

Low Profile Topper Amp Assembly Supplement

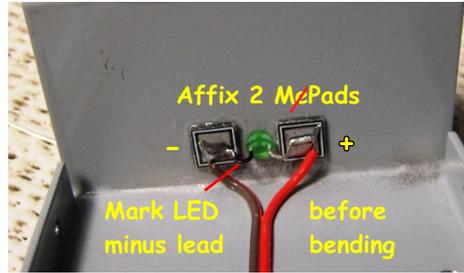
W5USJ dwg 3 Nov 2014

Note: R3 and C4 are on the bottom to minimize any feedback path that would reduce power output

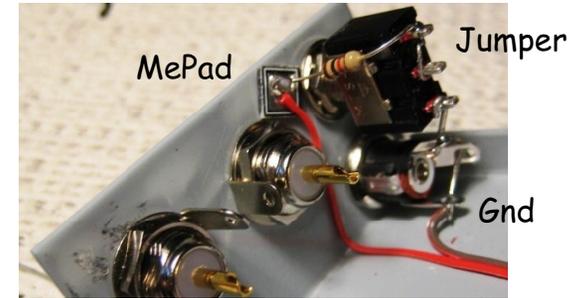
At Vcc 13.5 V and 600 mW in ~5 W out



20 meter band module

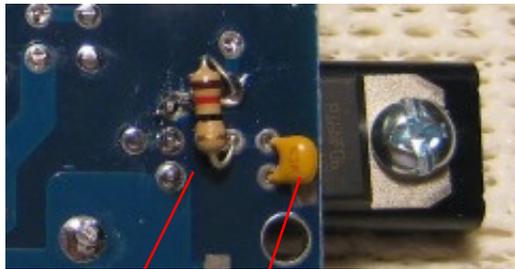


Front Panel Inside



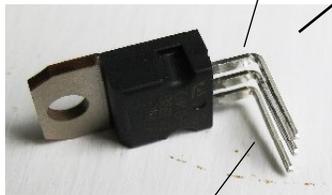
Back Panel Inside

Assemble topper per manual **Except:**



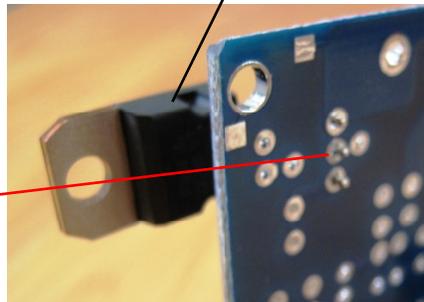
Install R3 and C4 on the bottom as shown

Bend 90 deg at point where leads narrow



Insert into PCB enough that 1/16 extends below the PCB and solder.

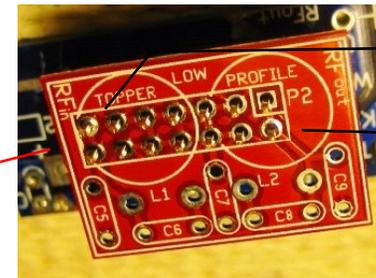
Form the leads of Q1 as shown before installing.



See the Tuna/Tx Topper Manual for toroid winding and capacitor values

Use the Topper Band Module socket as a holding fixture

Lo Pro Band Module

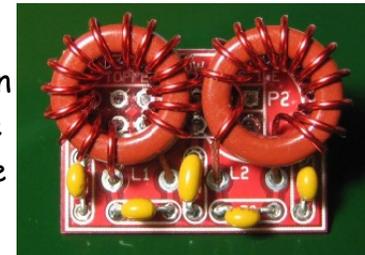


Tack two corners of the connector pins.

Ensure that the PCB is flush on the top of the connector

Solder the rest of the pins and then shear them flush with the surface of the PCB

Except for the horizontal position the Lo Pro module is the same as the vertical module



Avoid Shorts!
Don't force the coils down against the tops of the sheared off header pins.

Assemble parts and solder 40 meter module shown