Guide to use the 40 PIN PIC Board (Version 1)

All of the connectors are female headers.

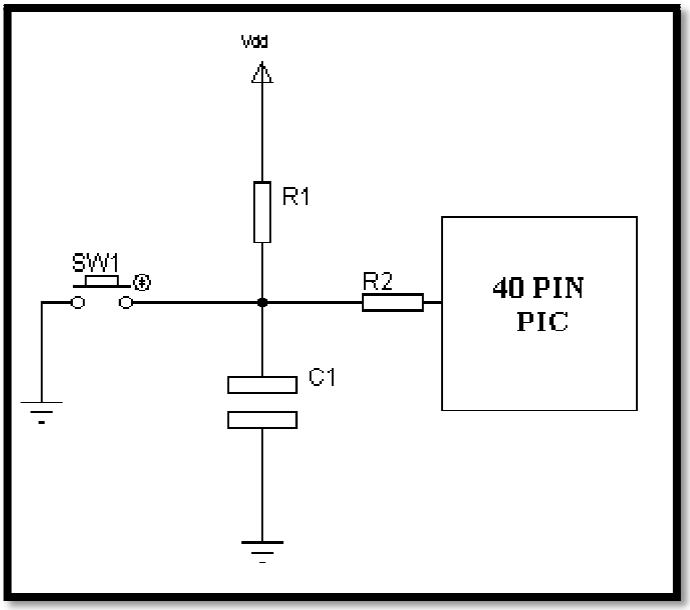
Reset Configurations:

Power On Reset Using a Switch:

RRESET= R1

CRESET=C1

R1RESET=R2

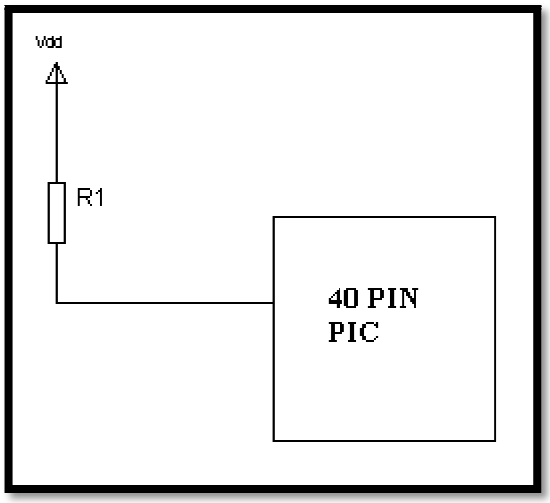


Power On Reset without a Switch:

RRESET=R1

CRESET= Open

R1RESET= Shorted



Oscillator Configuration:

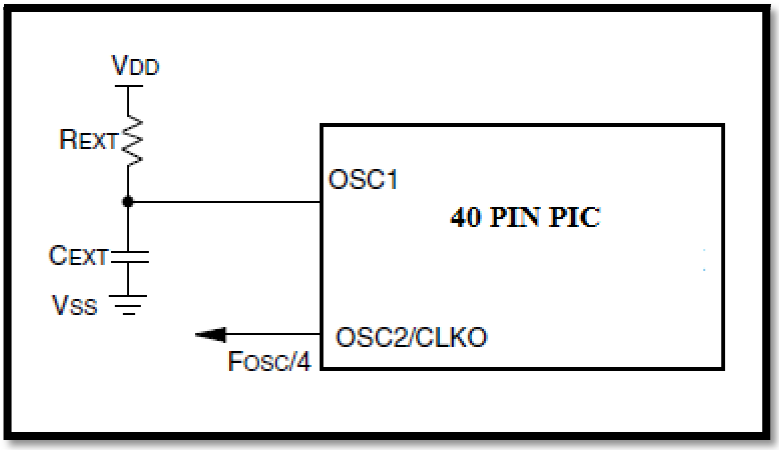
RC Oscillator Mode:

CRYSTALRESISTOR=REXT

CRYSTALCAP2= CEXT

CRYSTAL=Open

CRYSTALCAP1=Open



External Clock Input:

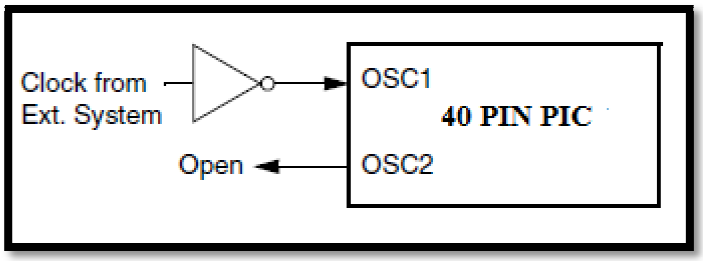
Using Resonator/ Oscillator (Waiting for a picture to check the package)

CRYSTALRESISTOR=

CRYSTALCAP2=

CRYSTAL=

CRYSTALCAP1=



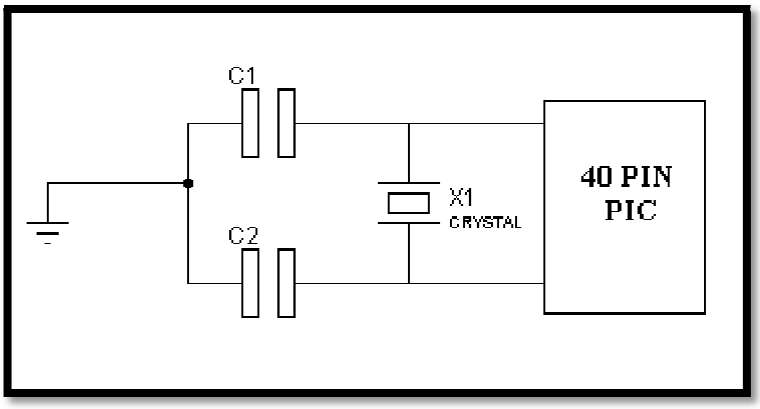
Using Crystals and Caps:

CRYSTALRESISTOR=Open

CRYSTALCAP2= C1

CRYSTAL=X1

CRYSTALCAP1=c2



Using Onboard Programming and Debugging:

Cut off the power to the PIC microcontroller (pull out wires from the female headers) and turn on switches 3 to 7 for programming. For debugging no cutting off of power is required.

Note: While using the built in programmer or debugger, make sure that the USB port of your computer does not get loaded by the things connected to PGC and PGD.

Using the PICKIT UART Tool:

Turn on switches 1,2,6,7 and open the PICKIT2 downloader. From there, switch to the UART Tool.