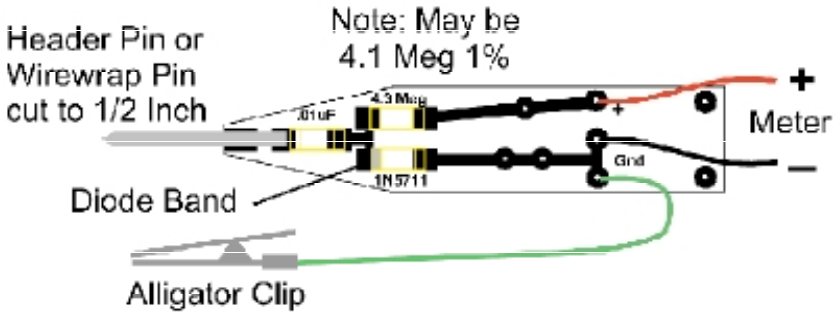
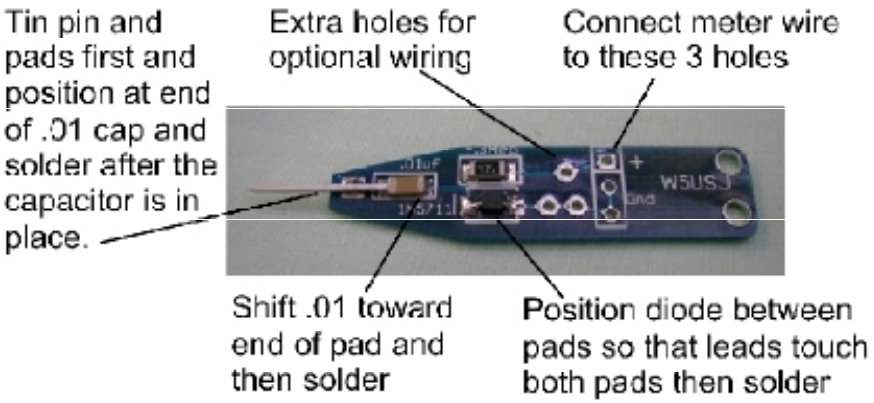
QRPme SMT RF Probe

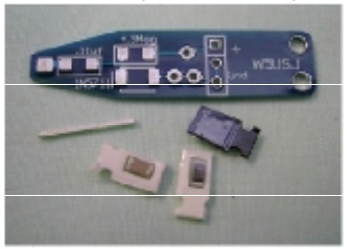
Assembly 2X



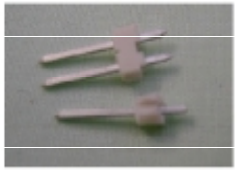
Assembled PCB



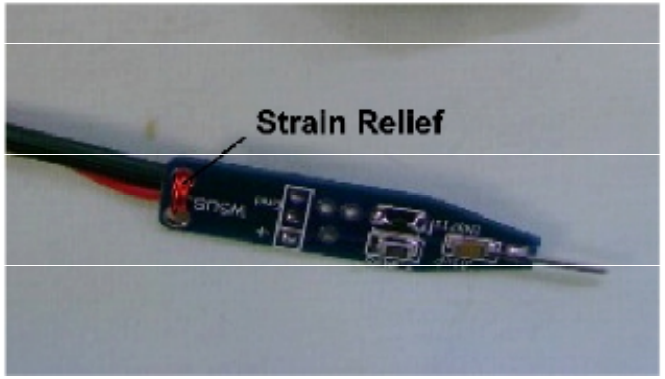
Kit Parts :**pcb, diode (black carrier), cap (plain), 412K (purple) 4.12M (red) & header pin (remove the plastic)**



Header Pin



At QRP power levels, shielding is not a requirement. If holding the probe by the leads is not acceptable, a plastic tubing enclosure or clear shrink sleeving will do the job quite nicely.



Note: Scaling resistor can be mace more precise if better accuracy is desired. Example: a 3.9 meg and 220k can be selected to provide 4.1+ Meg and bridged across the pads.

Or, if you measure your meter to be something other than 10 megohms, you can adjust the scaling resistors as needed to provide a higher degree of measurement accuracy.

Some sizes of ballpoint pens make nice enclosures. The PCB can be trimmed close to the pads a couple of mm if needed. The strain relief end can be trimmed off at the 3 optional holes for meter leads.

Scaling Resistor: For 10 Meg meter = 4.14 Meg. For 11 Meg meter = 4.55 Meg

Measure actual meter Z using voltage divider method: scale accordingly

The scaling resistor is equal to the meter Z x 0.414, e.g., for a 1 Meg meter R=414k (The $3 Harbor Freight meters are 1 Meg.)

Suggested Application