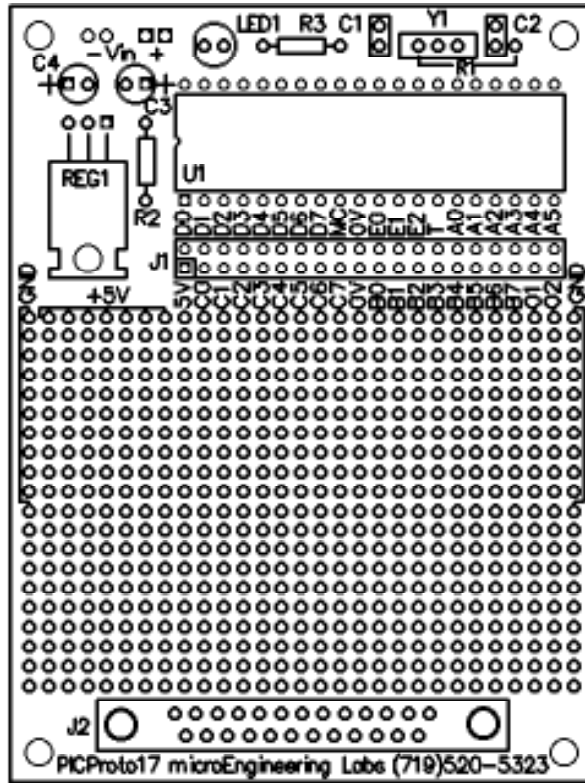


# PICPROTO™17 Prototyping Board

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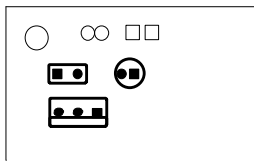
## \$17<sup>95</sup>

- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ More than 700 plated-through holes
- ❖ 4 mounting holes
- ❖ Overall dimensions 3" X 4"

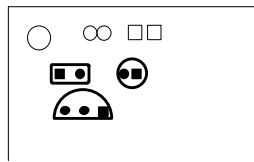


- U1 - PIC17C42, 43 or 44
  - Y1 - crystal or ceramic resonator
  - C1, 2 - crystal capacitors
  - C3 - input capacitor
  - C4 - bypass capacitor
  - REG1 - 5 volt regulator
  - LED1 - LED
  - R1 - RC oscillator resistor
  - R2 - Master Clear resistor
  - R3 - LED series resistor
  - J1 - PIC I/O connector
  - J2 - DB9, 15, or 25
- Vdd - plus 5 volt buss  
GND - ground buss

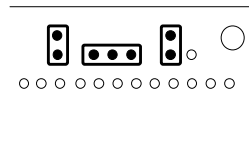
### PARTS PLACEMENT:



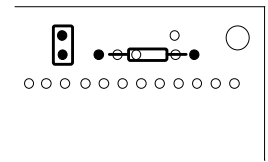
TO-220 Regulator  
REG1 = 7805T  
C3 = .1 - 10uf  
C4 = .01 - .1uf



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



Crystal or Ceramic Resonator  
Y1 = DC - 20MHZ  
C1, 2 = 5 - 22pf



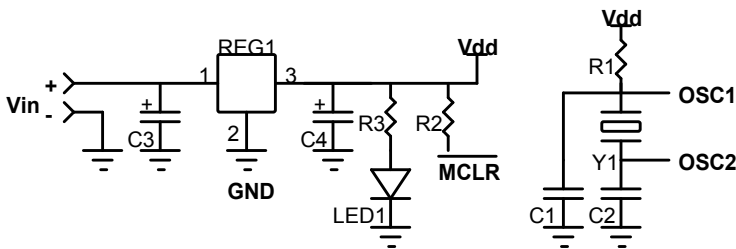
RC Oscillator  
 $5k \leq R \leq 100K$   
C1  $\geq$  20pf  
C2 = none

### ASSEMBLY NOTES:

Pin 1 of U1 is marked with a square pad.  
Note polarity of Vin, REG1, LED1 and any polarized capacitors.

Don't forget to pull-up Master Clear to Vdd.  
All unused inputs should be tied to Vdd 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

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