EWL\_C/src/scanformat.c Line: 1060  
EWL\_C/src/scanformat.c Line: 1065  
EWL\_C/src/scanformat.c Line: 1169  
EWL\_C/src/scanformat.c Line: 1250  
EWL\_C/src/scanformat.c Line: 1275  
EWL\_C/src/scanformat.c Line: 1308  
EWL\_C/src/scanformat.c Line: 1412  
EWL\_C/src/scanformat.c Line: 1531  
EWL\_C/src/string.c Line: 148  
EWL\_C/src/string.c Line: 213  
EWL\_C/src/string.c Line: 236  
EWL\_C/src/string.c Line: 426  
EWL\_C/src/string.c Line: 466  
EWL\_C/src/string.c Line: 479  
EWL\_C/src/string.c Line: 488  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 282  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:180  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 322  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 361  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 368  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 674

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/ansi\_fp.c Line: 1006  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1017  
EWL\_C/src/wprintf.c Line: 1320  
EWL\_C/src/wprintf.c Line: 1334  
EWL\_C/src/wprintf.c Line: 1578  
EWL\_C/src/wprintf.c Line: 1587  
EWL\_C/src/wprintf.c Line: 1640  
EWL\_C/src/wprintf.c Line: 1649  
EWL\_C/src/wprintf.c Line: 1680  
EWL\_C/src/wprintf.c Line: 1698  
EWL\_C/src/wprintf.c Line: 1763  
EWL\_C/src/wprintfformat.c Line: 1616  
EWL\_C/src/wprintfformat.c Line: 1632  
EWL\_C/src/wprintfformat.c Line: 1921  
EWL\_C/src/wprintfformat.c Line: 1931  
EWL\_C/src/wprintfformat.c Line: 1991  
EWL\_C/src/wprintfformat.c Line: 2001  
EWL\_C/src/wprintfformat.c Line: 2029  
EWL\_C/src/wprintfformat.c Line: 2049  
EWL\_C/src/wprintfformat.c Line: 2131  
EWL\_C/src/wscanf.c Line: 389  
EWL\_C/src/wscanf.c Line: 416  
EWL\_C/src/wscanf.c Line: 426  
EWL\_C/src/wscanf.c Line: 456  
EWL\_C/src/wscanf.c Line: 467  
EWL\_C/src/wscanf.c Line: 535  
EWL\_C/src/wscanf.c Line: 540  
EWL\_C/src/wscanf.c Line: 574  
EWL\_C/src/wscanf.c Line: 584  
EWL\_C/src/wscanf.c Line: 665  
EWL\_C/src/wscanf.c Line: 670  
EWL\_C/src/wscanf.c Line: 729

EWL\_C/src/wscanf.c Line: 740  
EWL\_C/src/wscanf.c Line: 763  
EWL\_C/src/wscanf.c Line: 782  
EWL\_C/src/wscanf.c Line: 841  
EWL\_C/src/wscanf.c Line: 861  
EWL\_C/src/wscanf.c Line: 933

## MISRA\_EXCEPTION\_RULE\_14\_5

This topic lists the MISRA rule for the continue statement.

### MISRA 2004 Rule 14.5: continue stmt

Used to allow "continue" statements.

EWL\_C/src/printformat.c Line: 2285  
EWL\_C/src/scanformat.c Line: 635  
EWL\_C/src/scanformat.c Line: 648  
EWL\_C/src/scanformat.c Line: 655  
EWL\_C/src/scanformat.c Line: 1221  
EWL\_C/src/scanformat.c Line: 1257  
EWL\_C/src/scanformat.c Line: 1298  
EWL\_C/src/scanformat.c Line: 1312  
EWL\_C/src/scanformat.c Line: 1379  
EWL\_C/src/scanformat.c Line: 1419  
EWL\_C/src/scanformat.c Line: 1526  
EWL\_C/src/sys/uart\_console\_io.c Line: 101  
EWL\_C/src/wprintf.c Line: 1798  
EWL\_C/src/wprintf.c Line: 2167  
EWL\_C/src/wscanf.c Line: 381  
EWL\_C/src/wscanf.c Line: 394  
EWL\_C/src/wscanf.c Line: 401  
EWL\_C/src/wscanf.c Line: 714  
EWL\_C/src/wscanf.c Line: 747  
EWL\_C/src/wscanf.c Line: 772

EWL\_C/src/wscanf.c Line: 786  
EWL\_C/src/wscanf.c Line: 819  
EWL\_C/src/wscanf.c Line: 848  
EWL\_C/src/wscanf.c Line: 868  
EWL\_C/src/wscanf.c Line: 927

## **MISRA\_EXCEPTION\_RULE\_14\_6**

This topic lists the MISRA rule for more than one break in a loop.

### **MISRA 2004 Rule 14.6: More than one break terminates loop**

Used to allow more than one "break;" in a loop.

EWL\_C/src/alloc.c Line: 2412  
EWL\_C/src/char\_io.c Line: 223  
EWL\_C/src/char\_io.c Line: 275  
EWL\_C/src/mbstring.c Line: 539  
EWL\_C/src/mbstring.c Line: 580  
EWL\_C/src/mbstring.c Line: 588  
EWL\_C/src/mbstring.c Line: 717  
EWL\_C/src/mbstring.c Line: 761  
EWL\_C/src/mbstring.c Line: 799  
EWL\_C/src/mbstring.c Line: 850  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 206  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1036  
EWL\_C/src/sys/uart\_console\_io.c Line: 107  
EWL\_C/src/sys/uart\_console\_io.c Line: 113

## **MISRA\_EXCEPTION\_RULE\_14\_7**

This topic lists the MISRA rule for more than one "return;" in a function.



## MISRA 2004 Rule 14.7: Return statement before end of function

Used to allow more than one "return;" in a function

EWL\_C/src/abort\_exit.c Line: 82  
EWL\_C/src/alloc.c Line: 210  
EWL\_C/src/alloc.c Line: 245  
EWL\_C/src/alloc.c Line: 274  
EWL\_C/src/alloc.c Line: 408  
EWL\_C/src/alloc.c Line: 467  
EWL\_C/src/alloc.c Line: 2072  
EWL\_C/src/alloc.c Line: 2256  
EWL\_C/src/alloc.c Line: 2267  
EWL\_C/src/alloc.c Line: 2393  
EWL\_C/src/alloc.c Line: 2408  
EWL\_C/src/alloc.c Line: 2434  
EWL\_C/src/alloc.c Line: 2451  
EWL\_C/src/alloc.c Line: 2618  
EWL\_C/src/alloc.c Line: 2750  
EWL\_C/src/alloc.c Line: 2785  
EWL\_C/src/alloc.c Line: 2789  
EWL\_C/src/alloc.c Line: 2808  
EWL\_C/src/alloc.c Line: 2852  
EWL\_C/src/alloc.c Line: 2886  
EWL\_C/src/alloc.c Line: 2969  
EWL\_C/src/alloc.c Line: 2972  
EWL\_C/src/alloc.c Line: 2978  
EWL\_C/src/alloc.c Line: 2983  
EWL\_C/src/alloc.c Line: 3117  
EWL\_C/src/alloc.c Line: 3125  
EWL\_C/src/arith.c Line: 67  
EWL\_C/src/arith.c Line: 101  
EWL\_C/src/arith.c Line: 113

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EWL\_C/src/arith.c Line: 185  
EWL\_C/src/arith.c Line: 190  
EWL\_C/src/arith.c Line: 206  
EWL\_C/src/arith.c Line: 211  
EWL\_C/src/arith.c Line: 228  
EWL\_C/src/arith.c Line: 233  
EWL\_C/src/arith.c Line: 259  
EWL\_C/src/arith.c Line: 280  
EWL\_C/src/arith.c Line: 303  
EWL\_C/src/bsearch.c Line: 40  
EWL\_C/src/bsearch.c Line: 49  
EWL\_C/src/bsearch.c Line: 54  
EWL\_C/src/bsearch.c Line: 67  
EWL\_C/src/bsearch.c Line: 94  
EWL\_C/src/bsearch.c Line: 99  
EWL\_C/src/bsearch.c Line: 108  
EWL\_C/src/bsearch.c Line: 113  
EWL\_C/src/bsearch.c Line: 127  
EWL\_C/src/buffer\_io.c Line: 166  
EWL\_C/src/buffer\_io.c Line: 229  
EWL\_C/src/buffer\_io.c Line: 255  
EWL\_C/src/buffer\_io.c Line: 260  
EWL\_C/src/buffer\_io.c Line: 269  
EWL\_C/src/buffer\_io.c Line: 296  
EWL\_C/src/buffer\_io.c Line: 306  
EWL\_C/src/buffer\_io.c Line: 313  
EWL\_C/src/char\_io.c Line: 58  
EWL\_C/src/char\_io.c Line: 66  
EWL\_C/src/char\_io.c Line: 77  
EWL\_C/src/char\_io.c Line: 93  
EWL\_C/src/char\_io.c Line: 185  
EWL\_C/src/char\_io.c Line: 200

EWL\_C/src/char\_io.c Line: 232  
EWL\_C/src/char\_io.c Line: 269  
EWL\_C/src/char\_io.c Line: 284  
EWL\_C/src/char\_io.c Line: 331  
EWL\_C/src/char\_io.c Line: 337  
EWL\_C/src/char\_io.c Line: 360  
EWL\_C/src/char\_io.c Line: 375  
EWL\_C/src/char\_io.c Line: 390  
EWL\_C/src/char\_io.c Line: 403  
EWL\_C/src/char\_io.c Line: 411  
EWL\_C/src/char\_io.c Line: 423  
EWL\_C/src/coldfire/fenv\_cf.c Line: 231  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 64  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 107  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 114  
EWL\_C/src/direct\_io.c Line: 82  
EWL\_C/src/direct\_io.c Line: 98  
EWL\_C/src/direct\_io.c Line: 106  
EWL\_C/src/direct\_io.c Line: 229  
EWL\_C/src/direct\_io.c Line: 250  
EWL\_C/src/direct\_io.c Line: 264  
EWL\_C/src/file\_io.c Line: 165  
EWL\_C/src/file\_io.c Line: 183  
EWL\_C/src/file\_io.c Line: 187  
EWL\_C/src/file\_io.c Line: 203  
EWL\_C/src/file\_io.c Line: 209  
EWL\_C/src/file\_io.c Line: 212  
EWL\_C/src/file\_io.c Line: 228  
EWL\_C/src/file\_io.c Line: 233  
EWL\_C/src/file\_io.c Line: 238  
EWL\_C/src/file\_io.c Line: 252  
EWL\_C/src/file\_io.c Line: 271

