

Code disassembly:

```
DISASSEMBLY OF: '.text' FROM 2736 TO 276
Opening source file 'C:\Users\Edward\Doc
5: void a(void)
a:
00000000 05          RTS
00000001 00          BGND
00000002 00          BGND
00000003 00          BGND
10: void b(void)
b:          DWORD aligned
00000004 05          RTS
00000005 00          BGND
00000006 00          BGND
00000007 00          BGND
15: void c(void)
c:          DWORD aligned
00000008 05          RTS
00000009 00          BGND
0000000A 00          BGND
0000000B 00          BGND
21: void main(void) {
main:
0000000C CFEF          CLT
```

Map file:

```
-----
MODULE:          -- main_c.obj --
- PROCEDURES:
    a             FD0059      1      1      1      .text
    c             FD005A      1      1      1      .text
    main          FD005B     12     18      1      .text
- VARIABLES:
```

Force alignment using PRM:

```
/* non-paged FLASHs */
ROM          = READ_ONLY 0xFD0000 TO 0xFFFFDFF ALIGN 4;
/* VECTORS    = READ_ONLY 0xFFFFE00 TO 0xFFFFE00: 16K
```

Result of alignment:

```
-----  
MODULE:                -- main_c.obj --  
- PROCEDURES:  
    a                   FD0060      1      1      1      .text  
    c                   FD0064      1      1      1      .text  
    main                FD0068      12     18      1      .text  
- VARIABLES:
```

DWORD aligned

But this causes L4119 warnings for const data objects:

```
const char constdata[] = "abcde";
```

```
Reading file C:/Freescale/CDN/NOO_V11.1/NOO/S2215A_support/S2215AC/119_small/ansi1.lib  
WARNING L4119: Linker align value 4 is overwritten by its compiler align value 4 for object constdata  
Generating Symbol table
```