```
#define
#define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #define
#define
#define
                                                                                                                                                                                                                                                                                                                                             //Define the configuration of the SDRAM
#define SDRAM_MODE_REGISTER 0x0027 //CAS 2
  #define
                 #define
                                    #define
                                                    #define
                                                                      #define
                                                                                        #define
                                                                                                          #define
                                                                                                                            #define
                                                                                                                                                                                                                                                                                                                                                                                                                                       #define XCORE_TIMER_TICKS_PER_MS 100000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Define the geometry of the SDRAM
                                                                                                                                                                                                                                                                                                            ctrl word
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This header is SDRAM specific. It configures the geometry defines and the configuration, including the control words.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SDRAM_WORDS_PER_ROW (SDRAM_ROW_LENGTH_COLS/(32/SDRAM_BITS_PER_COL))
SDRAM_ROW_COUNT (2048)
SDRAM_BANK_COUNT 2
                                                                                                                                                                                                                                                                                                                                                                                                  SDRAM_REFRESH_CYCLES 2048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SDRAM_ROW_WORDS SDRAM_WORDS_PER_ROW
CTRL_LOAD_MODEREG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SDRAM_ROW_LENGTH (256)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SDRAM_COL_BITS (16)
                                                    CTRL_BURST_TERMINATE
                                                                      CTRL_READ
                                                                                                          CTRL_ACTIVE
                                                                                                                          CTRL_NOP
                                                                                                                                                                                                                                                                                                                                                                                                                    SDRAM_REFRESH_MS 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SDRAM_ROW_LENGTH_COLS SDRAM_ROW_LENGTH
                 CTRL_PRECHARGE
                                 CTRL_REFRESH
                                                                                       CTRL_WRITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SDRAM_BITS_PER_COL SDRAM_COL_BITS
                                 2 X
                                                                      0XA
                                                                                        0x6
0x6
                 0x4
                                                                                                                                                                                                                                                                                                                                                                                                   //the count of refreshes per SDRAM_REFRESH_MS milliseconds
                                                                                                                                                                                                                                                        READ
                                                                                                                                                                                                                                                       TERW
                                                                                                                                                                                                                                                                         BURS
                                                                                                                                                                                                                                                       REFRESH PRECHARGE MODEREG
                                                                                                                                                                                                                                                                         LOAD
```

#endif

#ifndef \_sdram\_configuration\_h\_
#define \_sdram\_configuration\_h\_