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EWL\_C/src/file\_io.c Line: 309  
EWL\_C/src/file\_io.c Line: 327  
EWL\_C/src/file\_io.c Line: 335  
EWL\_C/src/file\_io.c Line: 347  
EWL\_C/src/file\_io.c Line: 368  
EWL\_C/src/file\_io.c Line: 376  
EWL\_C/src/file\_io.c Line: 386  
EWL\_C/src/file\_io.c Line: 394  
EWL\_C/src/file\_io.c Line: 406  
EWL\_C/src/file\_io.c Line: 432  
EWL\_C/src/file\_io.c Line: 460  
EWL\_C/src/file\_io.c Line: 468  
EWL\_C/src/file\_io.c Line: 589  
EWL\_C/src/file\_io.c Line: 593  
EWL\_C/src/file\_io.c Line: 597  
EWL\_C/src/file\_pos.c Line: 53  
EWL\_C/src/file\_pos.c Line: 58  
EWL\_C/src/file\_pos.c Line: 180  
EWL\_C/src/file\_pos.c Line: 189  
EWL\_C/src/file\_pos.c Line: 232  
EWL\_C/src/locale.c Line: 89  
EWL\_C/src/locale.c Line: 95  
EWL\_C/src/locale.c Line: 102  
EWL\_C/src/math\_api.c Line: 86  
EWL\_C/src/math\_api.c Line: 89  
EWL\_C/src/math\_api.c Line: 92  
EWL\_C/src/math\_api.c Line: 95  
EWL\_C/src/math\_api.c Line: 98  
EWL\_C/src/math\_api.c Line: 127  
EWL\_C/src/math\_api.c Line: 130  
EWL\_C/src/math\_api.c Line: 135  
EWL\_C/src/math\_api.c Line: 138

EWL\_C/src/math\_api.c Line: 165  
EWL\_C/src/math\_api.c Line: 168  
EWL\_C/src/math\_api.c Line: 175  
EWL\_C/src/math\_api.c Line: 178  
EWL\_C/src/math\_double.c Line: 66  
EWL\_C/src/math\_double.c Line: 70  
EWL\_C/src/math\_double.c Line: 78  
EWL\_C/src/math\_double.c Line: 82  
EWL\_C/src/math\_double.c Line: 143  
EWL\_C/src/math\_double.c Line: 170  
EWL\_C/src/math\_double.c Line: 255  
EWL\_C/src/math\_double.c Line: 259  
EWL\_C/src/math\_double.c Line: 263  
EWL\_C/src/math\_float.c Line: 59  
EWL\_C/src/math\_float.c Line: 93  
EWL\_C/src/math\_float.c Line: 212  
EWL\_C/src/math\_float.c Line: 218  
EWL\_C/src/math\_float.c Line: 223  
EWL\_C/src/math\_float.c Line: 328  
EWL\_C/src/math\_float.c Line: 331  
EWL\_C/src/math\_float.c Line: 341  
EWL\_C/src/math\_float.c Line: 348  
EWL\_C/src/math\_float.c Line: 354  
EWL\_C/src/math\_fma.c Line: 66  
EWL\_C/src/math\_fma.c Line: 78  
EWL\_C/src/math\_fma.c Line: 83  
EWL\_C/src/math\_fma.c Line: 89  
EWL\_C/src/math\_fma.c Line: 118  
EWL\_C/src/math\_fma.c Line: 124  
EWL\_C/src/math\_fma.c Line: 132  
EWL\_C/src/math\_fma.c Line: 137  
EWL\_C/src/math\_fma.c Line: 149

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EWL\_C/src/math\_fma.c Line: 153  
EWL\_C/src/math\_fma.c Line: 161  
EWL\_C/src/math\_fma.c Line: 167  
EWL\_C/src/math\_fma.c Line: 170  
EWL\_C/src/math\_fma.c Line: 176  
EWL\_C/src/math\_fma.c Line: 179  
EWL\_C/src/math\_fma.c Line: 192  
EWL\_C/src/math\_fma.c Line: 197  
EWL\_C/src/math\_fma.c Line: 208  
EWL\_C/src/math\_fma.c Line: 213  
EWL\_C/src/math\_fma.c Line: 220  
EWL\_C/src/math\_fma.c Line: 229  
EWL\_C/src/math\_fma.c Line: 294  
EWL\_C/src/math\_fma.c Line: 394  
EWL\_C/src/math\_fma.c Line: 432  
EWL\_C/src/math\_fma.c Line: 440  
EWL\_C/src/math\_fma.c Line: 518  
EWL\_C/src/math\_fma.c Line: 530  
EWL\_C/src/math\_fma.c Line: 535  
EWL\_C/src/math\_fma.c Line: 541  
EWL\_C/src/math\_fma.c Line: 570  
EWL\_C/src/math\_fma.c Line: 576  
EWL\_C/src/math\_fma.c Line: 584  
EWL\_C/src/math\_fma.c Line: 589  
EWL\_C/src/math\_fma.c Line: 600  
EWL\_C/src/math\_fma.c Line: 603  
EWL\_C/src/math\_fma.c Line: 610  
EWL\_C/src/math\_fma.c Line: 616  
EWL\_C/src/math\_fma.c Line: 619  
EWL\_C/src/math\_fma.c Line: 625  
EWL\_C/src/math\_fma.c Line: 628  
EWL\_C/src/math\_fma.c Line: 641

EWL\_C/src/math\_fma.c Line: 646  
EWL\_C/src/math\_fma.c Line: 657  
EWL\_C/src/math\_fma.c Line: 662  
EWL\_C/src/math\_fma.c Line: 669  
EWL\_C/src/math\_fma.c Line: 678  
EWL\_C/src/math\_fma.c Line: 728  
EWL\_C/src/math\_fma.c Line: 782  
EWL\_C/src/math\_fma.c Line: 813  
EWL\_C/src/math\_fma.c Line: 822  
EWL\_C/src/math\_longdouble.c Line: 195  
EWL\_C/src/math\_longdouble.c Line: 198  
EWL\_C/src/math\_longdouble.c Line: 208  
EWL\_C/src/math\_longdouble.c Line: 217  
EWL\_C/src/math\_longdouble.c Line: 224  
EWL\_C/src/mbstring.c Line: 53  
EWL\_C/src/mbstring.c Line: 56  
EWL\_C/src/mbstring.c Line: 67  
EWL\_C/src/mbstring.c Line: 72  
EWL\_C/src/mbstring.c Line: 77  
EWL\_C/src/mbstring.c Line: 90  
EWL\_C/src/mbstring.c Line: 96  
EWL\_C/src/mbstring.c Line: 101  
EWL\_C/src/mbstring.c Line: 117  
EWL\_C/src/mbstring.c Line: 122  
EWL\_C/src/mbstring.c Line: 128  
EWL\_C/src/mbstring.c Line: 183  
EWL\_C/src/mbstring.c Line: 211  
EWL\_C/src/mbstring.c Line: 343  
EWL\_C/src/mbstring.c Line: 348  
EWL\_C/src/mbstring.c Line: 357  
EWL\_C/src/mbstring.c Line: 367  
EWL\_C/src/mbstring.c Line: 372

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EWL\_C/src/mbstring.c Line: 398  
EWL\_C/src/mbstring.c Line: 412  
EWL\_C/src/mbstring.c Line: 426  
EWL\_C/src/mbstring.c Line: 454  
EWL\_C/src/mbstring.c Line: 481  
EWL\_C/src/mbstring.c Line: 499  
EWL\_C/src/mbstring.c Line: 524  
EWL\_C/src/mbstring.c Line: 561  
EWL\_C/src/mbstring.c Line: 567  
EWL\_C/src/mbstring.c Line: 625  
EWL\_C/src/mbstring.c Line: 643  
EWL\_C/src/mbstring.c Line: 667  
EWL\_C/src/mbstring.c Line: 695  
EWL\_C/src/mbstring.c Line: 740  
EWL\_C/src/mbstring.c Line: 780  
EWL\_C/src/mbstring.c Line: 823  
EWL\_C/src/mbstring.c Line: 829  
EWL\_C/src/mbstring.c Line: 864  
EWL\_C/src/mbstring.c Line: 871  
EWL\_C/src/mbstring.c Line: 874  
EWL\_C/src/mem.c Line: 117  
EWL\_C/src/mem.c Line: 193  
EWL\_C/src/mem.c Line: 203  
EWL\_C/src/mem.c Line: 224  
EWL\_C/src/mem.c Line: 236  
EWL\_C/src/mem.c Line: 258  
EWL\_C/src/mem.c Line: 261  
EWL\_C/src/mem.c Line: 275  
EWL\_C/src/mem.c Line: 278  
EWL\_C/src/mem.c Line: 296  
EWL\_C/src/mem.c Line: 304  
EWL\_C/src/mem.c Line: 317



EWL\_C/src/mem.c Line: 325  
EWL\_C/src/mem\_funcs.c Line: 94  
EWL\_C/src/mem\_funcs.c Line: 138  
EWL\_C/src/pa/fenv.ppc.c Line: 77  
EWL\_C/src/pa/fenv.ppc.c Line: 222  
EWL\_C/src/pa/fenv.ppc.c Line: 370  
EWL\_C/src/pa/fenv.ppc.c Line: 373  
EWL\_C/src/pa/fenv.ppc.c Line: 728  
EWL\_C/src/pa/fenv.ppc.c Line: 732  
EWL\_C/src/printf.c Line: 102  
EWL\_C/src/printf.c Line: 132  
EWL\_C/src/printf.c Line: 139  
EWL\_C/src/printf.c Line: 195  
EWL\_C/src/printf.c Line: 309  
EWL\_C/src/printf.c Line: 328  
EWL\_C/src/printf.c Line: 335  
EWL\_C/src/printf.c Line: 357  
EWL\_C/src/printf.c Line: 385  
EWL\_C/src/printf.c Line: 392  
EWL\_C/src/printf.c Line: 445  
EWL\_C/src/printf.c Line: 482  
EWL\_C/src/printformat.c Line: 262  
EWL\_C/src/printformat.c Line: 363  
EWL\_C/src/printformat.c Line: 510  
EWL\_C/src/printformat.c Line: 786  
EWL\_C/src/printformat.c Line: 874  
EWL\_C/src/printformat.c Line: 933  
EWL\_C/src/printformat.c Line: 1009  
EWL\_C/src/printformat.c Line: 1085  
EWL\_C/src/printformat.c Line: 1143  
EWL\_C/src/printformat.c Line: 1219  
EWL\_C/src/printformat.c Line: 1290

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EWL\_C/src/printfformat.c Line: 1345  
EWL\_C/src/printfformat.c Line: 1364  
EWL\_C/src/printfformat.c Line: 1551  
EWL\_C/src/printfformat.c Line: 1556  
EWL\_C/src/printfformat.c Line: 1598  
EWL\_C/src/printfformat.c Line: 1605  
EWL\_C/src/printfformat.c Line: 1630  
EWL\_C/src/printfformat.c Line: 1680  
EWL\_C/src/printfformat.c Line: 1701  
EWL\_C/src/printfformat.c Line: 1779  
EWL\_C/src/printfformat.c Line: 1834  
EWL\_C/src/printfformat.c Line: 1935  
EWL\_C/src/printfformat.c Line: 1947  
EWL\_C/src/printfformat.c Line: 2205  
EWL\_C/src/printfformat.c Line: 2226  
EWL\_C/src/printfformat.c Line: 2261  
EWL\_C/src/printfformat.c Line: 2383  
EWL\_C/src/printfformat.c Line: 2387  
EWL\_C/src/printfformat.c Line: 2398  
EWL\_C/src/printfformat.c Line: 2408  
EWL\_C/src/printfformat.c Line: 2412  
EWL\_C/src/printfformat.c Line: 2421  
EWL\_C/src/printfformat.c Line: 2431  
EWL\_C/src/printfformat.c Line: 2439  
EWL\_C/src/printfformat.c Line: 2457  
EWL\_C/src/printfformat.c Line: 2461  
EWL\_C/src/qsort.c Line: 117  
EWL\_C/src/qsort.c Line: 135  
EWL\_C/src/qsort.c Line: 179  
EWL\_C/src/qsort.c Line: 184  
EWL\_C/src/qsort.c Line: 201  
EWL\_C/src/scanf.c Line: 51

