

# PIC18Fxxx Instruction Set

## Byte-oriented File Register Operations

- [ADDWF](#) — Add WREG to f
- [ADDWFC](#) — Add WREG and Carry bit to f
- [ANDWF](#) — AND WREG with f
- [CLRF](#) — Clear f
- [COMF](#) — Complement f
- [CPFSEQ](#) — Compare f with WREG, skip =
- [CPFSGT](#) — Compare f with WREG, skip if >
- [CPFSLT](#) — Compare f with WREG, skip if <
- [DECF](#) — Decrement f
- [DECFSZ](#) — Decrement f, Skip if 0
- [DCFSNZ](#) — Decrement f, Skip if Not 0
- [INCF](#) — Increment f
- [INCFSZ](#) — Increment f, Skip if 0
- [INFSNZ](#) — Increment f, Skip if Not 0
- [IORWF](#) — Inclusive OR WREG with f
- [MOVF](#) — Move f
- [MOVFF](#) — Move fs (source) to fd (destination)
- [MOVWF](#) — Move WREG to f
- [MULWF](#) — Multiply WREG with f
- [NEGF](#) — Negate f
- [RLCF](#) — Rotate Left f through Carry
- [RLNCF](#) — Rotate Left f (No Carry)
- [RRCF](#) — Rotate Right f through Carry
- [RRNCF](#) — Rotate Right f (No Carry)
- [SETF](#) — Set f
- [SUBFWB](#) — Subtract f from WREG with borrow
- [SUBWF](#) — Subtract WREG from f
- [SUBWFB](#) — Subtract WREG from f with borrow
- [SWAPF](#) — Swap nibbles in f
- [TSTFSZ](#) — Test f, skip if 0
- [XORWF](#) — Exclusive OR WREG with f

## Bit-oriented File Register Operations

- [BCF](#) — Bit Clear f
- [BSF](#) — Bit Set f
- [BTFSC](#) — Bit Test f, Skip if Clear
- [BTFSS](#) — Bit Test f, Skip if Set
- [BTG](#) — Bit Toggle f

## Control Operations

- [BC — Branch if Carry](#)
- [BN — Branch if Negative](#)
- [BNC — Branch if Not Carry](#)
- [BNN — Branch if Not Negative](#)
- [BNOV — Branch if Not Overflow](#)
- [BNZ — Branch if Not Zero](#)
- [BOV — Branch if Overflow](#)
- [BRA — Branch Unconditionally](#)
- [BZ — Branch if Zero](#)
- [CALL — Call subroutine](#)
- [CLRWDT — Clear Watchdog Timer](#)
- [DAW — Decimal Adjust WREG](#)
- [GOTO — Go to address](#)
- [NOP — No Operation](#)
- [POP — Pop top of return stack \(TOS\)](#)
- [PUSH — Push top of return stack \(TOS\)](#)
- [RCALL — Relative Call](#)
- [RESET — Software device RESET](#)
- [RETFIE — Return from interrupt enable](#)
- [RETLW — Return with literal in WREG](#)
- [RETURN — Return from Subroutine](#)
- [SLEEP — Go into Standby mode](#)

## Literal Operations

- [ADDLW — Add literal and WREG](#)
- [ANDLW — AND literal with WREG](#)
- [IORLW — Inclusive OR literal with WREG](#)
- [LFSR — Move literal to FSRx](#)
- [MOVLB — Move literal to BSR<3:0>](#)
- [MOVLW — Move literal to WREG](#)
- [MULLW — Multiply literal with WREG](#)
- [RETLW — Return with literal in WREG](#)
- [SUBLW — Subtract WREG from literal](#)
- [XORLW — Exclusive OR literal with WREG](#)

## Data Memory & Program Memory Operations

- [TBLRD\\* — Table Read](#)
- [TBLRD\\*+ — Table Read with post-increment](#)
- [TBLRD\\*- — Table Read with post-decrement](#)
- [TBLRD+\\* — Table Read with pre-increment](#)
- [TBLWT\\* — Table Write](#)
- [TBLWT\\*+ — Table Write with post-increment](#)
- [TBLWT\\*- — Table Write with post-decrement](#)
- [TBLWT+\\* — Table Write with pre-increment](#)