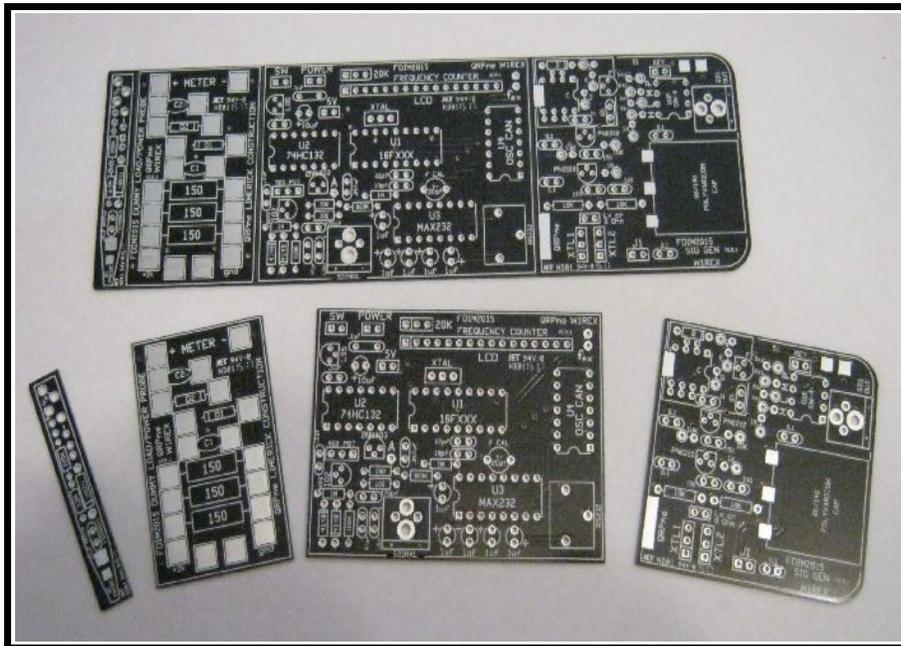


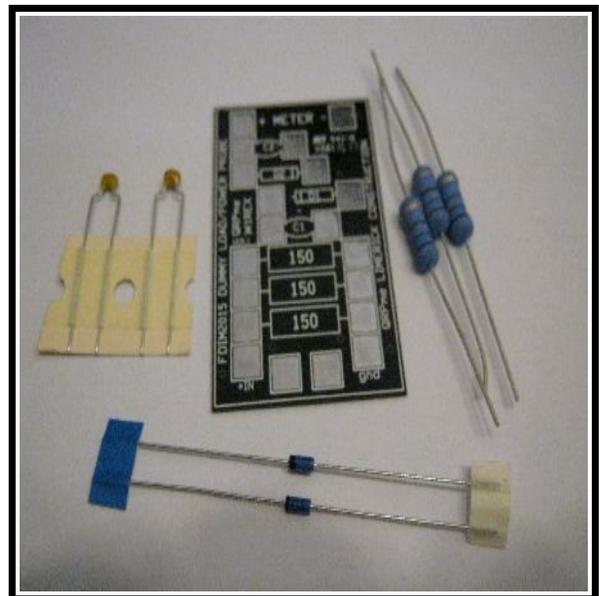
FDIM 2015 Buildathon Projects by QRPme

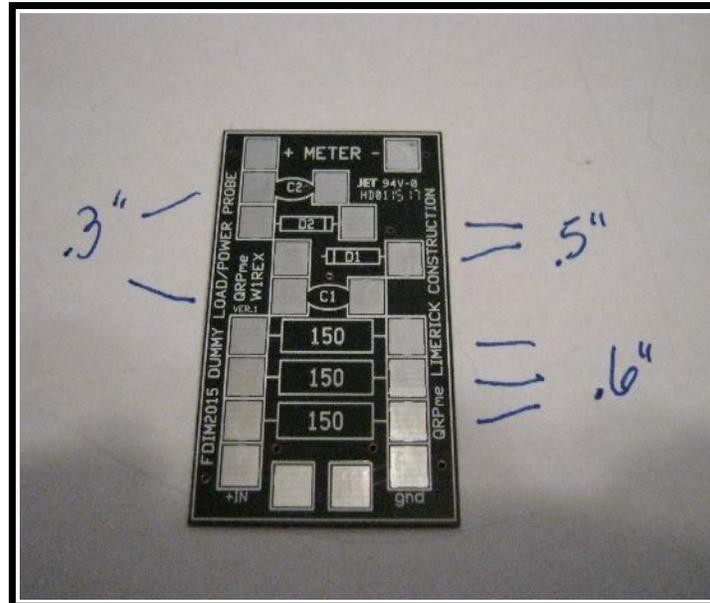


The panel breaks apart into 4 unique project boards.

