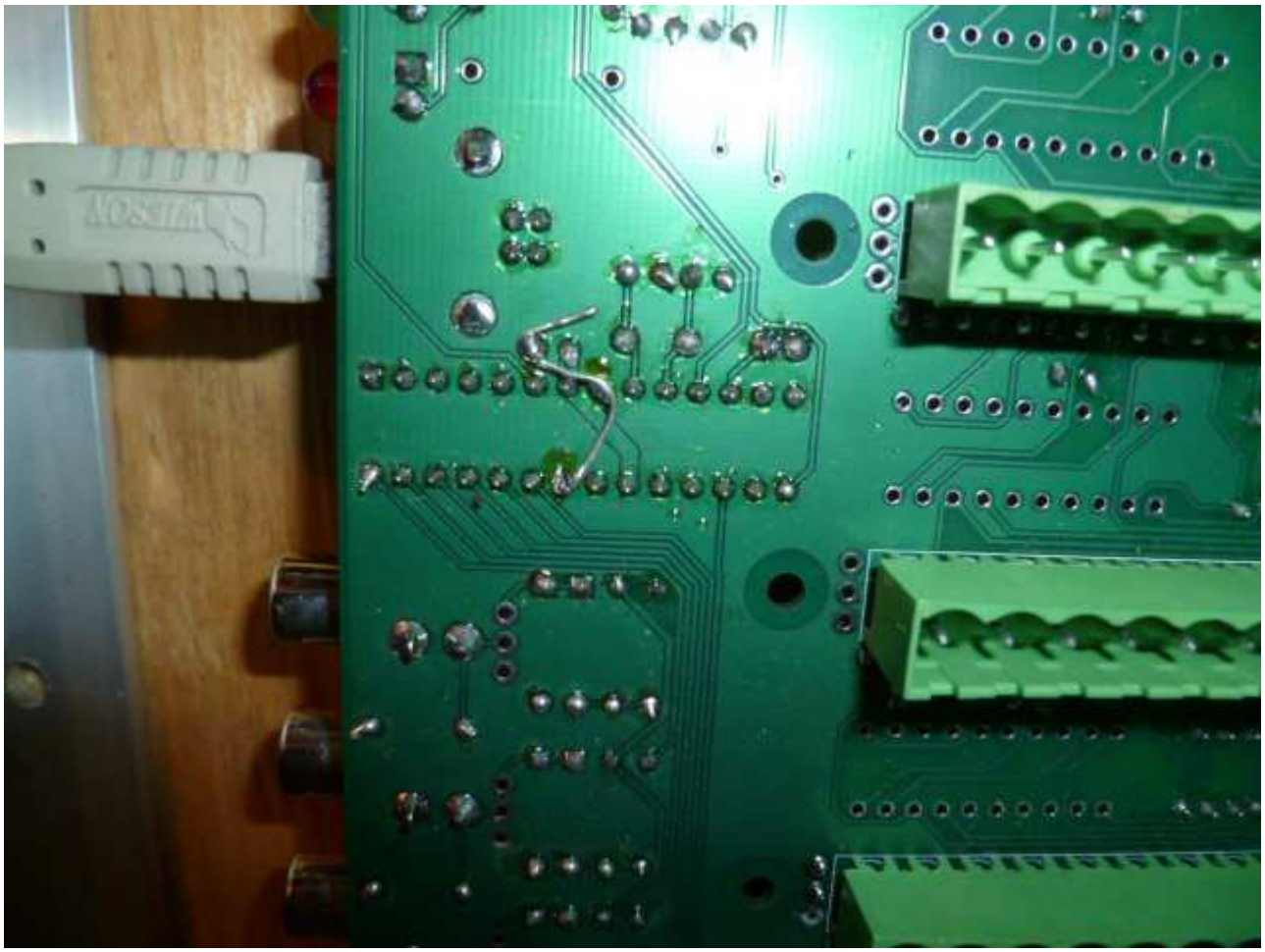
MOAS Board Construction Tips
1/19/2014

There is no R15.

If you will power the board with less than 15V place a jumper across R14. If you supply more voltage you may need a resistor in R14 – check whether the voltage regulator gets warm when operating the board.

There are two missing traces on the board. It is necessary to add a jumper from U1 pin 8 and U1 pin 22 to ground.

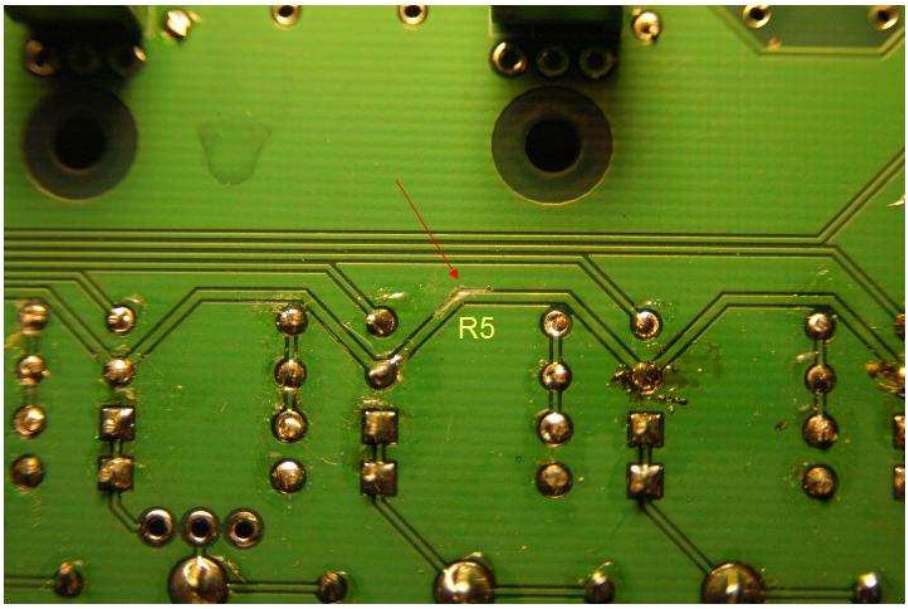


There is a hole provided to bolt Voltage Regulator U3 to the board. It is not necessary to install a bolt but if you want to you will need a #4x1/4" bolt, lock washer, and nut. Those parts are not on the parts list bur are available in any hardware store.

We have had a case designed for the unit and have obtained preliminary pricing. If you want a case, please let me know. Since the case mounting for everyone will be the same, I plan to kit all the hardware parts to put the board into the case.

There is a BIG price break on the .1uf caps. If you buy 50 of them, it costs you $15; if you buy 100 of them, it costs you $11.70. Go figure.

Two builders have reported board defects. There was a short between the +12V rail and the +5V line, on the bottom of the board opposite R5. 12 other boards have been checked, and none have had the problem.



On another board there was a short between +5V and ground. This problem has also not been seen on any other board.

We suggest that the +5V line be checked with an ohmmeter to make sure it is not shorted to either +12V or ground before beginning construction.

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