```
    USE_REVB_PCB = 1                    ;Enable to support Rev B motherboa
                                        ;This code can be removed when the

    USE_CMD_DISP = 1                    ;Enable to used CmdLine features t
                                        ;Disable to use simple character d

    USE_IM2 = 0                         ;Enable if using Interrupt Mode (I

;-------------------------------------------------------------------------
;The following compile options should normally only be enabled when everyt
;to run properly.  These features provide debugging assistance with NO rel
;-------------------------------------------------------------------------

    USE_PU_LED_CODES = 0                ;Enable extra LED codes for debugg

    USE_OSIF_LED_CODES = 0              ;Enable extra LED codes for debugg

    SUPPORT_BREAKPOINTS = 0             ;Enable to compile in Breakpoint s

    SHOW_RAM_LOCATION_WITHOUT_CALLS = 0 ;Enable to display XXXXYYYY for RA
                                        ;(should only be enabled when noth

;-------------------------------------------------------------------------
;The following compile options should normally be enabled, but can be disa
;-------------------------------------------------------------------------

    SUPPORT_HARD_DISK = 1


;-------------------------------------------------------------
;
; Motherboard built-in ports
;
;-------------------------------------------------------------


.if USE_REVB_PCB
    DISPPORT = 0x9d                     ;Video display port address (Write
    SWITCHPORT = 0x9c                   ;DIP switch port (Read Only)
    LEDPORT = 0x9c                      ;LED display port (Write Only - '1
.else
    DISPPORT = 0xff                     ;Video display port address (Write
    SWITCHPORT = 0xff                   ;DIP switch port (Read Only)
    LEDPORT = 0xfe                      ;LED display port (Write Only - '0
```

```
.endif

    ;---------------------------------------
    ; Display port related
    ;---------------------------------------

        DISPCHARS = 64                      ;chars/line
        DISPLINES = 16                      ;lines/display
        DISPHOME = 0x7f                     ;'home' command
        DISPWRBIT = 0x80                    ;D7 needs to be strobed high t
                                            ;  to be written to the video
; led port related
        LED_RESET   = ~0x01                 ;Reset state
        LED_NORAM   = ~0x02                 ;No RAM found state
        LED_RAM     = ~0x03                 ;RAM found state
.if USE_PU_LED_CODES
        LEDIMONITOR = ~0x04                 ;About to call InitMonitor
        LEDBOOTMSG = ~0x05                  ;About to display boot message
        LEDRAMMSG = ~0x06                   ;About to display RAM message
        LEDRAMSTART = ~0x07                 ;About to display start of RAM
        LEDRAMSPACE = ~0x08                 ;About to display space betwee
        LEDRAMEND = ~0x09                   ;About to display end of RAM a
        LEDRAMNL = ~0x0a                    ;About to display new line aft
        LEDMAINLOOP = ~0x0b                 ;Power up done, jumping to mai

        LEDMLINIT = ~0x0c                   ;Main loop initialization entr
        LEDMLDEDONE = ~0x0d                 ;Main loop initialization - de
        LEDMLBFFCNS = ~0x0e                 ;Main loop about to call main
        LEDMLFCNDONE = ~0x0f                ;Main loop done processing mai

        LEDMONI1 = ~0x10                    ;Monitor init - about to displ
        LEDMONI2 = ~0x11                    ;Monitor init - initial prompt
        LEDMONL1 = ~0x12                    ;Monitor loop - about to check
        LEDMONL2 = ~0x13                    ;Monitor loop - key pressed ca
        LEDMONL3 = ~0x14                    ;Monitor loop - ParseCmds comp
        LEDMONL4 = ~0x15                    ;Monitor loop - new line and p
        LEDMONL5 = ~0x16                    ;Monitor loop - exiting monito

        LEDCLI1 = ~0x20                     ;Command Line Init - about to
        LEDCLI2 = ~0x21                     ;Command Line Init - about to
        LEDCLI3 = ~0x22                     ;Command Line Init - complete
        LEDCLU1 = ~0x23                     ;Command Line DispUpdate - abo
        LEDCLU2 = ~0x24                     ;Command Line DispUpdate - buf
        LEDCLU3 = ~0x25                     ;Command Line DispUpdate - scr
        LEDCLU4 = ~0x26                     ;Command Line DispUpdate - cur
```

```
.endif

.if USE_OSIF_LED_CODES
        LEDOS1 = ~0x30                  ;OS I/F RST 08 entry
        LEDOS2 = ~0x31                  ;OS I/F RST 08 'c' reg paramet
        LEDOS3 = ~0x32                  ;OS I/F function invoked - Get
        LEDOS4 = ~0x33                  ;OS I/F function invoked - Get
        LEDOS5 = ~0x34                  ;OS I/F function invoked - Get
        LEDOS6 = ~0x35                  ;OS I/F function invoked - Cle
        LEDOS7 = ~0x36                  ;OS I/F function invoked - Hom
        LEDOS8 = ~0x37                  ;OS I/F function invoked - Cur
        LEDOS9 = ~0x38                  ;OS I/F function invoked - Cur
        LEDOSa = ~0x39                  ;OS I/F function invoked - Ena
        LEDOSb = ~0x3a                  ;OS I/F function invoked - Dis
        LEDOSc = ~0x3b                  ;OS I/F function invoked - Dis
        LEDOSd = ~0x3c                  ;OS I/F function invoked - Dis
        LEDOSe = ~0x3d                  ;OS I/F function invoked - New
        LEDOSf = ~0x3e                  ;OS I/F function invoked - Set
.endif


;---------------------------------------
; switch port related
;---------------------------------------
        SW_MONITOR_ENABLED = 0x01       ;ROM monitor enabled if switch
        SW_BRKPT_ENABLED = 0x02         ;breakpoint feature enabled if

;-------------------------------------------------------------
;
; Motherboard expansion ports
;
;-------------------------------------------------------------

; Expansion Board Base Addresses
Exp0Base = 0x80
Exp1Base = 0x84
Exp2Base = 0x88
Exp3Base = 0x8c
Exp4Base = 0x90
Exp5Base = 0x94
Exp6Base = 0x98     ; NOT POPULATED
MBBase = 0x9c
```

```
NumExpPorts = 6


    ;-------------------------------------------------------------
    ;
    ; Register Configuration
    ;
    ;-------------------------------------------------------------


    ; Expansion Board Register Offsets
    ExpCmdOffset     = 0x00  ; Command register offset
    ExpDataOffset    = 0x01  ; Data register offset
    ExpXOffset       = 0x02  ; to be defined
    ExpIDOffset      = 0x03  ; ID register
        ;Expansion Feature Codes
        ExpIDKybd           = 0xa0
            ;reg ExpXOffset is a 7.983mS free running 8 bit readable count
        ExpIDHD             = 0xa1
            HDCMDRS = 0xa3                      ;hard disk read sector com
                                                ;  then 1 sector of data i
            HDCMDWS = 0xa4                      ;hard disk write sector co
                                                ;  then 1 sector of data i


            HDCMDGS = 0xa6                      ;hard disk get status comm
                HDCMDGSL = 6                    ;  expect 6 bytes of data
```