

PIC Assembly Language Commands

Mnemonic

Arguments

Name

Notes

ADDLW

Add Literal to W

ADDWF

Add W to file

ANDLW

And Literal with W

ANDWF

And W with file

BCF

Clear a bit from file

BSF

Set a bit in file

BTFSC

Test bit in file, skip next if clear (0)

BTFSS

Test bit in file, skip next if set (1)

CALL

Call subroutine

CLRF

Set file to 0

CLRW

Set W to 0

CLRWDT

Clear watchdog timer

COMF

Complement (Invert) file

DECF

Decrement file

DECFSZ

Decrement file, skip next if zero

GOTO

Goto line number

INCF

Increment file

INCFSZ

Increment file, skip next if zero

IORLW

(Inclusive) OR literal with W

IORWF

(Inclusive) OR W with file

MOVLW

Move literal to W

MOVF

Move file to W

MOVWF

Move W to file

NOP

-

No operation

Do nothing

OPTION

-

Copies W into Option register

To be discontinued

RETFIE

-

Return from handling interrupt

RETLW

K

Return with a literal in W

RETURN

-

Return from subroutine

RLF

F

Rotate a file left

RRF

F

Rotate a file right

SLEEP

-

Enter 'sleep' mode

SUBLW

K

Subtract literal from W

SUBWF

F

Subtract W from file

SWAPF

F,F

Swap 2 files

TRIS

Configure ports as I/O

To be discontinued

XORLW

(Exclusive) OR literal with W

XORWF

(Exclusive) OR W with file