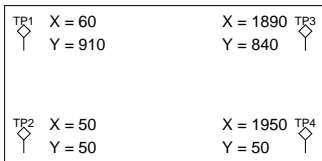


FIDUCIAL LOCATIONS ARE IN MILS (0.001 INCH) RELATIVE TO THE LOWER LEFT (CONN1 LOCATION) OF THE PCB

FIDUCIALS ARE EXPOSED 0.025 INCH SQUARE COPPER WITH CENTERPOINTS NOTED AS BELOW



(CONN1)

PCB MATERIAL FR4 OR EQUIV 0.031 OR 0.062 INCH  
 COPPER ANY FROM 0.5 TO 2.0 OZ  
 SOLDERMASK BOTH SIDES DIFFERENT  
 SILKSCREEN BOTH SIDES DIFFERENT  
 SOLDERMASK AND SILKSCREEN ANY COLOR AS LONG AS THEY CONTRAST  
 DRILL TOLERANCE +/- 0.002 INCH

PCB FINAL SIZE IS 1.0 INCH BY 2.0 INCH

ALL RESISTORS ARE 5% OR BETTER  
 ALL CAPACITORS ARE 10V X5R OR BETTER  
 SUBSTITUTIONS TO SIMILAR OR HIGHER SPEC PARTS IS ALLOWED  
 DNP MEANS DO NOT POPULATE

MANUFACTURING NOTES  
 REFERENCE: CONN1 IS IN THE LOWER LEFT

LED8 (POWER) IS ALIGNED POS LEFT NEG RIGHT  
 LED2 AND LED1 ARE ALIGNED POS DOWN NEG UP  
 LED3/4/5/6 ARE ALIGNED POS LEFT NEG RIGHT  
 LED7 IS ALIGNED POS LEFT NEG RIGHT  
 I.E. BEVELED EDGE ON SILKSCREEN = PIN1 = ANODE

U1 PIN 1 IS UPPER RIGHT  
 U2 PIN 1 IS UPPER LEFT  
 X1 MAY BE INSTALLED EITHER ORIENTATION

ALL CAPACITORS, RESISTORS, AND L1 ARE NONPOLAR  
 AND MAY BE INSTALLED EITHER ORIENTATION

LAST UPDATED 06-AUG-2010 15:37 EST

## R8C/33C RULZ LAB BOARD