EWL\_C/src/scanf.c Line: 56  
EWL\_C/src/scanf.c Line: 59  
EWL\_C/src/scanf.c Line: 65  
EWL\_C/src/scanf.c Line: 70  
EWL\_C/src/scanf.c Line: 84  
EWL\_C/src/scanf.c Line: 104  
EWL\_C/src/scanf.c Line: 108  
EWL\_C/src/scanf.c Line: 118  
EWL\_C/src/scanf.c Line: 122  
EWL\_C/src/scanf.c Line: 126  
EWL\_C/src/scanf.c Line: 149  
EWL\_C/src/scanf.c Line: 156  
EWL\_C/src/scanf.c Line: 167  
EWL\_C/src/scanf.c Line: 174  
EWL\_C/src/scanf.c Line: 206  
EWL\_C/src/scanf.c Line: 213  
EWL\_C/src/scanf.c Line: 225  
EWL\_C/src/scanf.c Line: 232  
EWL\_C/src/scanf.c Line: 253  
EWL\_C/src/scanf.c Line: 275  
EWL\_C/src/scanf.c Line: 289  
EWL\_C/src/scanf.c Line: 310  
EWL\_C/src/scanf.c Line: 317  
EWL\_C/src/scanf.c Line: 329  
EWL\_C/src/scanf.c Line: 335  
EWL\_C/src/scanf.c Line: 379  
EWL\_C/src/scanf.c Line: 388  
EWL\_C/src/scanf.c Line: 411  
EWL\_C/src/scanf.c Line: 418  
EWL\_C/src/scanf.c Line: 438  
EWL\_C/src/scanf.c Line: 450  
EWL\_C/src/scanf.c Line: 469

## Power Architecture

### General Exceptions

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EWL\_C/src/scanf.c Line: 484  
EWL\_C/src/scanformat.c Line: 164  
EWL\_C/src/scanformat.c Line: 188  
EWL\_C/src/scanformat.c Line: 1541  
EWL\_C/src/scanformat.c Line: 1550  
EWL\_C/src/signal.c Line: 36  
EWL\_C/src/signal.c Line: 56  
EWL\_C/src/signal.c Line: 73  
EWL\_C/src/string.c Line: 155  
EWL\_C/src/string.c Line: 161  
EWL\_C/src/string.c Line: 246  
EWL\_C/src/string.c Line: 252  
EWL\_C/src/string.c Line: 415  
EWL\_C/src/string.c Line: 432  
EWL\_C/src/string.c Line: 440  
EWL\_C/src/string.c Line: 444  
EWL\_C/src/string.c Line: 497  
EWL\_C/src/string.c Line: 502  
EWL\_C/src/string.c Line: 510  
EWL\_C/src/string.c Line: 514  
EWL\_C/src/string.c Line: 529  
EWL\_C/src/string.c Line: 555  
EWL\_C/src/string.c Line: 572  
EWL\_C/src/string.c Line: 596  
EWL\_C/src/string.c Line: 612  
EWL\_C/src/string.c Line: 681  
EWL\_C/src/string.c Line: 703  
EWL\_C/src/string.c Line: 784  
EWL\_C/src/string.c Line: 805  
EWL\_C/src/string.c Line: 841  
EWL\_C/src/string.c Line: 862  
EWL\_C/src/string.c Line: 1013

EWL\_C/src/string.c Line: 1055  
EWL\_C/src/string.c Line: 1090  
EWL\_C/src/string.c Line: 1118  
EWL\_C/src/string.c Line: 1160  
EWL\_C/src/string.c Line: 1196  
EWL\_C/src/string.c Line: 1211  
EWL\_C/src/string.c Line: 1228  
EWL\_C/src/string.c Line: 1243  
EWL\_C/src/string.c Line: 1261  
EWL\_C/src/string.c Line: 1281  
EWL\_C/src/string.c Line: 1288  
EWL\_C/src/string.c Line: 1302  
EWL\_C/src/string.c Line: 1310  
EWL\_C/src/string.c Line: 1316  
EWL\_C/src/string.c Line: 1331  
EWL\_C/src/string.c Line: 1339  
EWL\_C/src/string.c Line: 1346  
EWL\_C/src/string.c Line: 1361  
EWL\_C/src/string.c Line: 1369  
EWL\_C/src/string.c Line: 1377  
EWL\_C/src/string.c Line: 1383  
EWL\_C/src/string.c Line: 1409  
EWL\_C/src/string.c Line: 1429  
EWL\_C/src/strtold.c Line: 357  
EWL\_C/src/strtold.c Line: 405  
EWL\_C/src/strtold.c Line: 740  
EWL\_C/src/strtold.c Line: 750  
EWL\_C/src/strtold.c Line: 754  
EWL\_C/src/strtold.c Line: 757  
EWL\_C/src/strtold.c Line: 804  
EWL\_C/src/strtold.c Line: 837  
EWL\_C/src/strtold.c Line: 902

## Power Architecture

### General Exceptions

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EWL\_C/src/strtold.c Line: 949  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 79  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 118  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 89  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 110  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 119  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 156  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 114  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 137  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 140  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 143  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 156

EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 159  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 162  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 191  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 194  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 114  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 74  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 87  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 99  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 139  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 150  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 184  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 193  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 155  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 73

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### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_hypot.c Line: 133  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 175  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 252  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 256  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 262  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 265  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 271  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 277  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 161  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 167  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 171  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 192  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 197  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 200  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 116  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 123  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 161  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 181  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 213  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 216  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 219



EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 226  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 229  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 234  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 258  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 286  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 294  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 298  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 304  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 308  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 387  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 391  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 398  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 402  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 101  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 127  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 167  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 170  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 179  
EWL\_C/src/sun\_math/Double\_precision/e\_rem\_pio2.c Line: 200  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 74  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 135  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 143

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EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 163  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 16  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 20  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 26  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 30  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 38  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 42  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/fminmaxdim.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/k\_cos.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 70  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/k\_sin.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 94  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 124  
EWL\_C/src/sun\_math/Double\_precision/k\_tan.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 72  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 104  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 113

EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/s\_atan.c Line: 145  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 57  
EWL\_C/src/sun\_math/Double\_precision/s\_cbrt.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 58  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/s\_ceil.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 71  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 82  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 105  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/s\_cos.c Line: 115  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 210  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 213  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 221  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 224  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 231  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 242  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 248  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 251  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 273  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 276  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 298  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 301  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 308

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### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 316  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 321  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 331  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 335  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 349  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 362  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 365  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 376  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 379  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 160  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 172  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 185  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 211  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 225  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 231  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 236  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 247  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 72  
EWL\_C/src/sun\_math/Double\_precision/s\_floor.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_frexp.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 54  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 84  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 31  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 42  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 50

EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 70  
EWL\_C/src/sun\_math/Double\_precision/s\_ldexp.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 132  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 157  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 166  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 198  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 202  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 208  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 211  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 219  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 222  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 48  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 52  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 56  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 29  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 55  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 78  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 86  
EWL\_C/src/sun\_math/Double\_precision/s\_modf.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 47  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 51  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 59  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 62  
EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 88

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/s\_nextafter.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 63  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 81  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_rint.c Line: 106  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 80  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 83  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 103  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 110  
EWL\_C/src/sun\_math/Double\_precision/s\_sin.c Line: 113  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 69  
EWL\_C/src/sun\_math/Double\_precision/s\_tan.c Line: 76  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 67  
EWL\_C/src/sun\_math/Double\_precision/s\_tanh.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 115  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 129  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 75

EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 145  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 109  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 118  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 124  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 127  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 137  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 140  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 143  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 151  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 167  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 175  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 178  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 181  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 106

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 117  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 120  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 64  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 103  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 123  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 136  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 147  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 153  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 147  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 118  
EWL\_C/src/sun\_math/Single\_precision/e\_hypotf.c Line: 121  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:126  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:205  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:210  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:216  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:219  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:226



EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:233  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 104  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 112  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 128  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 132  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 138  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 142  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 160  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 163  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 171  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 132  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 152  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 176  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 179  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 182  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 188  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 191  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 196  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 201  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 220  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 248  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 251  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 263

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### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 267  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 343  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 347  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 351  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 355  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:127  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:129  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:144  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:157  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:201  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:204  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:213  
EWL\_C/src/sun\_math/Single\_precision/e\_rem\_pio2f.c Line:233  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:72  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:77  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:83  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 59  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 17  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 21  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 27  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 31  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 37  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 41

EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 46  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 50  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 64  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line: 93  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:101  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:105  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:111  
EWL\_C/src/sun\_math/Single\_precision/fminmaxdimf.c Line:115  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/k\_cosf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/k\_sinf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 105  
EWL\_C/src/sun\_math/Single\_precision/k\_tanf.c Line: 122  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 102

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 108  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 136  
EWL\_C/src/sun\_math/Single\_precision/s\_atanf.c Line: 140  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/s\_cbrtf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/s\_ceilf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/s\_cosf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 130  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 138  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 141  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 156  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 165  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 190  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 193  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 214  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 220  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 228  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 233

EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 243  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 247  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 261  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 274  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 277  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 288  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 291  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 95  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 108  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 134  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 154  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 162  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 173  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 81  
EWL\_C/src/sun\_math/Single\_precision/s\_floorf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/s\_frexp.c Line: 52  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 106  
EWL\_C/src/sun\_math/Single\_precision/s\_ldexp.c Line: 39  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 103  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 110  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 113  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 122

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### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 155  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 159  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 165  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 168  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 176  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 179  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 70  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_modff.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:51  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:55  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:62  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:65  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:85  
EWL\_C/src/sun\_math/Single\_precision/s\_nextafterf.c Line:92  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_rintf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 54  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 61  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 66  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 71  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/s\_scalbnf.c Line: 85

EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 49  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 65  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 76  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 90  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 98  
EWL\_C/src/sun\_math/Single\_precision/s\_sinf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 48  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 53  
EWL\_C/src/sun\_math/Single\_precision/s\_tanf.c Line: 60  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 55  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 58  
EWL\_C/src/sun\_math/Single\_precision/s\_tanhf.c Line: 66  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 163  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 167  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 175  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 182  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 224  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 230  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 328  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 357  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 373  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 400  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 404  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 408  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 412  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 416  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 420  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 424

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/ansi\_fp.c Line: 428  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 432  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 436  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 440  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 445  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 449  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 453  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 458  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 462  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 466  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 470  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 474  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 478  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 482  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 513  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 516  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 521  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 524  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 536  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 545  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 549  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 564  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 567  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 571  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 583  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 587  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 594  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 599  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 603  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 606  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 623  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 745



