

BD-606 Assembly Guide REV. 3

This document will guide you in the assembly of the BD-606 bass drum module kit. The steps shown focus on the mechanical assembly of the Main Board, Control Board, and Panel. Please reference the BOM and component labels on the Main Board and Control Board while assembling this kit.



Assemble the module following the steps in the order shown. Please read and follow these instructions carefully to avoid incorrect assembly or damage to the module.



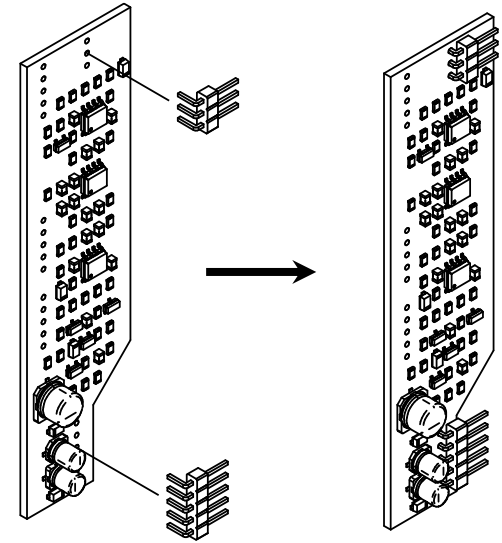
Note that certain components on the Main Board assembly are ESD sensitive. Care should be taken when handling the Main Board and components during assembly.

1

Main Board Assembly



- 1.1 Place and solder the pin headers for the power connector and AC Mode Select onto the Main Board.

