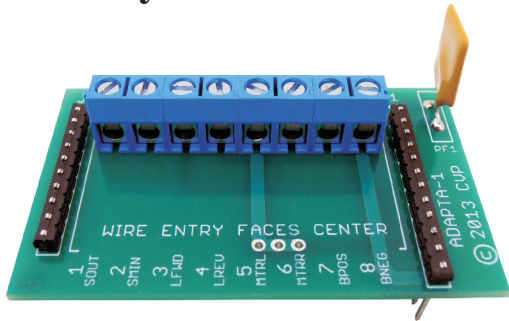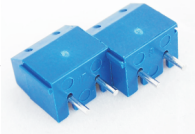# Adapta-1 Kit Assembly Instructions

Kit Contents List

Adapta-1 circuit board
2 strips header pins
Terminal block(s)
Polyfuse
Instruction sheet

Parts are inserted from the top side and soldering is done on the back or bottom side of the circuit board.

Step 1: Prepare and install terminal block. If the terminal block comes as a single unit, then insert and solder. If it comes as a group of smaller blocks, slide them together to make a single, 8 terminal block. Orient the terminal block's wire opening towards the center of the board.
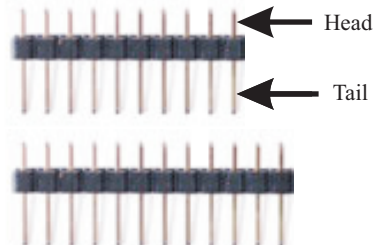
Step 2: Solder each terminal. Take care to use sufficient heat such that the terminal and the solder pad are properly soldered. Make sure the terminal strip is flush and square with the circuit board. The image shows what a good solder joint looks like. Do not clip the terminals - they are short enough to not interfere with other objects below the board.

Step 3: If Necessary, Prepare The Header Strips. If the strips are not precut to the proper number of pins, trim the strips to create one strip of 10 pins and one strip of 12 pins. raw Use your wire cutters to cut between the pins were the plastic is grooved. The strip will easily break apart at that location. Discard the left over pins.

Step 4: Insert and solder the header strips. Insert the long set of pins (the tail pins) through the holes from the top side of the board. Make sure the plastic is flush to the circuit board. Don't allow it to tilt up on one end during soldering. Solder carefully and inspect for solder bridges between pins. Trim the head of the pin flush to the plastic strip.

Head

Tail

Step 6: Insert polyfuse and solder. There is no polarity to the polyfuse. Make sure the fuse is close to the board. However, don't bend the pins too much or the polyfuse may fracture. Solder carefully and trim the leads to the top of the solder joints. Make sure there are no solder bridges.

Final Check: Verify the header pins are trimmed. Inspect solder joints for bridges, cold joints or missed joints. Your Adapta-1 board is ready for use.

For installation information, please see the Adapta-1 User Guide, available on the CVP Products website.   www.cvpusa.com