EWL\_C/src/sun\_math/ansi\_fp.c Line: 754  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 781  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 806  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 812  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 815  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 924  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 953  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1059  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1125  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1132  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1308  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1313  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1319  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1322  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1402  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1405  
EWL\_C/src/sun\_math/math\_sun.c Line: 114  
EWL\_C/src/sun\_math/math\_sun.c Line: 130  
EWL\_C/src/sun\_math/math\_sun.c Line: 173  
EWL\_C/src/sun\_math/math\_sun.c Line: 189  
EWL\_C/src/sun\_math/math\_sun.c Line: 232  
EWL\_C/src/sun\_math/math\_sun.c Line: 248  
EWL\_C/src/sun\_math/math\_sun.c Line: 294  
EWL\_C/src/sun\_math/math\_sun.c Line: 310  
EWL\_C/src/sun\_math/math\_sun.c Line: 384  
EWL\_C/src/sun\_math/math\_sun.c Line: 400  
EWL\_C/src/sun\_math/math\_sun.c Line: 473  
EWL\_C/src/sun\_math/math\_sun.c Line: 489  
EWL\_C/src/sun\_math/math\_sun.c Line: 560  
EWL\_C/src/sun\_math/math\_sun.c Line: 576  
EWL\_C/src/sun\_math/math\_sun.c Line: 618  
EWL\_C/src/sun\_math/math\_sun.c Line: 634

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/math\_sun.c Line: 677  
EWL\_C/src/sun\_math/math\_sun.c Line: 693  
EWL\_C/src/sun\_math/math\_sun.c Line: 733  
EWL\_C/src/sun\_math/math\_sun.c Line: 787  
EWL\_C/src/sun\_math/math\_sun.c Line: 842  
EWL\_C/src/sun\_math/math\_sun.c Line: 1002  
EWL\_C/src/sun\_math/math\_sun.c Line: 1030  
EWL\_C/src/sun\_math/math\_sun.c Line: 1057  
EWL\_C/src/sun\_math/math\_sun.c Line: 1107  
EWL\_C/src/sun\_math/math\_sun.c Line: 1110  
EWL\_C/src/sun\_math/math\_sun.c Line: 1134  
EWL\_C/src/sun\_math/math\_sun.c Line: 1137  
EWL\_C/src/sun\_math/math\_sun.c Line: 1162  
EWL\_C/src/sun\_math/math\_sun.c Line: 1165  
EWL\_C/src/sys/uart\_console\_io.c Line: 75  
EWL\_C/src/sys/uart\_console\_io.c Line: 147  
EWL\_C/src/sys/uart\_console\_io.c Line: 153  
EWL\_C/src/time.c Line: 179  
EWL\_C/src/time.c Line: 256  
EWL\_C/src/time.c Line: 342  
EWL\_C/src/time.c Line: 422  
EWL\_C/src/time.c Line: 430  
EWL\_C/src/time.c Line: 468  
EWL\_C/src/time.c Line: 541  
EWL\_C/src/time.c Line: 558  
EWL\_C/src/time.c Line: 566  
EWL\_C/src/time.c Line: 583  
EWL\_C/src/time.c Line: 591  
EWL\_C/src/time.c Line: 612  
EWL\_C/src/time.c Line: 620  
EWL\_C/src/time.c Line: 636  
EWL\_C/src/time.c Line: 644

EWL\_C/src/time.c Line: 665  
EWL\_C/src/time.c Line: 693  
EWL\_C/src/time.c Line: 809  
EWL\_C/src/time.c Line: 838  
EWL\_C/src/time.c Line: 852  
EWL\_C/src/time.c Line: 1124  
EWL\_C/src/time.c Line: 1135  
EWL\_C/src/wchar\_io.c Line: 62  
EWL\_C/src/wchar\_io.c Line: 68  
EWL\_C/src/wchar\_io.c Line: 84  
EWL\_C/src/wchar\_io.c Line: 91  
EWL\_C/src/wchar\_io.c Line: 162  
EWL\_C/src/wchar\_io.c Line: 166  
EWL\_C/src/wchar\_io.c Line: 171  
EWL\_C/src/wchar\_io.c Line: 204  
EWL\_C/src/wchar\_io.c Line: 210  
EWL\_C/src/wchar\_io.c Line: 269  
EWL\_C/src/wchar\_io.c Line: 274  
EWL\_C/src/wchar\_io.c Line: 317  
EWL\_C/src/wchar\_io.c Line: 373  
EWL\_C/src/wchar\_io.c Line: 378  
EWL\_C/src/wchar\_io.c Line: 424  
EWL\_C/src/wcstold.c Line: 326  
EWL\_C/src/wcstold.c Line: 367  
EWL\_C/src/wcstold.c Line: 724  
EWL\_C/src/wcstold.c Line: 729  
EWL\_C/src/wcstold.c Line: 732  
EWL\_C/src/wcstold.c Line: 758  
EWL\_C/src/wcstold.c Line: 841  
EWL\_C/src/wcstold.c Line: 891  
EWL\_C/src/wctrans.c Line: 45  
EWL\_C/src/wctrans.c Line: 48

## Power Architecture

### General Exceptions

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EWL\_C/src/wctrans.c Line: 59  
EWL\_C/src/wctype.c Line: 290  
EWL\_C/src/wctype.c Line: 294  
EWL\_C/src/wctype.c Line: 298  
EWL\_C/src/wctype.c Line: 302  
EWL\_C/src/wctype.c Line: 306  
EWL\_C/src/wctype.c Line: 310  
EWL\_C/src/wctype.c Line: 314  
EWL\_C/src/wctype.c Line: 318  
EWL\_C/src/wctype.c Line: 322  
EWL\_C/src/wctype.c Line: 326  
EWL\_C/src/wctype.c Line: 330  
EWL\_C/src/wmem.c Line: 43  
EWL\_C/src/wmem.c Line: 50  
EWL\_C/src/wmem.c Line: 67  
EWL\_C/src/wmem.c Line: 74  
EWL\_C/src/wmem.c Line: 99  
EWL\_C/src/wprintf.c Line: 190  
EWL\_C/src/wprintf.c Line: 262  
EWL\_C/src/wprintf.c Line: 530  
EWL\_C/src/wprintf.c Line: 604  
EWL\_C/src/wprintf.c Line: 647  
EWL\_C/src/wprintf.c Line: 721  
EWL\_C/src/wprintf.c Line: 795  
EWL\_C/src/wprintf.c Line: 835  
EWL\_C/src/wprintf.c Line: 893  
EWL\_C/src/wprintf.c Line: 967  
EWL\_C/src/wprintf.c Line: 996  
EWL\_C/src/wprintf.c Line: 1020  
EWL\_C/src/wprintf.c Line: 1045  
EWL\_C/src/wprintf.c Line: 1216  
EWL\_C/src/wprintf.c Line: 1266

EWL\_C/src/wprintf.c Line: 1289  
EWL\_C/src/wprintf.c Line: 1363  
EWL\_C/src/wprintf.c Line: 1417  
EWL\_C/src/wprintf.c Line: 1515  
EWL\_C/src/wprintf.c Line: 1527  
EWL\_C/src/wprintf.c Line: 1715  
EWL\_C/src/wprintf.c Line: 1740  
EWL\_C/src/wprintf.c Line: 1774  
EWL\_C/src/wprintf.c Line: 1826  
EWL\_C/src/wprintf.c Line: 1830  
EWL\_C/src/wprintf.c Line: 1841  
EWL\_C/src/wprintf.c Line: 1850  
EWL\_C/src/wprintf.c Line: 1854  
EWL\_C/src/wprintf.c Line: 1863  
EWL\_C/src/wprintf.c Line: 1872  
EWL\_C/src/wprintf.c Line: 1880  
EWL\_C/src/wprintf.c Line: 1940  
EWL\_C/src/wprintf.c Line: 1969  
EWL\_C/src/wprintf.c Line: 1974  
EWL\_C/src/wprintf.c Line: 2027  
EWL\_C/src/wprintf.c Line: 2067  
EWL\_C/src/wprintf.c Line: 2072  
EWL\_C/src/wprintf.c Line: 2127  
EWL\_C/src/wprintf.c Line: 2142  
EWL\_C/src/wprintf.c Line: 2146  
EWL\_C/src/wprintf.c Line: 2181  
EWL\_C/src/wprintf.c Line: 2207  
EWL\_C/src/wprintf.c Line: 2211  
EWL\_C/src/wprintf.c Line: 2340  
EWL\_C/src/wprintf.c Line: 2361  
EWL\_C/src/wprintfformat.c Line: 191  
EWL\_C/src/wprintfformat.c Line: 274

## Power Architecture

### General Exceptions

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EWL\_C/src/wprintfformat.c Line: 577  
EWL\_C/src/wprintfformat.c Line: 670  
EWL\_C/src/wprintfformat.c Line: 720  
EWL\_C/src/wprintfformat.c Line: 808  
EWL\_C/src/wprintfformat.c Line: 890  
EWL\_C/src/wprintfformat.c Line: 933  
EWL\_C/src/wprintfformat.c Line: 999  
EWL\_C/src/wprintfformat.c Line: 1082  
EWL\_C/src/wprintfformat.c Line: 1122  
EWL\_C/src/wprintfformat.c Line: 1154  
EWL\_C/src/wprintfformat.c Line: 1186  
EWL\_C/src/wprintfformat.c Line: 1386  
EWL\_C/src/wprintfformat.c Line: 1392  
EWL\_C/src/wprintfformat.c Line: 1447  
EWL\_C/src/wprintfformat.c Line: 1455  
EWL\_C/src/wprintfformat.c Line: 1484  
EWL\_C/src/wprintfformat.c Line: 1545  
EWL\_C/src/wprintfformat.c Line: 1577  
EWL\_C/src/wprintfformat.c Line: 1663  
EWL\_C/src/wprintfformat.c Line: 1729  
EWL\_C/src/wprintfformat.c Line: 1838  
EWL\_C/src/wprintfformat.c Line: 1852  
EWL\_C/src/wprintfformat.c Line: 2066  
EWL\_C/src/wprintfformat.c Line: 2101  
EWL\_C/src/wprintfformat.c Line: 2145  
EWL\_C/src/wprintfformat.c Line: 2202  
EWL\_C/src/wprintfformat.c Line: 2206  
EWL\_C/src/wprintfformat.c Line: 2220  
EWL\_C/src/wprintfformat.c Line: 2232  
EWL\_C/src/wprintfformat.c Line: 2237  
EWL\_C/src/wprintfformat.c Line: 2248  
EWL\_C/src/wprintfformat.c Line: 2259

EWL\_C/src/wprintf.c Line: 2271  
EWL\_C/src/wscanf.c Line: 133  
EWL\_C/src/wscanf.c Line: 154  
EWL\_C/src/wscanf.c Line: 942  
EWL\_C/src/wscanf.c Line: 957  
EWL\_C/src/wscanf.c Line: 960  
EWL\_C/src/wscanf.c Line: 964  
EWL\_C/src/wscanf.c Line: 967  
EWL\_C/src/wscanf.c Line: 971  
EWL\_C/src/wscanf.c Line: 987  
EWL\_C/src/wscanf.c Line: 991  
EWL\_C/src/wscanf.c Line: 1001  
EWL\_C/src/wscanf.c Line: 1005  
EWL\_C/src/wscanf.c Line: 1009  
EWL\_C/src/wscanf.c Line: 1058  
EWL\_C/src/wscanf.c Line: 1093  
EWL\_C/src/wscanf.c Line: 1097  
EWL\_C/src/wscanf.c Line: 1142  
EWL\_C/src/wscanf.c Line: 1170  
EWL\_C/src/wscanf.c Line: 1174  
EWL\_C/src/wscanf.c Line: 1216  
EWL\_C/src/wscanf.c Line: 1231  
EWL\_C/src/wscanf.c Line: 1235  
EWL\_C/src/wscanf.c Line: 1270  
EWL\_C/src/wscanf.c Line: 1274  
EWL\_C/src/wscanf.c Line: 1296  
EWL\_C/src/wscanf.c Line: 1300  
EWL\_C/src/wscanf.c Line: 1341  
EWL\_C/src/wscanf.c Line: 1356  
EWL\_C/src/wstring.c Line: 90  
EWL\_C/src/wstring.c Line: 137  
EWL\_C/src/wstring.c Line: 145

