

CoertexM3FreeRTOS - CrossStudio for ARM

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References

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main.c portable.h FreeRTOSConfig.h heap_2.c port.c task.h FreeRTOS.h tasks.c stack_macros.h heap_4.c atomic.h croutine.h event_groups.h message_buffer.h semphr.h timers.h hooks.h hooks.h m3TaskGroup.c m3TaskGroup.h portmacro.h timers.c system_sam.c peripherals.h

```
40 ((Pio *)0x400E100U),
41 ((Pio *)0x400E1200U),
42 ((Pio *)0x400E1400U)
43 };
44
45 /*****
46
47 void main(void)
48 {
49 /*****
50
51 // Switch on peripheral block 'B' to enable LED 'L'
52 peripheralControlBlock->PMC_PCER0 = (1 << ID_PIOB);
53
54 // Switch on the LED
55 peripheralLineControlBlock_p[PERIPHERAL_LINE_GROUP_B]->PIO_PER = PIO_PER_P27;
56
57 // Pull-up the control line
58 peripheralLineControlBlock_p[PERIPHERAL_LINE_GROUP_B]->PIO_PUER = PIO_PUER_P27;
59
60 // Switch on the output
61 peripheralLineControlBlock_p[PERIPHERAL_LINE_GROUP_B]->PIO_OER = PIO_OER_P27;
```

Output

Show: Transcript Output

Building 'CoertexM3FreeRTOS' from solution 'CoertexM3FreeRTOS' in configuration 'THUMB Flash Debug'

```
2> Compiling 'system_sam.c'
1> Compiling 'heap_4.c'
3> Compiling 'port.c'
1> Compiling 'croutine.c'
3> Compiling 'event_groups.c'
2> Compiling 'list.c'
1> Compiling 'queue.c'
2> Compiling 'stream_buffer.c'
3> Compiling 'tasks.c'
1> Compiling 'timers.c'
2> Compiling 'hooks.c'
3> Compiling 'm3TaskGroup.c'
2> Compiling 'main.c'
1> Assembling 'SAM_Startup.s'
3> Assembling 'thumb_crt0.s'
1> Generating linker script 'CoertexM3FreeRTOS.ld'
1> Linking CoertexM3FreeRTOS.elf
Build complete

Project Explorer



THUMB Flash Debug



| Project Items                    | Code   | Data+RO |
|----------------------------------|--------|---------|
| task.h                           |        |         |
| timers.h                         |        |         |
| portable 3 files                 | [2.1K] | [40.0K] |
| MemMang 1                        | [1.1K] | [40.0K] |
| heap_4.c                         | 1.1K   | 40.0K   |
| port.c                           | 996    | 13      |
| portmacro.h                      |        |         |
| croutine.c                       |        |         |
| event_groups.c                   | 1.4K   |         |
| list.c                           | 310    |         |
| queue.c                          | 4.8K   |         |
| stream_buffer.c                  | 3.1K   |         |
| tasks.c                          | 10.1K  | 269     |
| timers.c                         | 2.0K   | 68      |
| Include Files 3 files            |        |         |
| hooks.h                          |        |         |
| m3TaskGroup.h                    |        |         |
| peripherals.h                    |        |         |
| Source Files 3 files, modified p | [508]  | [208]   |
| Folder Properties                |        |         |
| hooks.c                          | 136    | 16      |
| m3TaskGroup.c                    | 156    | 78      |
| main.c                           | 216    | 114     |
| System Files 3 files             | [774]  | [4]     |
| SAM_Startup.s                    | 416    |         |
| SAM_Targetjs modified p          |        |         |
| thumb_crt0.s                     | 358    |         |
| Output Files                     |        |         |



Source Navigator



Search Symbols



Functions 235 functions



- __CLREX 0
- __CLZ (uint32_t)
- __disable_fault_irq 0
- __disable_irq 0
- __DMB 0



Properties Window



Search Properties



THUMB RAM Release



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```