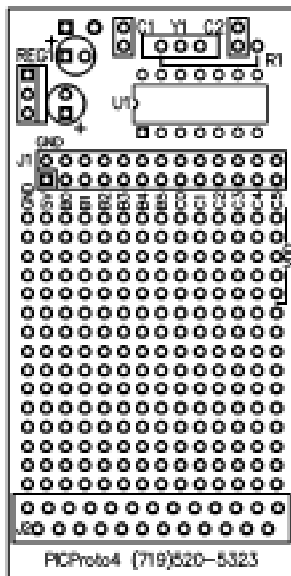


PICPROTO™4 Prototyping Board

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\$9⁹⁵

- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ 300 plated-through holes
- ❖ 4 mounting holes
- ❖ Overall dimensions 1.5" X 3"



U1 - PIC12C508, 509, 671, 672, 12CE518, 519, 673, 674, 12F508, 509, 510, 629, 635, 675, 683, 16C505, 16F505, 506, 616, 630, 636, 676, 684, 688 or 16HV616

Y1 - crystal or ceramic resonator

C1, 2 - crystal capacitors

C3 - input capacitor

C4 - bypass capacitor

R1 - RC oscillator resistor

REG1 - 5 volt regulator

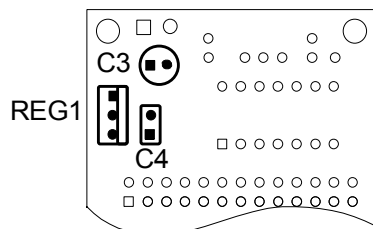
J1 - I/O connector

J2 - DB9, 15, or 25 connector

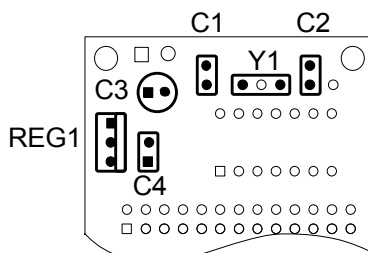
Vdd - plus 5 volt buss

GND - ground buss

PARTS PLACEMENT:

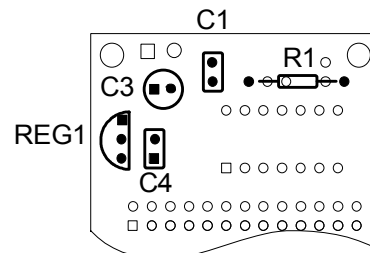


TO-220 Regulator
REG1 = 7805T
C3 = .1 - 10 uf
C4 = .01 - .1uf



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

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



RC Oscillator
 $5k \leq R1 \leq 100K$
C1 $\geq 20pf$
C2 = none

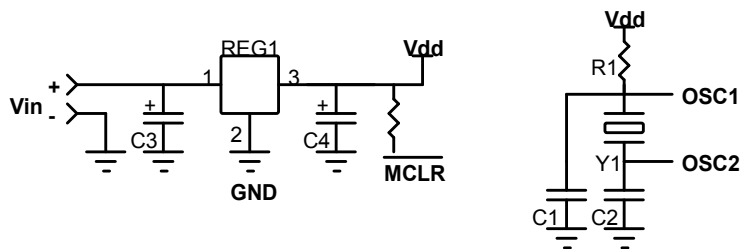
TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf

ASSEMBLY NOTES:

Pin 1 of U1 is marked with a square pad.
Line up pin 1 of 8-pin devices with square pad.

Note polarity of Vin, REG1 and any polarized capacitors.
Don't forget to pull-up Master Clear to Vdd, if enabled.
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
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(480) 792-7277 fax

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