

| BANK 0 | | BANK 1 | | BANK 2 | | BANK 3 | | BANK 4 | | BANK 5 | | BANK 6 | | BANK 7 | |
|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|--------|---------------------------------------|
| 000h | Core Registers | 080h | Core Registers | 100h | Core Registers | 180h | Core Registers | 200h | Core Registers | 280h | Core Registers | 300h | Core Registers | 380h | Core Registers |
| 00Bh | | 08Bh | | 10Bh | | 18Bh | | 20Bh | | 28Bh | | 30Bh | | 38Bh | |
| 00Ch | PORTA | 08Ch | PIR0 | 10Ch | — | 18Ch | WDTCON | 20Ch | — | 28Ch | TMR1L | 30Ch | T2TMR | 38Ch | CCPR1L |
| 00Dh | PORTB ⁽¹⁾ | 08Dh | PIR1 | 10Dh | — | 18Dh | BORCON | 20Dh | — | 28Dh | TMR1H | 30Dh | T2PR | 38Dh | CCPR1H |
| 00Eh | PORTC | 08Eh | PIR2 | 10Eh | — | 18Eh | PCON0 | 20Eh | OSCCON2 | 28Eh | T1CON | 30Eh | T2CON | 38Eh | CCP1CON |
| 00Fh | — | 08Fh | PIR3 | 10Fh | — | 18Fh | PCON1 | 20Fh | OSCCON3 | 28Fh | T1GCON | 30Fh | T2HLT | 38Fh | CCP1CAP |
| 010h | — | 090h | PIR4 | 110h | — | 190h | — | 210h | OSCSTAT | 290h | T1GATE | 310h | T2CLK | 390h | CCPR2L |
| 011h | — | 091h | — | 111h | — | 191h | — | 211h | OSCCON | 291h | T1CLK | 311h | T2RST | 391h | CCPR2H |
| 012h | TRISA | 092h | — | 112h | — | 192h | — | 212h | OSCTUNE | 292h | TMR3L | 312h | T4TMR | 392h | CCP2CON |
| 013h | TRISB ⁽¹⁾ | 093h | — | 113h | — | 193h | — | 213h | OSCFRQ | 293h | TMR3H | 313h | T4PR | 393h | CCP2CAP |
| 014h | TRISC | 094h | — | 114h | — | 194h | — | 214h | ACTCON | 294h | T3CON | 314h | T4CON | 394h | — |
| 015h | — | 095h | — | 115h | — | 195h | — | 215h | — | 295h | T3GCON | 315h | T4HLT | 395h | — |
| 016h | — | 096h | PIE0 | 116h | — | 196h | — | 216h | — | 296h | T3GATE | 316h | T4CLK | 396h | — |
| 017h | — | 097h | PIE1 | 117h | — | 197h | — | 217h | — | 297h | T3CLK | 317h | T4RST | 397h | — |
| 018h | LATA | 098h | PIE2 | 118h | — | 198h | — | 218h | — | 298h | — | 318h | T6TMR | 398h | — |
| 019h | LATB ⁽¹⁾ | 099h | PIE3 | 119h | — | 199h | — | 219h | — | 299h | — | 319h | T6PR | 399h | — |
| 01Ah | LATC | 09Ah | PIE4 | 11Ah | — | 19Ah | — | 21Ah | — | 29Ah | — | 31Ah | T6CON | 39Ah | — |
| 01Bh | — | 09Bh | — | 11Bh | — | 19Bh | — | 21Bh | — | 29Bh | — | 31Bh | T6HLT | 39Bh | — |
| 01Ch | — | 09Ch | — | 11Ch | — | 19Ch | TMR0L | 21Ch | — | 29Ch | — | 31Ch | T6CLK | 39Ch | — |
| 01Dh | — | 09Dh | — | 11Dh | — | 19Dh | TRM0H | 21Dh | — | 29Dh | — | 31Dh | T6RST | 39Dh | — |
| 01Eh | — | 09Eh | — | 11Eh | — | 19Eh | TOCON0 | 21Eh | — | 29Eh | — | 31Eh | — | 39Eh | — |
| 01Fh | — | 09Fh | — | 11Fh | — | 19Fh | TOCON1 | 21Fh | — | 29Fh | — | 31Fh | — | 39Fh | CCPTMRS0 |
| 020h | General Purpose Registers 80 Bytes | 0A0h | General Purpose Registers 80 Bytes | 120h | General Purpose Registers 80 Bytes | 1A0h | General Purpose Registers 80 Bytes | 220h | General Purpose Registers 80 Bytes | 2A0h | General Purpose Registers 80 Bytes | 320h | General Purpose Registers 80 Bytes | 3A0h | General Purpose Registers 80 Bytes |
| 06Fh | | 0EFh | | 16Fh | | 1EFh | | 26Fh | | 2EFh | | 36Fh | | 3EFh | |
| 070h | Common RAM (Accesses 70h-7Fh) | 0F0h | Common RAM (Accesses 70h-7Fh) | 170h | Common RAM (Accesses 70h-7Fh) | 1F0h | Common RAM (Accesses 70h-7Fh) | 270h | Common RAM (Accesses 70h-7Fh) | 2F0h | Common RAM (Accesses 70h-7Fh) | 370h | Common RAM (Accesses 70h-7Fh) | 3F0h | Common RAM (Accesses 70h-7Fh) |
| 07Fh | | 0FFh | | 17Fh | | 1FFh | | 27Fh | | 2FFh | | 37Fh | | 3FFh | |

Note: 1. PIC16F18046 only.

Legend:

■ Unimplemented data memory locations, read as '0'