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### General Exceptions

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EWL\_C/src/wstring.c Line: 206  
EWL\_C/src/wstring.c Line: 215  
EWL\_C/src/wstring.c Line: 221  
EWL\_C/src/wstring.c Line: 270  
EWL\_C/src/wstring.c Line: 279  
EWL\_C/src/wstring.c Line: 286  
EWL\_C/src/wstring.c Line: 352  
EWL\_C/src/wstring.c Line: 361  
EWL\_C/src/wstring.c Line: 370  
EWL\_C/src/wstring.c Line: 376  
EWL\_C/src/wstring.c Line: 400  
EWL\_C/src/wstring.c Line: 414  
EWL\_C/src/wstring.c Line: 437  
EWL\_C/src/wstring.c Line: 454  
EWL\_C/src/wstring.c Line: 478  
EWL\_C/src/wstring.c Line: 493  
EWL\_C/src/wstring.c Line: 539  
EWL\_C/src/wstring.c Line: 560  
EWL\_C/src/wstring.c Line: 580  
EWL\_C/src/wstring.c Line: 593  
EWL\_C/src/wstring.c Line: 614  
EWL\_C/src/wstring.c Line: 626  
EWL\_C/src/wstring.c Line: 721  
EWL\_C/src/wstring.c Line: 738  
EWL\_C/src/wstring.c Line: 771  
EWL\_C/src/wstring.c Line: 814  
EWL\_C/src/wstring.c Line: 828  
EWL\_C/src/wstring.c Line: 844  
EWL\_C/src/wstring.c Line: 860  
EWL\_C/src/wtime.c Line: 45  
EWL\_C/src/wtime.c Line: 58



## MISRA\_EXCEPTION\_RULE\_15\_2

This topic lists the MISRA rule for fall-through in the switch statements.

### MISRA 2004 Rule 15.2: fall-through

Used to allow fall-through in switch statements.

```
EWL_C/src/mbstring.c Line: 238
EWL_C/src/mbstring.c Line: 242
EWL_C/src/mbstring.c Line: 246
EWL_C/src/mbstring.c Line: 250
EWL_C/src/mbstring.c Line: 254
EWL_C/src/mbstring.c Line: 298
EWL_C/src/mbstring.c Line: 306
EWL_C/src/mbstring.c Line: 314
EWL_C/src/mbstring.c Line: 322
EWL_C/src/mbstring.c Line: 330
EWL_C/src/printformat.c Line: 604
EWL_C/src/printformat.c Line: 1754
EWL_C/src/printformat.c Line: 1813
EWL_C/src/sc/file_io_StarCore.c Line: 99
EWL_C/src/sc/file_io_StarCore.c Line: 101
EWL_C/src/scanformat.c Line: 1345
EWL_C/src/strtold.c Line: 315
EWL_C/src/wcstold.c Line: 284
EWL_C/src/wprintf.c Line: 434
EWL_C/src/wprintfformat.c Line: 463
EWL_C/src/wprintfformat.c Line: 1706
EWL_C/src/wscanf.c Line: 803
```

## MISRA\_EXCEPTION\_RULE\_16\_1

This topic lists the MISRA rule for variable argument lists.

## **MISRA 2004 Rule 16.1: Variable arg list**

Used to allow variable argument lists, e.g., "int printf(const char\* format, ...);".

EWL\_C/src/printf.c Line: 93  
EWL\_C/src/printf.c Line: 125  
EWL\_C/src/printf.c Line: 163  
EWL\_C/src/printf.c Line: 165  
EWL\_C/src/printf.c Line: 185  
EWL\_C/src/printf.c Line: 187  
EWL\_C/src/printf.c Line: 215  
EWL\_C/src/printf.c Line: 255  
EWL\_C/src/printf.c Line: 494  
EWL\_C/src/printf.c Line: 507  
EWL\_C/src/printf.c Line: 520  
EWL\_C/src/printf.c Line: 533  
EWL\_C/src/scanf.c Line: 131  
EWL\_C/src/scanf.c Line: 187  
EWL\_C/src/scanf.c Line: 265  
EWL\_C/src/scanf.c Line: 302  
EWL\_C/src/scanf.c Line: 349  
EWL\_C/src/scanf.c Line: 351  
EWL\_C/src/scanf.c Line: 368  
EWL\_C/src/scanf.c Line: 370  
EWL\_C/src/scanf.c Line: 495  
EWL\_C/src/scanf.c Line: 508  
EWL\_C/src/time.c Line: 654  
EWL\_C/src/wprintf.c Line: 1934  
EWL\_C/src/wprintf.c Line: 1961  
EWL\_C/src/wprintf.c Line: 2019  
EWL\_C/src/wprintf.c Line: 2058  
EWL\_C/src/wprintf.c Line: 2251  
EWL\_C/src/wprintf.c Line: 2263  
EWL\_C/src/wprintf.c Line: 2275

EWL\_C/src/wscanf.c Line: 1040  
EWL\_C/src/wscanf.c Line: 1074  
EWL\_C/src/wscanf.c Line: 1132  
EWL\_C/src/wscanf.c Line: 1158  
EWL\_C/src/wscanf.c Line: 1388  
EWL\_C/src/wscanf.c Line: 1400  
EWL\_C/src/wtime.c Line: 36

## MISRA\_EXCEPTION\_RULE\_16\_2

This topic lists the MISRA rule for calls through function pointers.

### MISRA 2004 Rule 16.2: Functions shall not call themselves, directly or indirectly

Used to allow calls through function pointers.

EWL\_C/src/abort\_exit.c Line: 95  
EWL\_C/src/arm/arith\_aeabi.c Line: 26  
EWL\_C/src/arm/errno\_aeabi.c Line: 23  
EWL\_C/src/arm/fenv\_arm.c Line: 188  
EWL\_C/src/arm/float\_exceptions.c Line: 103  
EWL\_C/src/bsearch.c Line: 28  
EWL\_C/src/buffer\_io.c Line: 199  
EWL\_C/src/file\_io.c Line: 175  
EWL\_C/src/file\_pos.c Line: 29  
EWL\_C/src/mbstring.c Line: 193  
EWL\_C/src/printformat.c Line: 1894  
EWL\_C/src/qsort.c Line: 105  
EWL\_C/src/scanformat.c Line: 537  
EWL\_C/src/secure\_error.c Line: 27  
EWL\_C/src/signal.c Line: 50  
EWL\_C/src/strtold.c Line: 256  
EWL\_C/src/strtoul.c Line: 108  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 385

EWL\_C/src/time.c Line: 791  
EWL\_C/src/wcstold.c Line: 229  
EWL\_C/src/wcstoul.c Line: 117  
EWL\_C/src/wprintf.c Line: 1475  
EWL\_C/src/wprintfformat.c Line: 1798  
EWL\_C/src/wscanf.c Line: 331  
EWL\_C/src/wtime.c Line: 59

## **MISRA\_EXCEPTION\_RULE\_16\_7**

This topic lists the MISRA rule for implementing a C std routine which could use const arguments.

### **MISRA 2004 Rule 16.7: Pointer parameter could be declared as pointing to const**

Used when implementing a C std routine which could use const arguments.

EWL\_C/src/alloc.c Line: 2458  
EWL\_C/src/alloc.c Line: 2801  
EWL\_C/src/alloc.c Line: 2880  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 93  
EWL\_C/src/coldfire/uart\_console\_io\_cf.c Line: 120  
EWL\_C/src/file\_pos.c Line: 118  
EWL\_C/src/mbstring.c Line: 634  
EWL\_C/src/mbstring.c Line: 649  
EWL\_C/src/mbstring.c Line: 683  
EWL\_C/src/misc\_io.c Line: 50  
EWL\_C/src/misc\_io.c Line: 60  
EWL\_C/src/pa/fenv.ppc.c Line: 427  
EWL\_C/src/pa/fenv.ppc.c Line: 482  
EWL\_C/src/printf.c Line: 71  
EWL\_C/src/printfformat.c Line: 242  
EWL\_C/src/sc/console\_io\_StarCore.c Line: 29  
EWL\_C/src/sc/console\_io\_StarCore.c Line: 55

EWL\_C/src/sc/console\_io\_StarCore.c Line: 80  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 167  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 198  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 227  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 312  
EWL\_C/src/scanf.c Line: 88  
EWL\_C/src/scanfformat.c Line: 1558  
EWL\_C/src/secure\_error.c Line: 68  
EWL\_C/src/secure\_error.c Line: 76  
EWL\_C/src/secure\_error.c Line: 93  
EWL\_C/src/sun\_math/Double\_precision/s\_matherr.c Line: 19  
EWL\_C/src/sys/uart\_console\_io.c Line: 57  
EWL\_C/src/sys/uart\_console\_io.c Line: 127  
EWL\_C/src/wprintf.c Line: 171  
EWL\_C/src/wprintfformat.c Line: 171  
EWL\_C/src/wscanf.c Line: 948

## **MISRA\_EXCEPTION\_RULE\_17\_3**

This topic lists the MISRA rule for pointer operations.