The Dummy Load parts splay:

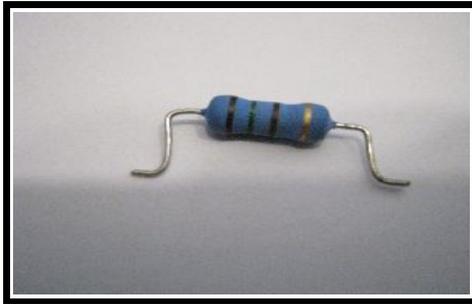
- printed circuit board
- Qty 3 150 3W resistors
(marked BRN-GRN-BLK)
- Qty 2 .1uf capacitors
(marked 104)
- Qty 2 1N5711 diodes
(marked 1N5711)
- Yellow RCA connector



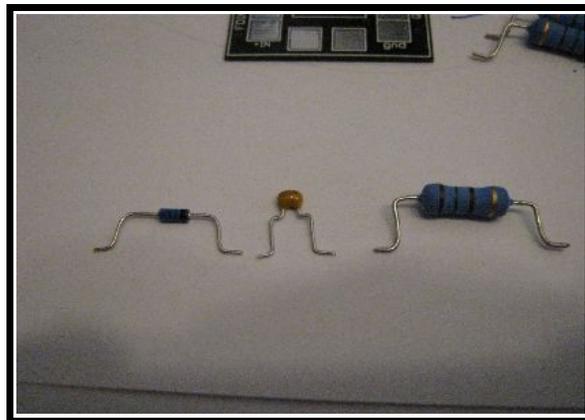


With 'Limerick' construction, the 'Manhattan' construction style pads are not glued down. The pads AND interconnecting traces are FABRICATED on a commercially made silk screened and solder masked printed circuit board..with practically no holes. All the parts are then soldered directly to the pads. Think of it as a surface mount style board using through hole parts. Parts are formed by bending the leads to create the standoff required to mount the parts over the board.

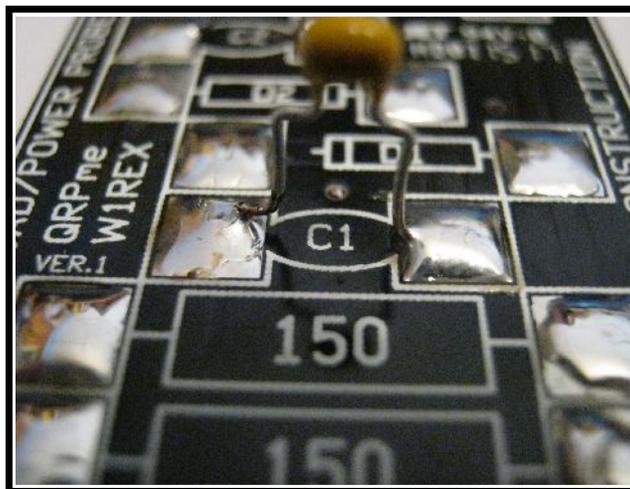
Certain projects might require close to the board mounting.... I chose about 1/4" for my dummy load. The most important thing is to have the distance measurements between the mounting pads for proper component fit. On the Dummy Load project, the 3 watt resistor pads are .6" apart. The diodes and capacitors are .5" and .3" apart respectively.



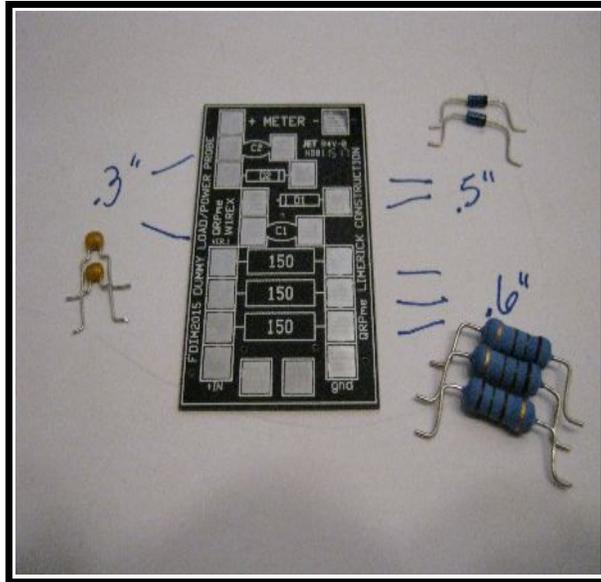
Here is a resistor with the leads bent to fit the pads. Dry fitting the parts before soldering is a must as it is **MUCH** easier to mess with the part while unattached to the board.



