Debug - TWR64/Project_Settings/Startup_Code/startup_MK64F12.S - Kinetis Design Studio - J:\Freescale_Kinetis\workspace.kds

File Edit Navigate Search Project Processor Expert Run Window Help

Quick Access | C/C++ | Debug

C/C++ Projects

- hello_world_twrk64f120m
- ksdk_platform_lib_K64F12
- S5016_a
- TWR64
  - Binaries
    - TWR64.elf - [arm/le]
  - Includes
  - Debug
  - Project_Settings
    - Debugger
    - Linker_Files
    - Startup_Code
  - SDK
  - Sources
    - board.h
    - fsl_clock_manager.c
    - fsl_clock_manager.h
    - fsl_clock_MK64F12.h
    - fsl_debug_console.h
    - fsl_gpio_common.c
    - fsl_gpio_driver.c
    - fsl_gpio_driver.h
    - fsl_gpio_hal.c
    - fsl_gpio_hal.h
    - fsl_interrupt_manager.c
    - fsl_interrupt_manager.h
    - fsl_mcg_hal_modes.h
    - fsl_mcg_hal.h
    - fsl_os_abstraction_bm.h
    - fsl_os_abstraction.h
    - fsl_port_hal.h
    - fsl_sim_hal_MK64F12.h
    - fsl_sim_hal.h
    - gpio_pins.c
    - gpio_pins.h
    - hardware_init.c
    - main.c
    - pin_mux.c
    - pin_mux.h
  - build.log
  - debug.log

Debug

- TWR64_Debug_Segger [GDB SEGGER J-Link Debugging]
  - TWR64.elf
    - Thread [1] <main> (Suspended : User Request)
      - Reset_Handler() at startup_MK64F12.S:328 0x530
  - JLinkGDBServerCL
  - arm-none-eabi-gdb
  - Semihosting and SWV

Variables | Breakpoints | Registers | Modules

Name	Value	Description
General Registers		General Purpose and FPU ...

main.c | deregister_tm_clones() at 0x576 | startup_MK64F12.S

```
    .globl   Reset_Handler
    .weak    Reset_Handler
    .type    Reset_Handler, %function
Reset_Handler:
    cpsid   i               /* Mask interrupts */
    ldr r0, =_NVIC_ICER0    /* Disable interrupts and clear pending
    ldr r1, =_NVIC_ICPR0
    ldr r2, =0xFFFFFFFF
    mov r3, #8
_irq_clear:
    cbz r3, _irq_clear_end
    str r2, [r0], #4        /* NVIC_ICERx - clear enable IRQ registe
    str r2, [r1], #4        /* NVIC_ICPRx - clear pending IRQ regist
    sub r3, r3, #1
    b _irq_clear
```

Disassembly

Enter location here

```
                Reset_Handler:
00000530:       cpsid i
329               ldr r0, =_NVIC_ICER0    /* Disable inter
00000532:       ldr r0, [pc, #40]       ; (0x55c <_irq_cle
330               ldr r1, =_NVIC_ICPR0
00000534:       ldr r1, [pc, #40]       ; (0x560 <_irq_cle
331               ldr r2, =0xFFFFFFFF
00000536:       ldr r2, [pc, #44]       ; (0x564 <_irq_cle
332               mov r3, #8
00000538:       mov.w r3, #8
334               cbz r3, _irq_clear_end
0000053c:       cbz r3, 0x54e <_irq_clear_end>
335               str r2, [r0], #4        /* NVIC_ICERx -
```

Console | Tasks | Problems | Executables | Memory | Search

Monitors: 0x530

0x530 : 0x530 <Hex> | New Renderings...

Address	0 - 3	4 - 7	8 - B	C - F
00000530	72B60A48	0A490B4A	4FF00803	3BB140F8
00000540	042B41F8	042BA3F1	0103FFF7	F7BF00F0
00000550	AFF900F0	2FF962B6	FFF772FF	80E100E0
00000560	80E200E0	FFFFFFFF	FFF7FFBF	08B50448
00000570	044B1B1A	062B02D9	0558	984708BD