Projects

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Kit Window | Start Page | Project Graph | btl.ld

Source | History

```
58
59  /* Bootloader size is calculated with below criteria with optimization level -O2
60   * bootloader size = Minimum Flash Erase Size Or actual bootloader ELF size
61                       (Rounded of to nearest erase boundary) whichever is
62                       greater.
63   */
64  #define ROM_SIZE  8192
65
66  #if (ROM_SIZE > 1048576)
67      #  error ROM_SIZE is greater than the max size of 1048576
68  #endif
69
70  /* Bootloader Trigger pattern of length 16 Bytes needs to be stored
71   * from starting of Ram by the application if it wants to
72   * run bootloader at startup without any external trigger.
73   * Example:
74   *     ram[0] = 0x5048434D;
75   *     ram[1] = 0x5048434D;
76   *     ....
77   *     ram[n] = 0x5048434D;
78   */
79  #define RAM_START (0x20000000 + 16)
80
81  #define RAM_SIZE  (0x40000 - 16)
82
83  #if (RAM_SIZE > 0x40000)
84      #  error RAM_SIZE is greater than the max size of 0x40000
85  #endif
86
87
88  /*****************************************************************************
89   * Memory-Region Definitions
90   * The MEMORY command describes the location and size of blocks of memory
91   * on the target device. The command below uses the macros defined above.
92   *****************************************************************************/
93  MEMORY
94  {
95    rom (rx) : ORIGIN = ROM_START, LENGTH = ROM_SIZE
96    ram (rwx) : ORIGIN = RAM_START, LENGTH = RAM_SIZE
97  }
98
```