### **MISRA 2004 Rule 17.2 and 17.3: Pointer operations**

Used when pointer arithmetic is required, e.g. "buffer\_len = file->buffer\_ptr - file->buffer;"

EWL\_C/src/alloc.c Line: 200  
EWL\_C/src/alloc.c Line: 236  
EWL\_C/src/alloc.c Line: 259  
EWL\_C/src/alloc.c Line: 3143  
EWL\_C/src/buffer\_io.c Line: 207  
EWL\_C/src/char\_io.c Line: 407  
EWL\_C/src/direct\_io.c Line: 272  
EWL\_C/src/direct\_io.c Line: 287

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EWL\_C/src/file\_pos.c Line: 62  
EWL\_C/src/printfformat.c Line: 872  
EWL\_C/src/printfformat.c Line: 1007  
EWL\_C/src/printfformat.c Line: 1565  
EWL\_C/src/printfformat.c Line: 1777  
EWL\_C/src/printfformat.c Line: 1941  
EWL\_C/src/printfformat.c Line: 2047  
EWL\_C/src/printfformat.c Line: 2131  
EWL\_C/src/printfformat.c Line: 2174  
EWL\_C/src/printfformat.c Line: 2192  
EWL\_C/src/printfformat.c Line: 2241  
EWL\_C/src/string.c Line: 708  
EWL\_C/src/string.c Line: 712  
EWL\_C/src/string.c Line: 735  
EWL\_C/src/string.c Line: 740  
EWL\_C/src/string.c Line: 746  
EWL\_C/src/string.c Line: 896  
EWL\_C/src/string.c Line: 918  
EWL\_C/src/string.c Line: 949  
EWL\_C/src/string.c Line: 971  
EWL\_C/src/string.c Line: 1269  
EWL\_C/src/strtold.c Line: 860  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 172  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 255  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 309  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 315  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 319  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 644  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 647  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 665  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 704  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 711

EWL\_C/src/sun\_math/ansi\_fp.c Line: 721  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 728  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 936  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 960  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 965  
EWL\_C/src/time.c Line: 78  
EWL\_C/src/time.c Line: 828  
EWL\_C/src/wcstold.c Line: 799  
EWL\_C/src/wprintf.c Line: 602  
EWL\_C/src/wprintf.c Line: 719  
EWL\_C/src/wprintf.c Line: 1361  
EWL\_C/src/wprintf.c Line: 1521  
EWL\_C/src/wprintf.c Line: 1596  
EWL\_C/src/wprintf.c Line: 1659  
EWL\_C/src/wprintf.c Line: 1684  
EWL\_C/src/wprintf.c Line: 1702  
EWL\_C/src/wprintf.c Line: 1730  
EWL\_C/src/wprintf.c Line: 1755  
EWL\_C/src/wprintfformat.c Line: 667  
EWL\_C/src/wprintfformat.c Line: 805  
EWL\_C/src/wprintfformat.c Line: 1402  
EWL\_C/src/wprintfformat.c Line: 1660  
EWL\_C/src/wprintfformat.c Line: 1845  
EWL\_C/src/wprintfformat.c Line: 1936  
EWL\_C/src/wprintfformat.c Line: 2006  
EWL\_C/src/wprintfformat.c Line: 2032  
EWL\_C/src/wprintfformat.c Line: 2052  
EWL\_C/src/wprintfformat.c Line: 2086  
EWL\_C/src/wprintfformat.c Line: 2121  
EWL\_C/src/wscanf.c Line: 99  
EWL\_C/src/wstring.c Line: 98  
EWL\_C/src/wstring.c Line: 650

EWL\_C/src/wstring.c Line: 662  
EWL\_C/src/wstring.c Line: 683  
EWL\_C/src/wstring.c Line: 696  
EWL\_C/src/wtime.c Line: 119

## **MISRA\_EXCEPTION\_RULE\_19\_6**

This topic lists the MISRA rule for #undef.

### **save -e960 MISRA 2004 Rule 19.6: Use of '#undef' is discouraged**

Used when #undef has to used to control compilation.

EWL\_C/include/ansi\_parms.h Line: 456  
EWL\_C/src/arm/ctype\_aeabi.c Line: 11  
EWL\_C/src/arm/math\_ARM.c Line: 13  
EWL\_C/src/bsearch.c Line: 16  
EWL\_C/src/mbstring.c Line: 29  
EWL\_C/src/mem.c Line: 21  
EWL\_C/src/printf.c Line: 35  
EWL\_C/src/qsort.c Line: 56  
EWL\_C/src/scanf.c Line: 23  
EWL\_C/src/secure\_error.c Line: 9  
EWL\_C/src/string.c Line: 44  
EWL\_C/src/time.c Line: 30  
EWL\_C/src/wmem.c Line: 21  
EWL\_C/src/wprintf.c Line: 29  
EWL\_C/src/wscanf.c Line: 26  
EWL\_C/src/wstring.c Line: 38

## **MISRA\_EXCEPTION\_RULE\_19\_7**

This topic lists the MISRA rule for the function-like macro.



## save -e961 MISRA 2004 Rule 19.7: Function-like macro

Used when a function-like macro is defined.

EWL\_C/src/alloc.c Line: 14  
EWL\_C/src/alloc.c Line: 63  
EWL\_C/src/alloc.c Line: 1973  
EWL\_C/src/alloc.c Line: 2493  
EWL\_C/src/alloc.c Line: 2559  
EWL\_C/src/bsearch.c Line: 24  
EWL\_C/src/buffer\_io.c Line: 121  
EWL\_C/src/coldfire/fenv\_cf.c Line: 31  
EWL\_C/src/mem\_funcs.c Line: 72  
EWL\_C/src/qsort.c Line: 64  
EWL\_C/src/scanformat.c Line: 140  
EWL\_C/src/string.c Line: 816  
EWL\_C/src/strtold.c Line: 232  
EWL\_C/src/strtoul.c Line: 98  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 19  
EWL\_C/src/wcstold.c Line: 202  
EWL\_C/src/wcstoul.c Line: 107

## MISRA\_EXCEPTION\_RULE\_1\_2a

This topic lists the MISRA rule for the cast from pointer to void.

## MISRA 2004 Rule 1.2: Cast from pointer to void

Used to silence "function result not used" warnings.

EWL\_C/src/alloc.c Line: 2077  
EWL\_C/src/string.c Line: 1412  
EWL\_C/src/wprintf.c Line: 980  
EWL\_C/src/wprintf.c Line: 983  
EWL\_C/src/wprintf.c Line: 989  
EWL\_C/src/wprintf.c Line: 992

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EWL\_C/src/wprintf.c Line: 1004  
EWL\_C/src/wprintf.c Line: 1007  
EWL\_C/src/wprintf.c Line: 1013  
EWL\_C/src/wprintf.c Line: 1016  
EWL\_C/src/wprintf.c Line: 1029  
EWL\_C/src/wprintf.c Line: 1032  
EWL\_C/src/wprintf.c Line: 1038  
EWL\_C/src/wprintf.c Line: 1041  
EWL\_C/src/wprintf.c Line: 1250  
EWL\_C/src/wprintf.c Line: 1253  
EWL\_C/src/wprintf.c Line: 1259  
EWL\_C/src/wprintf.c Line: 1262  
EWL\_C/src/wprintf.c Line: 1273  
EWL\_C/src/wprintf.c Line: 1276  
EWL\_C/src/wprintf.c Line: 1282  
EWL\_C/src/wprintf.c Line: 1285  
EWL\_C/src/wprintfformat.c Line: 1099  
EWL\_C/src/wprintfformat.c Line: 1104  
EWL\_C/src/wprintfformat.c Line: 1113  
EWL\_C/src/wprintfformat.c Line: 1118  
EWL\_C/src/wprintfformat.c Line: 1131  
EWL\_C/src/wprintfformat.c Line: 1136  
EWL\_C/src/wprintfformat.c Line: 1145  
EWL\_C/src/wprintfformat.c Line: 1150  
EWL\_C/src/wprintfformat.c Line: 1163  
EWL\_C/src/wprintfformat.c Line: 1168  
EWL\_C/src/wprintfformat.c Line: 1177  
EWL\_C/src/wprintfformat.c Line: 1182  
EWL\_C/src/wprintfformat.c Line: 1522  
EWL\_C/src/wprintfformat.c Line: 1527  
EWL\_C/src/wprintfformat.c Line: 1536  
EWL\_C/src/wprintfformat.c Line: 1541

EWL\_C/src/wprintfmat.c Line: 1554  
EWL\_C/src/wprintfmat.c Line: 1559  
EWL\_C/src/wprintfmat.c Line: 1568  
EWL\_C/src/wprintfmat.c Line: 1573  
EWL\_C/src/wstring.c Line: 149  
EWL\_C/src/wstring.c Line: 213  
EWL\_C/src/wstring.c Line: 225  
EWL\_C/src/wstring.c Line: 290  
EWL\_C/src/wstring.c Line: 368  
EWL\_C/src/wstring.c Line: 380  
EWL\_C/src/wstring.c Line: 512

## MISRA\_EXCEPTION\_RULE\_1\_2b

This topic lists the MISRA rule for the more efficient copy code.

### MISRA 2004 Rule 1.2: Both sides have side effects

Used to generate more efficient copy code, e.g., "if (\*p1++ != \*p2++)".

EWL\_C/src/coldfire/fenv\_cf.c Line: 154  
EWL\_C/src/mem.c Line: 255  
EWL\_C/src/mem.c Line: 272  
EWL\_C/src/string.c Line: 553  
EWL\_C/src/string.c Line: 570  
EWL\_C/src/string.c Line: 1206  
EWL\_C/src/string.c Line: 1238  
EWL\_C/src/sun\_math/Double\_precision/s\_asinh.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 270  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 359  
EWL\_C/src/sun\_math/Single\_precision/s\_asinhf.c Line: 72  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 187  
EWL\_C/src/sun\_math/Single\_precision/s\_erff.c Line: 271  
EWL\_C/src/wstring.c Line: 397

EWL\_C/src/wstring.c Line: 411  
EWL\_C/src/wstring.c Line: 435  
EWL\_C/src/wstring.c Line: 452  
EWL\_C/src/wstring.c Line: 824  
EWL\_C/src/wstring.c Line: 856

## **MISRA\_EXCEPTION\_RULE\_1\_2c**

This topic lists the MISRA rule for the unusual pointer cast.

### **MISRA 2004 Rule 1.2: Unusual pointer cast (incompatible indirect types)**

Used in vararg handling or to generate floating point values from bit patterns.

EWL\_C/src/arm/file\_io\_aeabi.c Line: 34  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 38  
EWL\_C/src/arm/file\_io\_aeabi.c Line: 42  
EWL\_C/src/arm/math\_ARM.c Line: 48  
EWL\_C/src/math\_api.c Line: 112  
EWL\_C/src/math\_api.c Line: 122  
EWL\_C/src/math\_double.c Line: 55  
EWL\_C/src/math\_double.c Line: 58  
EWL\_C/src/math\_double.c Line: 92  
EWL\_C/src/math\_float.c Line: 63  
EWL\_C/src/math\_float.c Line: 200  
EWL\_C/src/math\_float.c Line: 203  
EWL\_C/src/math\_fma.c Line: 485  
EWL\_C/src/math\_fma.c Line: 488  
EWL\_C/src/math\_fma.c Line: 491  
EWL\_C/src/math\_fma.c Line: 779  
EWL\_C/src/math\_fma.c Line: 810  
EWL\_C/src/math\_fma.c Line: 819  
EWL\_C/src/math\_fma.c Line: 850  
EWL\_C/src/pa/math\_ppc.c Line: 151

EWL\_C/src/printf.c Line: 1954  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 92  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 89  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 135  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 821  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1001  
EWL\_C/src/sun\_math/ansi\_fp.c Line: 1047  
EWL\_C/src/wprintf.c Line: 1534  
EWL\_C/src/wprintf.c Line: 1780  
EWL\_C/src/wprintf.c Line: 1858  
EWL\_C/src/wscanf.c Line: 497  
EWL\_C/src/wscanf.c Line: 615  
EWL\_C/src/wscanf.c Line: 679  
EWL\_C/src/wscanf.c Line: 910

## **MISRA\_EXCEPTION\_RULE\_1\_2d**

This topic lists the MISRA rule for division by zero.

### **MISRA 2004 Rule 1.2: Division by zero**

Used to generate FP NaN results.

EWL\_C/src/coldfire/fenv\_cf.c Line: 155  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 101  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:209  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:225  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:232  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 78  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/s\_log1pf.c Line: 87

## **MISRA\_EXCEPTION\_RULE\_20\_11**

This topic lists the MISRA rule for `abort()`.

