

## Table Read Protection Block 0:

EBTR0 = ON	Enabled
EBTR0 = OFF	Disabled

## Table Read Protection Block 1:

EBTR1 = ON	Enabled
EBTR1 = OFF	Disabled

## Table Read Protection Block 2:

EBTR2 = ON	Enabled
EBTR2 = OFF	Disabled

## Table Read Protection Block 3:

EBTR3 = ON	Enabled
EBTR3 = OFF	Disabled

## Boot Block Table Read Protection:

EBTRB = ON	Enabled
EBTRB = OFF	Disabled

## PIC18F4680

## Oscillator Selection bits:

OSC = LP	LP
OSC = XT	XT
OSC = HS	HS
OSC = RC	External RC with OSC2 as divide by 4 clock out
OSC = EC	EC with OSC2 as divide by 4 clock out
OSC = ECIO	EC with OSC2 as RA6
OSC = HSPLL	HS with HW enabled 4xPLL
OSC = RCIO	External RC with OSC2 as RA6
OSC = IRCIO67	Internal RC with OSC2 as RA6 and OSC1 as RA7
OSC = IRCIO7	Internal RC with OSC1 as RA7 and OSC2 as divide by 4 clock out
OSC = ERC1	External RC with OSC2 as divide by 4 clock out
OSC = ERC	External RC with OSC2 as divide by 4 clock out

## Fail-Safe Clock Monitor:

FCMENB = OFF	Disabled
FCMENB = ON	Enabled

## Internal External Osc. Switch:

IESOB = OFF	Disabled
IESOB = ON	Enabled

## Power-up Timer:

PWRT = ON	Enabled
PWRT = OFF	Disabled

**Brown-out Reset:**

BOR = OFF	Disabled
BOR = SBORENCTRL	Controlled by SBOREN
BOR = BOACTIVE	Enabled whenever Part is Active - SBOREN Disabled
BOR = BOHW	Enabled in HW, SBOREN Disabled

**Brown-out Voltage:**

BORV = 45	4.5V
BORV = 42	4.2V
BORV = 27	2.7V
BORV = 20	2.0V

**Watchdog Timer:**

WDT = OFF	HW Disabled - SW Controlled
WDT = ON	HW Enabled - SW Disabled

**Watchdog Postscaler:**

WDTPS = 1	1:1
WDTPS = 2	1:2
WDTPS = 4	1:4
WDTPS = 8	1:8
WDTPS = 16	1:16
WDTPS = 32	1:32
WDTPS = 64	1:64
WDTPS = 128	1:128
WDTPS = 256	1:256
WDTPS = 512	1:512
WDTPS = 1024	1:1024
WDTPS = 2048	1:2048
WDTPS = 4096	1:4096
WDTPS = 8192	1:8192
WDTPS = 16384	1:16384
WDTPS = 32768	1:32768

**MCLR Enable:**

MCLRE = OFF	Disabled
MCLRE = ON	Enabled

**Low Power Timer1 Oscillator:**

LPT1OSC = OFF	Timer1 Low Power Oscillator Disabled
LPT1OSC = ON	Timer1 Low Power Oscillator Active

**PORTB Pins Configured for A/D:**

PBADEN = OFF	PORTB<4> and PORTB<1:0> Configured as Digital I/O Pins on Reset
PBADEN = ON	PORTB<4> and PORTB<1:0> Configured as Analog Pins on Reset

## BackGround Debug:

DEBUG = ON	Enabled
DEBUG = OFF	Disabled

## Enhanced Instruction Set CPU:

XINST = OFF	Disabled
XINST = ON	Enabled

## Boot Block Size:

BBSIZ = 1024	1K words (2K bytes) Boot Block
BBSIZ = 2048	2K words (4K bytes) Boot Block
BBSIZ = 4096	4K words (8K bytes) Boot Block

## Low Voltage Programming:

LVP = OFF	Disabled
LVP = ON	Enabled

## Stack Overflow/Underflow Reset:

STVREN = OFF	Disabled
STVREN = ON	Enabled

## Code Protection Block 0:

CP0 = ON	Enabled
CP0 = OFF	Disabled

## Code Protection Block 1:

CP1 = ON	Enabled
CP1 = OFF	Disabled

## Code Protection Block 2:

CP2 = ON	Enabled
CP2 = OFF	Disabled

## Code Protection Block 3:

CP3 = ON	Enabled
CP3 = OFF	Disabled

## Boot Block Code Protection:

CPB = ON	Enabled
CPB = OFF	Disabled

## Data EEPROM Code Protection:

CPD = ON	Enabled
CPD = OFF	Disabled

## Write Protection Block 0:

WRT0 = ON	Enabled
WRT0 = OFF	Disabled

## Write Protection Block 1:

WRT1 = ON	Enabled
WRT1 = OFF	Disabled

## Write Protection Block 2:

WRT2 = ON	Enabled
WRT2 = OFF	Disabled

## Write Protection Block 3:

WRT3 = ON	Enabled
WRT3 = OFF	Disabled

## Boot Block Write Protection:

WRTB = ON	Enabled
WRTB = OFF	Disabled

## Configuration Register Write Protection:

WRTC = ON	Enabled
WRTC = OFF	Disabled

## Data EEPROM Write Protection:

WRTD = ON	Enabled
WRTD = OFF	Disabled

## Table Read Protection Block 0:

EBTR0 = ON	Enabled
EBTR0 = OFF	Disabled

## Table Read Protection Block 1:

EBTR1 = ON	Enabled
EBTR1 = OFF	Disabled

## Table Read Protection Block 2:

EBTR2 = ON	Enabled
EBTR2 = OFF	Disabled

## Table Read Protection Block 3:

EBTR3 = ON	Enabled
EBTR3 = OFF	Disabled

## Boot Block Table Read Protection:

EBTRB = ON	Enabled
EBTRB = OFF	Disabled