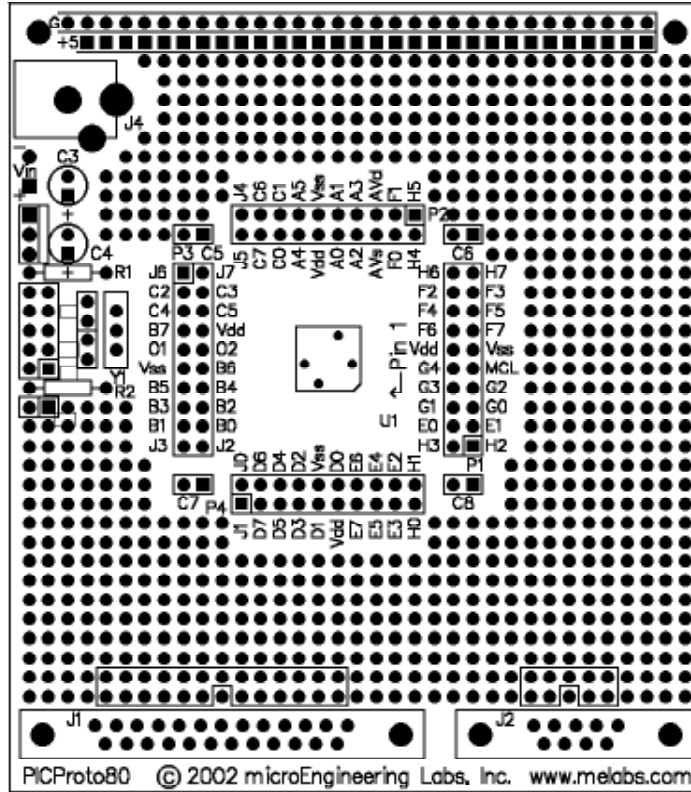


PICPROTO™80 Prototyping Board

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\$19⁹⁵

- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ Hundreds of plated-through holes
- ❖ 6 mounting holes
- ❖ Overall dimensions 3.6" X 4.1"



- U1 - PIC18F6xxx, 18F8xxx in TQFP package
- Y1 - crystal or ceramic resonator
- C1,2 - crystal capacitors
- C3 - input capacitor
- C4 - output capacitor
- C5-8 - bypass capacitors
- REG1 - 5 volt regulator
- R1 - PGM pull down resistor
- R2 - Master Clear resistor
- J1 - DB9, 15, or 25
- J2 - DB9 connector
- J3 - melabs ICP connector
- J4 - Vin connector 7.5 - 16 VDC, center positive

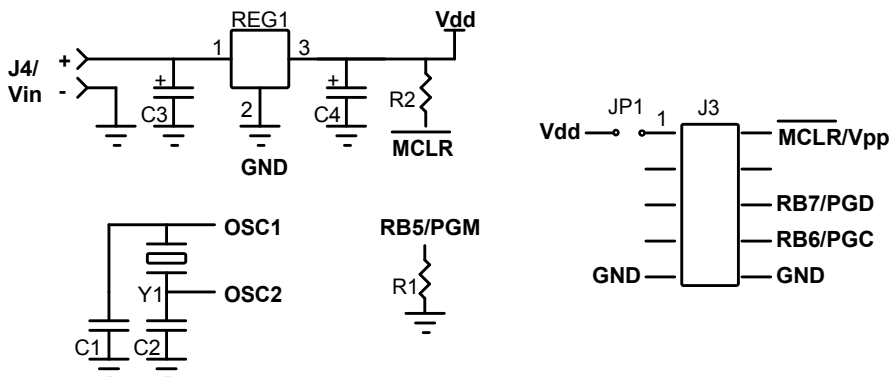
SUGGESTED PARTS:

- Y1 - 4MHz crystal
- C1,2 - 22pf ceramic disk capacitors
- C3 - 10uf radial electrolytic capacitor
- C4 - 1uf radial electrolytic capacitor
- C5-8 - .1uf monolythic capacitors
- REG1 - 7805T 5 volt regulator
- R1 - 33k ohm resistor
- R2 - 4.7k ohm resistor

ASSEMBLY NOTES:

- U1 may be either 64PT or 80PT.
- Pin 1 of REG1 and J3 is marked with a square pad.
- Note polarity of Vin, REG1 and any polarized capacitors.
- The outlined pads above J1 and J2 connect to J1 and J2.
- JP1 may be used to connect +5 on the PP80 to +5 on ICP conn.
- All unused inputs should be tied to +5V or ground.

SCHEMATIC:



SOURCES:

PIC® documentation is available from:
 Microchip Technology Inc.
 2355 West Chandler Blvd.
 Chandler AZ 85224-6199
 (480) 792-7200
 (480) 792-7277 fax

microEngineering Labs, Inc.

Box 60039 Colorado Springs CO 80960
 (719) 520-5323 (719) 520-1867 fax

<http://www.melabs.com>
 email: support@melabs.com