## **MISRA 2004 Rule 20.11: abort shall not be used**

Used when abort() has to be used.

```
EWL_C/src/arm/assert_aeabi.c Line: 50
EWL_C/src/assert.c Line: 53
EWL_C/src/sc/assert_StarCore.c Line: 12
EWL_C/src/sc/signal_StarCore.c Line: 292
EWL_C/src/secure_error.c Line: 65
EWL_C/src/signal.c Line: 79
```

## **MISRA\_EXCEPTION\_RULE\_20\_12**

This topic lists the MISRA rule for mktime().

## **MISRA 2004 Rule 20.12: mktime shall not be used**

Used when mktime() has to be used.

```
EWL_C/src/time.c Line: 339
EWL_C/src/time.c Line: 485
EWL_C/src/time.c Line: 739
EWL_C/src/time.c Line: 747
EWL_C/src/time.c Line: 772
EWL_C/src/time.c Line: 783
EWL_C/src/time.c Line: 818
EWL_C/src/time.c Line: 903
EWL_C/src/time.c Line: 917
EWL_C/src/time.c Line: 978
EWL_C/src/time.c Line: 989
EWL_C/src/time.c Line: 1003
EWL_C/src/time.c Line: 1037
EWL_C/src/time.c Line: 1047
EWL_C/src/time.c Line: 1072
EWL_C/src/time.c Line: 1080
EWL_C/src/time.c Line: 1082
```

EWL\_C/src/time.c Line: 1084

EWL\_C/src/wtime.c Line: 93

EWL\_C/src/wtime.c Line: 357

## MISRA\_EXCEPTION\_RULE\_20\_4

This topic lists the MISRA rule for `malloc()`.

### MISRA 2004 Rule 20.4: malloc shall not be used

Used when `malloc()` has to be used.

EWL\_C/src/alloc.c Line: 417

EWL\_C/src/alloc.c Line: 437

EWL\_C/src/alloc.c Line: 462

EWL\_C/src/alloc.c Line: 470

EWL\_C/src/ansi\_files.c Line: 246

EWL\_C/src/ansi\_files.c Line: 303

EWL\_C/src/buffer\_io.c Line: 266

EWL\_C/src/buffer\_io.c Line: 302

EWL\_C/src/file\_io.c Line: 200

EWL\_C/src/file\_io.c Line: 344

EWL\_C/src/file\_io.c Line: 403

EWL\_C/src/file\_io.c Line: 659

EWL\_C/src/sc/file\_io\_StarCore.c Line: 139

EWL\_C/src/sc/file\_io\_StarCore.c Line: 301

EWL\_C/src/sc/thread\_local\_data\_StarCore.c Line: 118

EWL\_C/src/string.c Line: 636

EWL\_C/src/string.c Line: 638

EWL\_C/src/string.c Line: 645

EWL\_C/src/string.c Line: 647

EWL\_C/src/string.c Line: 686

EWL\_C/src/string.c Line: 692

EWL\_C/src/string.c Line: 694

EWL\_C/src/string.c Line: 697

EWL\_C/src/string.c Line: 752

EWL\_C/src/string.c Line: 754

EWL\_C/src/string.c Line: 760

## **MISRA\_EXCEPTION\_RULE\_20\_5**

This topic lists the MISRA rule for errno.

### **MISRA 2004 Rule 20.5: errno shall not be used**

Used when errno has to be used.

EWL\_C/src/file\_pos.c Line: 50

EWL\_C/src/file\_pos.c Line: 104

EWL\_C/src/file\_pos.c Line: 178

EWL\_C/src/file\_pos.c Line: 187

EWL\_C/src/file\_pos.c Line: 230

EWL\_C/src/file\_pos.c Line: 245

EWL\_C/src/math\_double.c Line: 119

EWL\_C/src/math\_double.c Line: 243

EWL\_C/src/math\_double.c Line: 248

EWL\_C/src/math\_float.c Line: 74

EWL\_C/src/math\_float.c Line: 84

EWL\_C/src/math\_float.c Line: 157

EWL\_C/src/math\_float.c Line: 249

EWL\_C/src/math\_float.c Line: 310

EWL\_C/src/math\_float.c Line: 315

EWL\_C/src/math\_float.c Line: 320

EWL\_C/src/math\_longdouble.c Line: 53

EWL\_C/src/math\_longdouble.c Line: 58

EWL\_C/src/math\_longdouble.c Line: 87

EWL\_C/src/math\_longdouble.c Line: 113

EWL\_C/src/math\_longdouble.c Line: 117

EWL\_C/src/math\_longdouble.c Line: 177

EWL\_C/src/math\_longdouble.c Line: 182



EWL\_C/src/math\_longdouble.c Line: 187  
EWL\_C/src/math\_longdouble.c Line: 215  
EWL\_C/src/math\_longdouble.c Line: 222  
EWL\_C/src/mbstring.c Line: 622  
EWL\_C/src/misc\_io.c Line: 72  
EWL\_C/src/sc/asin\_StarCore.c Line: 105  
EWL\_C/src/sc/asin\_StarCore.c Line: 110  
EWL\_C/src/sc/asin\_StarCore.c Line: 114  
EWL\_C/src/sc/asin\_StarCore.c Line: 130  
EWL\_C/src/sc/asin\_StarCore.c Line: 135  
EWL\_C/src/sc/asin\_StarCore.c Line: 139  
EWL\_C/src/sc/atan2\_StarCore.c Line: 25  
EWL\_C/src/sc/atan2\_StarCore.c Line: 30  
EWL\_C/src/sc/atan2\_StarCore.c Line: 34  
EWL\_C/src/sc/exp\_StarCore.c Line: 32  
EWL\_C/src/sc/exp\_StarCore.c Line: 37  
EWL\_C/src/sc/exp\_StarCore.c Line: 121  
EWL\_C/src/sc/exp\_StarCore.c Line: 125  
EWL\_C/src/sc/exp\_StarCore.c Line: 140  
EWL\_C/src/sc/exp\_StarCore.c Line: 144  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 118  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 178  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 209  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 241  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 272  
EWL\_C/src/sc/file\_io\_StarCore.c Line: 377  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 28  
EWL\_C/src/sc/ldexp\_StarCore.c Line: 32  
EWL\_C/src/sc/log10\_StarCore.c Line: 33  
EWL\_C/src/sc/log10\_StarCore.c Line: 38  
EWL\_C/src/sc/log10\_StarCore.c Line: 59  
EWL\_C/src/sc/log10\_StarCore.c Line: 66

## Power Architecture

### General Exceptions

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EWL\_C/src/sc/log10\_StarCore.c Line: 76  
EWL\_C/src/sc/log10\_StarCore.c Line: 81  
EWL\_C/src/sc/log\_StarCore.c Line: 32  
EWL\_C/src/sc/log\_StarCore.c Line: 37  
EWL\_C/src/sc/log\_StarCore.c Line: 88  
EWL\_C/src/sc/log\_StarCore.c Line: 93  
EWL\_C/src/sc/log\_StarCore.c Line: 97  
EWL\_C/src/sc/log\_StarCore.c Line: 107  
EWL\_C/src/sc/log\_StarCore.c Line: 111  
EWL\_C/src/sc/math\_StarCore.c Line: 53  
EWL\_C/src/sc/math\_StarCore.c Line: 58  
EWL\_C/src/sc/math\_StarCore.c Line: 62  
EWL\_C/src/sc/math\_StarCore.c Line: 160  
EWL\_C/src/sc/math\_StarCore.c Line: 208  
EWL\_C/src/sc/math\_StarCore.c Line: 227  
EWL\_C/src/sc/math\_StarCore.c Line: 275  
EWL\_C/src/sc/math\_StarCore.c Line: 294  
EWL\_C/src/sc/math\_StarCore.c Line: 343  
EWL\_C/src/sc/pow\_StarCore.c Line: 99  
EWL\_C/src/sc/pow\_StarCore.c Line: 104  
EWL\_C/src/sc/pow\_StarCore.c Line: 108  
EWL\_C/src/sc/pow\_StarCore.c Line: 118  
EWL\_C/src/sc/pow\_StarCore.c Line: 123  
EWL\_C/src/sc/pow\_StarCore.c Line: 152  
EWL\_C/src/sc/pow\_StarCore.c Line: 156  
EWL\_C/src/sc/pow\_StarCore.c Line: 172  
EWL\_C/src/sc/pow\_StarCore.c Line: 176  
EWL\_C/src/sc/pow\_StarCore.c Line: 207  
EWL\_C/src/sc/pow\_StarCore.c Line: 211  
EWL\_C/src/sc/pow\_StarCore.c Line: 221  
EWL\_C/src/sc/pow\_StarCore.c Line: 225  
EWL\_C/src/sc/signal\_StarCore.c Line: 122

EWL\_C/src/sc/signal\_StarCore.c Line: 139  
EWL\_C/src/sc/signal\_StarCore.c Line: 152  
EWL\_C/src/sc/signal\_StarCore.c Line: 214  
EWL\_C/src/sc/sinh\_StarCore.c Line: 60  
EWL\_C/src/sc/sinh\_StarCore.c Line: 64  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 36  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 41  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 45  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 91  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 96  
EWL\_C/src/sc/sqrt\_StarCore.c Line: 100  
EWL\_C/src/sc/time\_StarCore.c Line: 60  
EWL\_C/src/signal.c Line: 33  
EWL\_C/src/strtold.c Line: 767  
EWL\_C/src/strtold.c Line: 772  
EWL\_C/src/strtold.c Line: 974  
EWL\_C/src/strtold.c Line: 999  
EWL\_C/src/strtold.c Line: 1026  
EWL\_C/src/strtoul.c Line: 273  
EWL\_C/src/strtoul.c Line: 307  
EWL\_C/src/strtoul.c Line: 316  
EWL\_C/src/strtoul.c Line: 352  
EWL\_C/src/strtoul.c Line: 538  
EWL\_C/src/strtoul.c Line: 546  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_acos.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 60  
EWL\_C/src/sun\_math/Double\_precision/e\_acosh.c Line: 65  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 95  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 100  
EWL\_C/src/sun\_math/Double\_precision/e\_asin.c Line: 105

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 97  
EWL\_C/src/sun\_math/Double\_precision/e\_atan2.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 68  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 73  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 77  
EWL\_C/src/sun\_math/Double\_precision/e\_atanh.c Line: 88  
EWL\_C/src/sun\_math/Double\_precision/e\_cosh.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 135  
EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 146  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 61  
EWL\_C/src/sun\_math/Double\_precision/e\_fmod.c Line: 66  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 235  
EWL\_C/src/sun\_math/Double\_precision/e\_lgamma\_r.c Line: 239  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 108  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 120  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 125  
EWL\_C/src/sun\_math/Double\_precision/e\_log.c Line: 130  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 85  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 90  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 102  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 107  
EWL\_C/src/sun\_math/Double\_precision/e\_log10.c Line: 112  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 136  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 141  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 148  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 172  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 177  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 272  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 277  
EWL\_C/src/sun\_math/Double\_precision/e\_pow.c Line: 282  
EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 59

