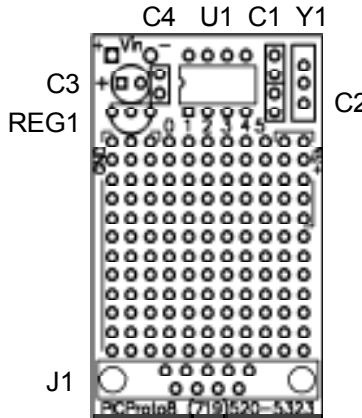


# PICPROTO™8 Prototyping Board

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## \$8<sup>95</sup>

- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ Overall dimensions 1.2" X 2"



U1 - PIC12C508, 509, 671, 672, 12CE518, 519, 673, 674, 12F508, 509, 510, 629, 635, 675 or 683

Y1 - crystal or ceramic resonator

C1, 2 - crystal capacitors

C3 - input capacitor

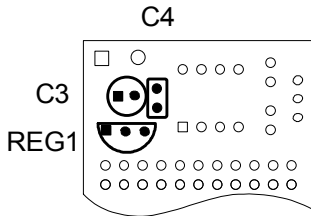
C4 - bypass capacitor

REG1 - 5 volt regulator

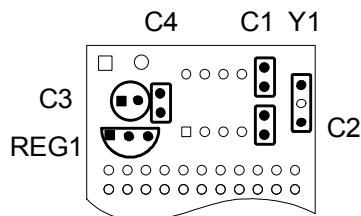
J1 - DB9 connector

0-5 - General purpose I/O lines

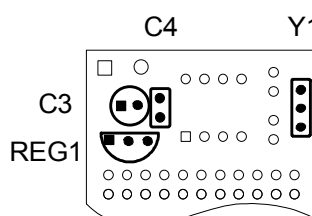
### PARTS PLACEMENT:



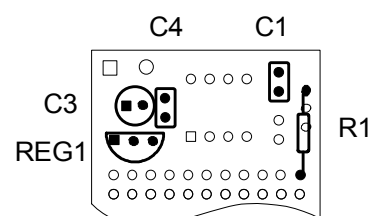
TO-92 Regulator  
REG1 = 78L05  
C3 = .1 - 10uf  
C4 = .01 - .1uf



Crystal  
Y1 = DC - 4MHZ  
C1 = 15 - 30pf  
C2 = 15 - 300pf



Ceramic Resonator  
Y1 = DC - 4MHZ  
C1, 2 = 10 - 100pf  
or none if internal

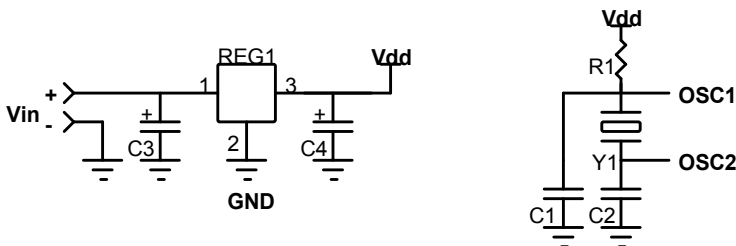


RC Oscillator  
 $3K \leq R1 \leq 100K$   
C1  $\geq 20pf$   
C2 = none

### ASSEMBLY NOTES:

- Pin 1 of U1 is marked with a square pad.
- Note polarity of Vin, REG1 and any polarized capacitors.
- Tie pin 4 high if MCLR is externally enabled.

### SCHEMATIC:



### SOURCES:

**PIC® MCU documentation is available from:**

Microchip Technology Inc.  
2355 West Chandler Blvd.  
Chandler AZ 85224-6199  
(480) 792-7200  
(480) 792-7277 fax

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