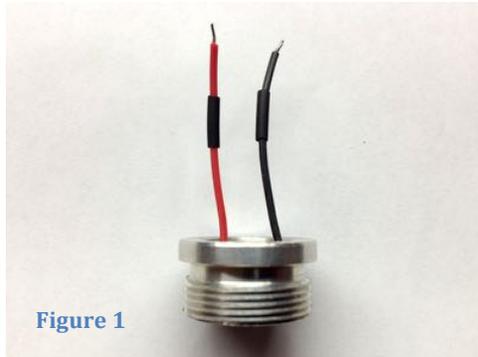


Diode & Driver Module Soldering Instructions



Before you begin: It is assumed that you have some soldering experience. You will need a soldering iron with a fine tip, 1/32" diameter or smaller solder, a "helping hands" clamping device, a Survival Laser driver and pill module and a compatible diode pressed in a module with extension leads attached.

Fig.-1. Cut the supplied 3/64" diameter heat shrink tubing into two pieces about 1/4" long and slip them over the driver module leads.

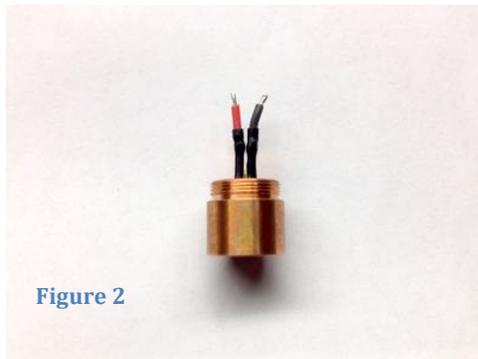


Fig.-2. Trim the wires of the diode and/or the driver so that the **total** length of the wires is 1-3/8 to 1-1/2". **Note:** The white wire (if attached to the diode) is not needed and can be trimmed off. Also, remove the larger silver part of the diode module (if supplied). Strip about 3/32" of insulation off the cut wire and "tin" the trimmed ends with the solder and soldering iron.

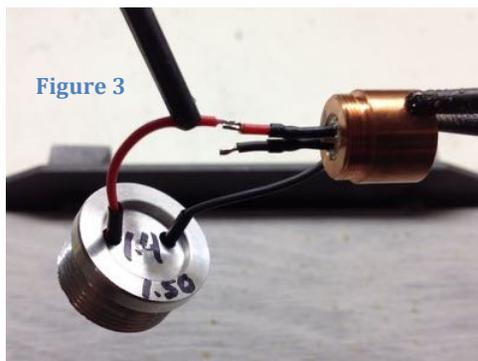


Fig.-3. Using a "helping hands" device (available from Radio Shack, Amazon.com and many other sources), clamp and align the matching positive (red) wires for soldering as shown.

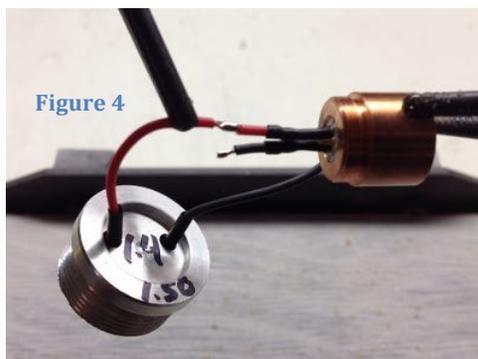


Fig.-4. Solder the positive (red) wire of the driver to the positive (red) wire extension of the diode as shown.

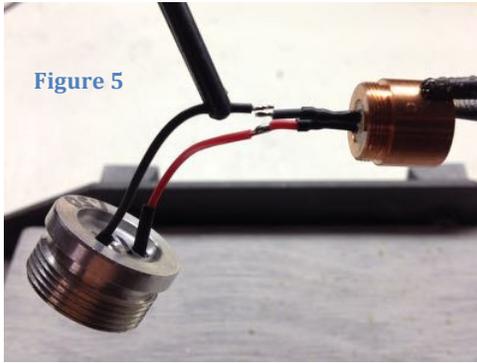


Figure 5

Fig.-5. Using the “helping hands” device, clamp and align the matching negative (black) wires for soldering as shown.

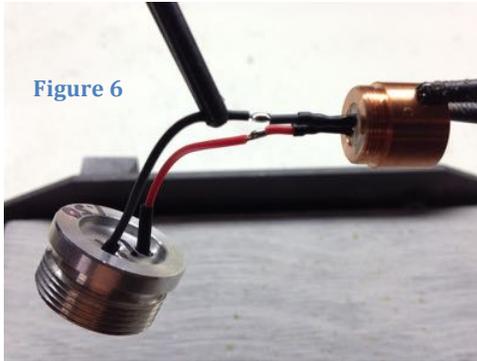


Figure 6

Fig.-6. Solder the negative (black) wire of the driver to the negative (black) wire extension of the diode as shown.



Figure 7

Fig.-7. Slip the heat shrink tubing down over the solder joints you just made. Leave a little space (about 1/8”) between these heat shrink pieces and the existing heat shrink on the diode wires.



Figure 8

Fig.-8. Using the tip of your soldering iron, gently brush the surface of the heat shrink tubing briefly until the tubing has shrunk securely over the wires and solder joints.

9. Follow any supplied instructions for installation of your completed diode and driver module into your chosen host design.