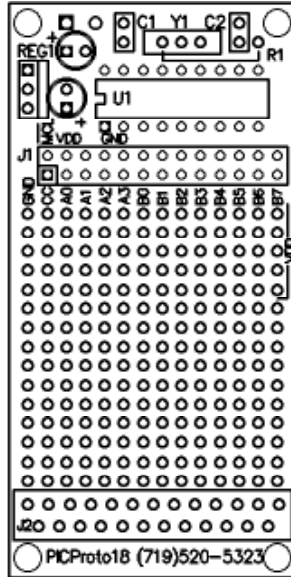


PICPROTO™18 Prototyping Board

Copyright ©2006 microEngineering Labs, Inc.

\$9⁹⁵

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



U1 - PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 717, 84, 16CE623, 624, 625, 16F54, 627, 628, 648A, 716, 818, 819, 83, 84, 87, 88, 16HV540, 18F1220, 1230, 1320 or 1330

Y1 - crystal or ceramic resonator

C1, 2 - crystal capacitors

C3 - input capacitor

C4 - bypass capacitor

R1 - RC oscillator resistor

REG1 - 5 volt regulator

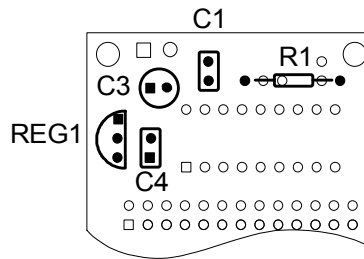
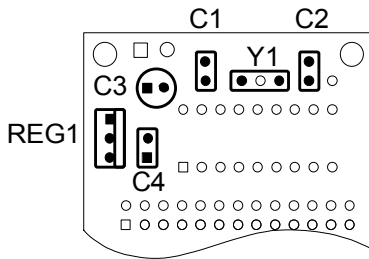
J1 - I/O connector

J2 - DB9, 15, or 25 connector

Vdd - plus 5 volt buss

GND - ground buss

PARTS PLACEMENT:



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 ≤ R1 ≤ 100K
C1 ≥ 20pf
C2 = none

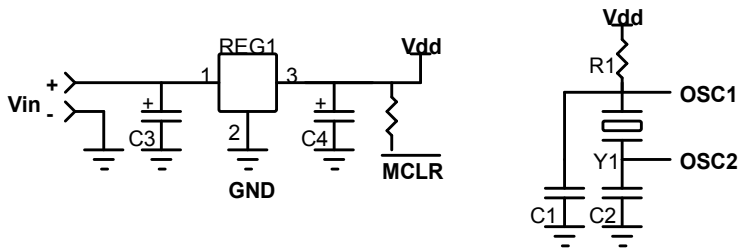
TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf

ASSEMBLY NOTES:

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

Don't forget to pull-up Master Clear to Vdd.
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