EWL\_C/src/sun\_math/Double\_precision/e\_remainder.c Line: 64  
EWL\_C/src/sun\_math/Double\_precision/e\_sinh.c Line: 103  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 121  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 131  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 149  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 154  
EWL\_C/src/sun\_math/Double\_precision/e\_sqrt.c Line: 159  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 111  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 117  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 134  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 147  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 153  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 171  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 186  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 189  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 204  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 207  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 218  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 221  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 236  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 242  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 257  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 263  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 278  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 284  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 299  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 305  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 320  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 326  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 341

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 347  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 362  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 365  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 380  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 386  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 401  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 407  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 421  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 427  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 442  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 448  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 463  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 469  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 484  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 505  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 508  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 519  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 522  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 537  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 543  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 558  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 564  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 578  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 581  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 595  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 601  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 615  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 621  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 632  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 638  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 649  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 655

EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 666  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 672  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 682  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 688  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 698  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 701  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 712  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 715  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 726  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 733  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 744  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 751  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 762  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 769  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 780  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 787  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 798  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 805  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 816  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 823  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 838  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 841  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 856  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 862  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 877  
EWL\_C/src/sun\_math/Double\_precision/s\_erf.c Line: 371  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 168  
EWL\_C/src/sun\_math/Double\_precision/s\_expm1.c Line: 181  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 45  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 50  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 75  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 80

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 91  
EWL\_C/src/sun\_math/Double\_precision/s\_ilogb.c Line: 96  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 128  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 138  
EWL\_C/src/sun\_math/Double\_precision/s\_log1p.c Line: 143  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 39  
EWL\_C/src/sun\_math/Double\_precision/s\_logb.c Line: 44  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/e\_acosf.c Line: 89  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 62  
EWL\_C/src/sun\_math/Single\_precision/e\_acoshf.c Line: 67  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/e\_asinf.c Line: 92  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 80  
EWL\_C/src/sun\_math/Single\_precision/e\_atan2f.c Line: 85  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 68  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 77  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_atanhf.c Line: 93  
EWL\_C/src/sun\_math/Single\_precision/e\_coshf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 88  
EWL\_C/src/sun\_math/Single\_precision/e\_expf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/e\_fmodf.c Line: 51  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:188  
EWL\_C/src/sun\_math/Single\_precision/e\_lgammaf\_r.c Line:192  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 69  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 92



EWL\_C/src/sun\_math/Single\_precision/e\_log10f.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 73  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/e\_logf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 107  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 112  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 119  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 124  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 143  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 148  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 233  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 238  
EWL\_C/src/sun\_math/Single\_precision/e\_powf.c Line: 243  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:63  
EWL\_C/src/sun\_math/Single\_precision/e\_remainderf.c Line:68  
EWL\_C/src/sun\_math/Single\_precision/e\_sinhf.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 56  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 74  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 79  
EWL\_C/src/sun\_math/Single\_precision/e\_sqrtf.c Line: 84  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 38  
EWL\_C/src/sun\_math/Single\_precision/fmodf.c Line: 43  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 75  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 82  
EWL\_C/src/sun\_math/Single\_precision/log2f.c Line: 87  
EWL\_C/src/sun\_math/Single\_precision/s\_erfff.c Line: 283  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 91  
EWL\_C/src/sun\_math/Single\_precision/s\_expm1f.c Line: 104  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 52  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 57  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 81

## Power Architecture

### General Exceptions

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EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 86  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 97  
EWL\_C/src/sun\_math/Single\_precision/s\_ilogbf.c Line: 102  
EWL\_C/src/sun\_math/Single\_precision/s\_ldexpf.c Line: 43  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 83  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 94  
EWL\_C/src/sun\_math/Single\_precision/s\_loglpf.c Line: 99  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 49  
EWL\_C/src/sun\_math/Single\_precision/s\_logbf.c Line: 54  
EWL\_C/src/sun\_math/math\_sun.c Line: 96  
EWL\_C/src/sun\_math/math\_sun.c Line: 123  
EWL\_C/src/sun\_math/math\_sun.c Line: 127  
EWL\_C/src/sun\_math/math\_sun.c Line: 182  
EWL\_C/src/sun\_math/math\_sun.c Line: 186  
EWL\_C/src/sun\_math/math\_sun.c Line: 241  
EWL\_C/src/sun\_math/math\_sun.c Line: 245  
EWL\_C/src/sun\_math/math\_sun.c Line: 303  
EWL\_C/src/sun\_math/math\_sun.c Line: 307  
EWL\_C/src/sun\_math/math\_sun.c Line: 393  
EWL\_C/src/sun\_math/math\_sun.c Line: 397  
EWL\_C/src/sun\_math/math\_sun.c Line: 482  
EWL\_C/src/sun\_math/math\_sun.c Line: 486  
EWL\_C/src/sun\_math/math\_sun.c Line: 569  
EWL\_C/src/sun\_math/math\_sun.c Line: 573  
EWL\_C/src/sun\_math/math\_sun.c Line: 627  
EWL\_C/src/sun\_math/math\_sun.c Line: 631  
EWL\_C/src/sun\_math/math\_sun.c Line: 686  
EWL\_C/src/sun\_math/math\_sun.c Line: 690  
EWL\_C/src/wcstold.c Line: 914  
EWL\_C/src/wcstold.c Line: 939  
EWL\_C/src/wcstold.c Line: 964  
EWL\_C/src/wcstoul.c Line: 420

EWL\_C/src/wcstoul.c Line: 452  
EWL\_C/src/wcstoul.c Line: 487  
EWL\_C/src/wcstoul.c Line: 494  
EWL\_C/src/wcstoul.c Line: 531  
EWL\_C/src/wcstoul.c Line: 538

## MISRA\_EXCEPTION\_RULE\_20\_8

This topic lists the MISRA rule for raise().

### MISRA 2004 Rule 20.8: raise shall not be used

Used when raise() has to be used.

EWL\_C/src/abort\_exit.c Line: 34  
EWL\_C/src/arm/fenv\_arm.c Line: 126  
EWL\_C/src/arm/fenv\_arm.c Line: 137  
EWL\_C/src/arm/fenv\_arm.c Line: 148  
EWL\_C/src/arm/fenv\_arm.c Line: 159  
EWL\_C/src/arm/fenv\_arm.c Line: 170  
EWL\_C/src/arm/float\_exceptions.c Line: 91

## MISRA\_EXCEPTION\_RULE\_20\_9

This topic lists the MISRA rule for <stdio.h>.

### MISRA 2004 Rule 20.9: <stdio.h> shall not be used

Used when <stdio.h> has to be included.

EWL\_C/src/arm/assert\_aeabi.c Line: 20  
EWL\_C/src/assert.c Line: 24  
EWL\_C/src/math\_float.c Line: 34  
EWL\_C/src/string.c Line: 53  
EWL\_C/src/strtoul.c Line: 80  
EWL\_C/src/time.c Line: 40  
EWL\_C/src/wchar\_io.c Line: 43

EWL\_C/src/wcstoul.c Line: 88  
EWL\_C/src/wctype.c Line: 41  
EWL\_C/src/wprintf.c Line: 42  
EWL\_C/src/wprintfformat.c Line: 29  
EWL\_C/src/wscanf.c Line: 38  
EWL\_C/src/wstring.c Line: 47  
EWL\_C/src/wtime.c Line: 28

## **MISRA\_EXCEPTION\_RULE\_9\_1**

This topic lists the MISRA rule for the possible uninitialized symbol.

### **MISRA 2004 Rule 9.1: Possible uninitialized symbol**

Used when the symbol usage is consistent with its initialization.

EWL\_C/src/sun\_math/Double\_precision/e\_exp.c Line: 182  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 191  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 204  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 223  
EWL\_C/src/sun\_math/Double\_precision/k\_rem\_pio2.c Line: 322  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line: 96  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:108  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:123  
EWL\_C/src/sun\_math/Single\_precision/k\_rem\_pio2f.c Line:220

## **MISRA\_EXCEPTION\_STDARG\_MACROS**

This topic lists the MISRA rule for the macro `__va_start`.

### **macro( (826) , \_\_va\_start) -emacro(923 926 928 970, \_\_va\_start)**

Used to implement `__va_start`

- \* Suspicious pointer-to-pointer conversion
- \* MISRA 2004 Rule 11.3: Cast pointer/non-pointer

- \* MISRA 2004 Rule 11.4: Cast from pointer to pointer
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef
  - EWL\_C/include/ansi\_parms.h Line: 462
  - EWL\_C/include/arm/stdarg.ARM.h Line: 16
  - EWL\_C/include/coldfire/stdarg.cf.h Line: 20

## MISRA\_EXCEPTION\_STDIO\_MACROS

This topic lists the MISRA rule for the `__getc` and `__putc` macros.

### macro(929 960 970, `__getc`, `__putc`)

Used to implement `__getc` and `__putc` macros.

- \* MISRA 2004 Rule 11.4: Cast from pointer to pointer
- \* MISRA 2004 Rule 10.1: Cast/conversion of complex integer expression
- \* MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef
  - EWL\_C/include/ansi\_parms.h Line: 459
  - EWL\_C/include/stdio\_api.h Line: 64

## MISRA\_EXCEPTION\_STD\_TYPE

This topic lists the MISRA rule for the use of modifier or type outside of a typedef.

### MISRA 2004 Rule 6.3: Use of modifier or type outside of a typedef

Used when standard types/qualifiers have to used in headers.

- EWL\_C/include/ansi\_parms.h Line: 455
- EWL\_C/src/wscanf.c Line: 77
- EWL\_C/src/wscanf.c Line: 79

## MISRA\_RESTORE

This topic lists the MISRA rule for the restore saved options.

### restore

Used to restore saved options

## Power Architecture

### General Exceptions

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EWL\_C/include/ansi\_parms.h Line: 463  
EWL\_C/src/alloc.c Line: 17  
EWL\_C/src/alloc.c Line: 65  
EWL\_C/src/alloc.c Line: 2025  
EWL\_C/src/alloc.c Line: 2505  
EWL\_C/src/alloc.c Line: 2565  
EWL\_C/src/bsearch.c Line: 18  
EWL\_C/src/bsearch.c Line: 26  
EWL\_C/src/buffer\_io.c Line: 124  
EWL\_C/src/coldfire/fenv\_cf.c Line: 36  
EWL\_C/src/mbstring.c Line: 31  
EWL\_C/src/mem.c Line: 23  
EWL\_C/src/mem\_funcs.c Line: 78  
EWL\_C/src/printf.c Line: 37  
EWL\_C/src/qsort.c Line: 58  
EWL\_C/src/qsort.c Line: 103  
EWL\_C/src/scanf.c Line: 25  
EWL\_C/src/scanformat.c Line: 143  
EWL\_C/src/secure\_error.c Line: 11  
EWL\_C/src/string.c Line: 46  
EWL\_C/src/string.c Line: 819  
EWL\_C/src/strtold.c Line: 254  
EWL\_C/src/strtoul.c Line: 106  
EWL\_C/src/sun\_math/Double\_precision/k\_standard.c Line: 32  
EWL\_C/src/time.c Line: 32  
EWL\_C/src/wcstold.c Line: 226  
EWL\_C/src/wcstoul.c Line: 115  
EWL\_C/src/wmem.c Line: 23  
EWL\_C/src/wprintf.c Line: 31  
EWL\_C/src/wscanf.c Line: 28  
EWL\_C/src/wstring.c Line: 40