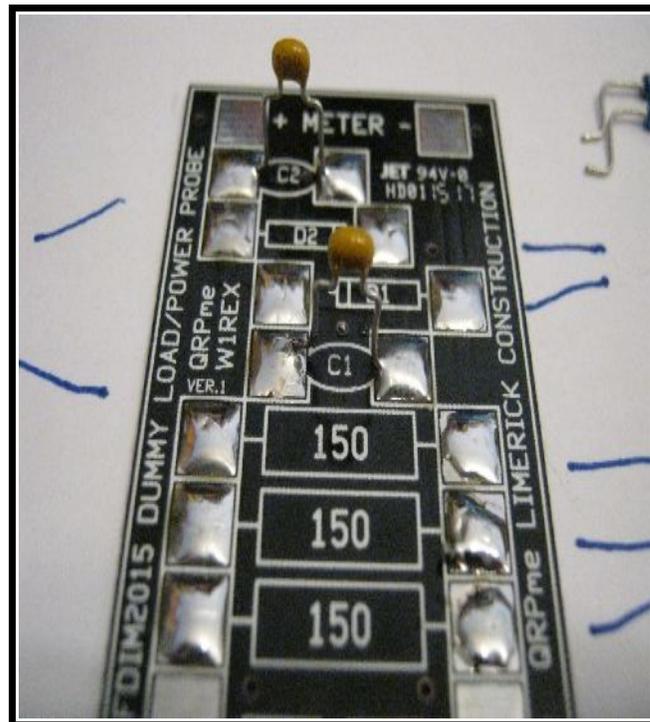
Here are samples of the 3 different components on the Dummy Load board.



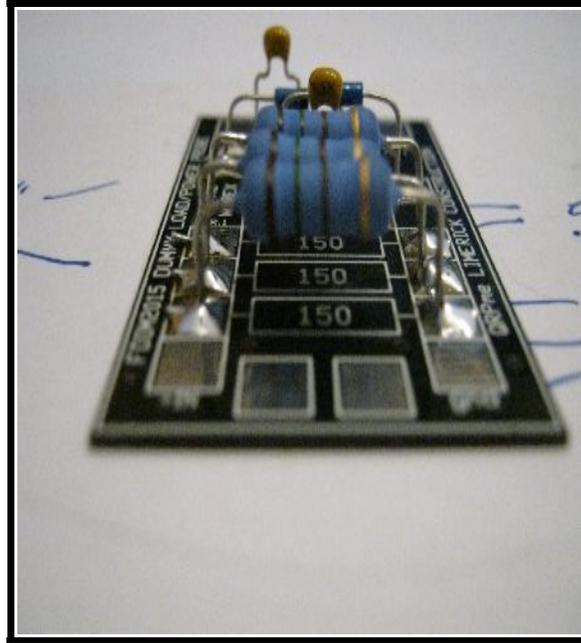
Typical Limerick/Manhattan/Pittsburg part placement.



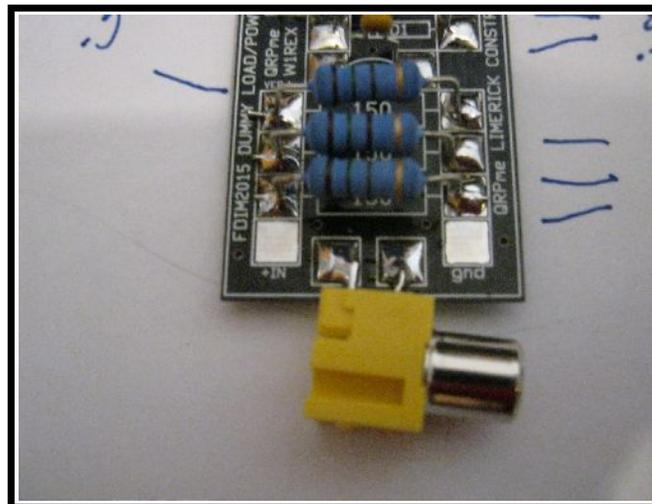
The parts are all formed so the kit is ready to build!



Put the capacitors on the board first as they have the narrowest spacing and all the other parts stick out beyond the capacitor pads.



The 7 parts are all soldered in.



I use RCAs on all my tuna can projects so I added an RCA connector as the input connector to the Dummy Load kit. Solder one in here. When you put your project into a proper enclosure at home, you can always change the input and output connectors to suit your tastes!

5/20/2015 W1REX