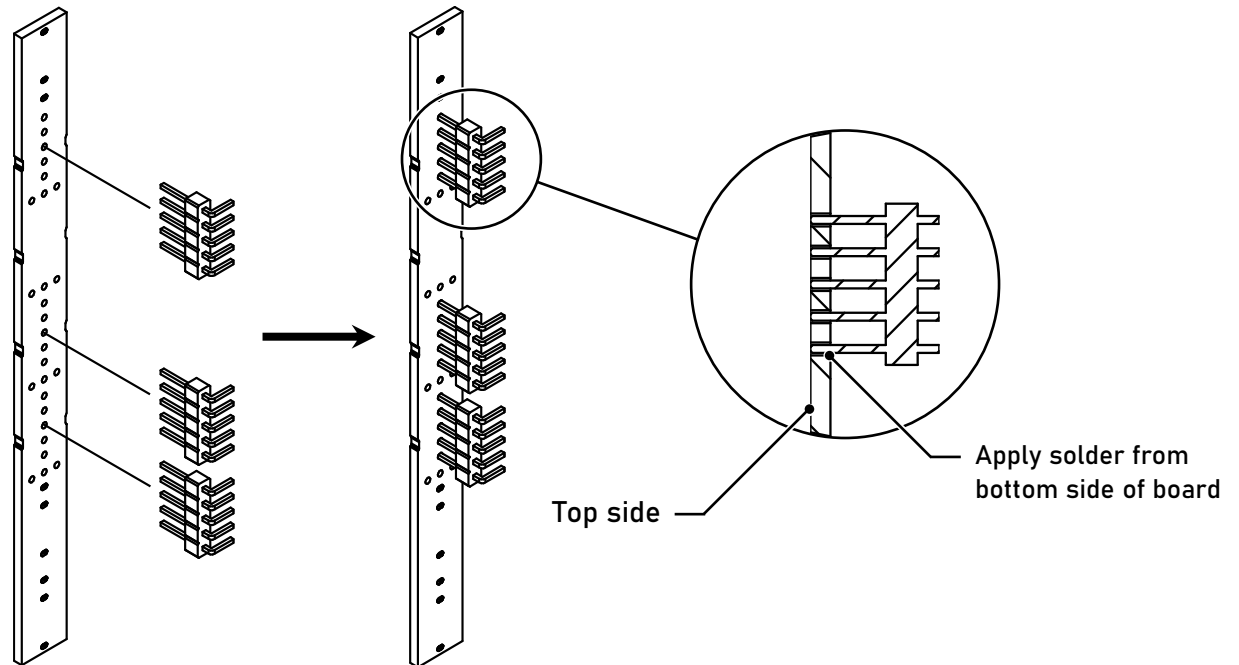


2

Board Interconnect Pins

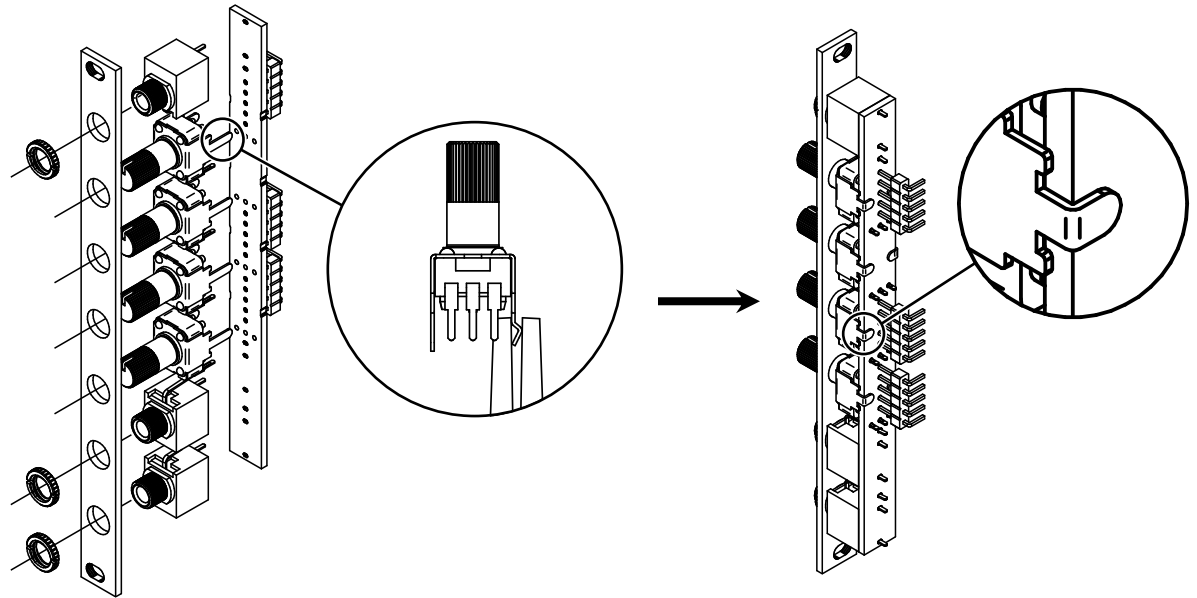
- 2.1 Place board interconnect pins onto the bottom side of the Control Board. The bottom side has interconnect pin outlines and labels (J9, J10, J11). Carefully note the orientation of the headers in the diagram.

Note that the board interconnect pins will not be fully seated to avoid interference with top side components. The ends of the pins should mount flush with the top side of the board. It may be helpful to 'tack' one of the pins of each connector first, making sure they sit vertically and line up with the main board before fully soldering.



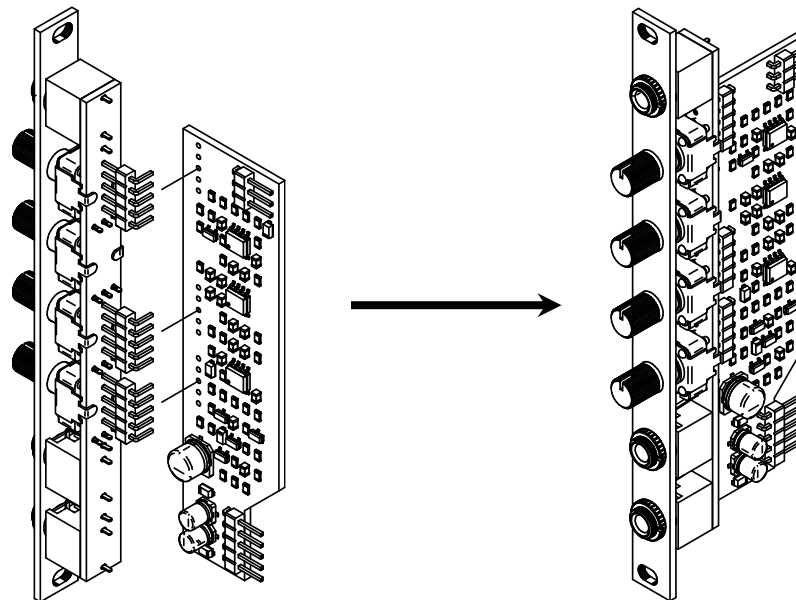
3 Control Board and Panel Assembly

- 3.1 Using needle-nose pliers, straighten both mechanical mounting pins on each of the potentiometers.
- 3.2 Place potentiometers and jacks onto Control Board. Note that the values of RV1-RV3 are B10k (lin) and RV4 is A50k (log). Lightly thread jacks onto panel to ensure proper alignment before soldering. Once aligned, solder potentiometers and jacks into place, ensuring components are fully seated onto the Control Board.
- 3.3 Bend mechanical mounting pins around the Control Board for support. Take care to avoid damaging the back surface of the Control Board while bending pins.



4 Final Assembly

- 4.1 Mount and solder the Main Board assembly to the Control Board and Panel assembly in the orientation shown. Ensure the Main Board sits perpendicular to the Control Board and Panel assembly.



Completed module.