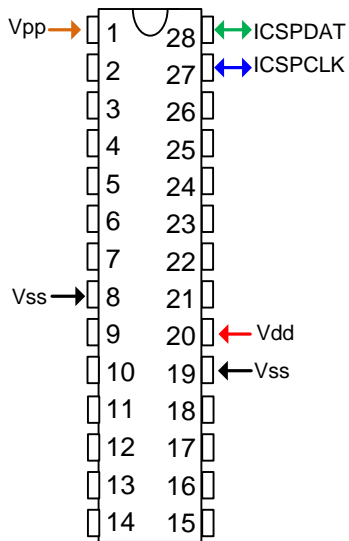


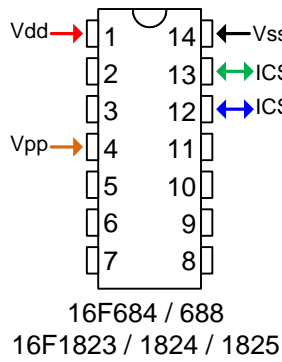
Programming PIC Microcontrollers using PICkit™ 2 / 3 Programmers

<http://picprojects.org>

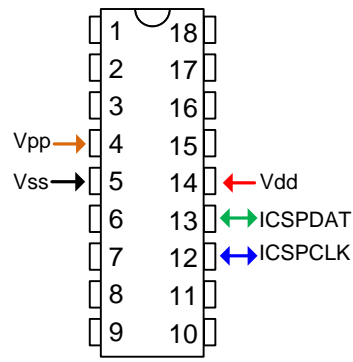
ICSP connections



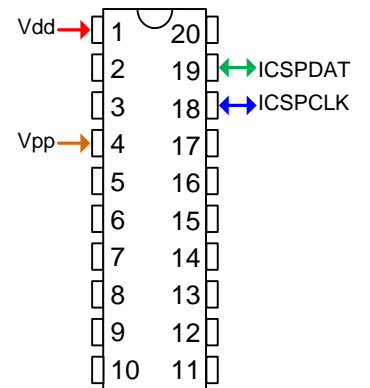
16F1933/1936/1938
 16F1512/1513/1516/1518
 16F882/883/886



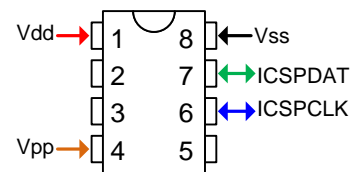
16F684 / 688
 16F1823 / 1824 / 1825



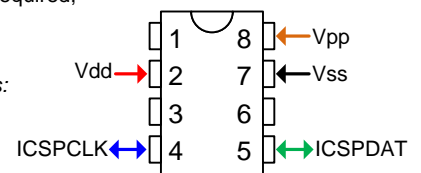
16F84 / 84A
 16F627 / 628
 16F627A / 628A / 648A
 16F88
 16F1826 / 1827



16F685/687/689/690



12F629 / 675 / 683
 12F1822 / 1840



10F200/202/204/206
 10F220/222/224/226

To program a PIC using ICSP you only need to make the five connections shown. No other connections are required. No other components are needed; no external crystal is required; no external power supply is needed.

For other PIC Microcontrollers, refer to the datasheet to identify the correct pin connections:
http://www.microchip.com/en_US/family/8bit/index.html

See also PICkit 2 User's Guide
<http://ww1.microchip.com/downloads/en/DeviceDoc/51553E.pdf>

