

Building the PR102 Tone/Volume board to be compatible with the PR101 Controller

Rev 1p0

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This document reviews the steps needed to make a PR101 controller compatible with a PR102 Tone Volume board. In a nutshell these steps are:

1. You'll install a 10 pin connector, left justified into the pattern for a 14 pin connector. This gives you a compatible connection for the original 10 pin ribbon in a PR101 controller.
2. You'll add two wires to carry the new control signals from the controller to the new PR102 Tone Volume board.

Other than that, you'll follow the assembly directions in the PR-102 manual.

Install the 10-pin cable connector in the 14-pin PCB pattern.

Note that the pattern on the board has 14-pins, so you must be quite careful in installing this connector. Please observe the following:

1. The connector should sit in the pin1/pin2 end of the PCB board. This will leave the pin13/pin14 holes of the PCB pattern in the clear, beyond the edge of the connector.
2. Make sure to insert the connector with the correct orientation. Match the notches in the short side walls of the connector with the ears in the silk-screen along the pin 1/pin 13 row of pins.

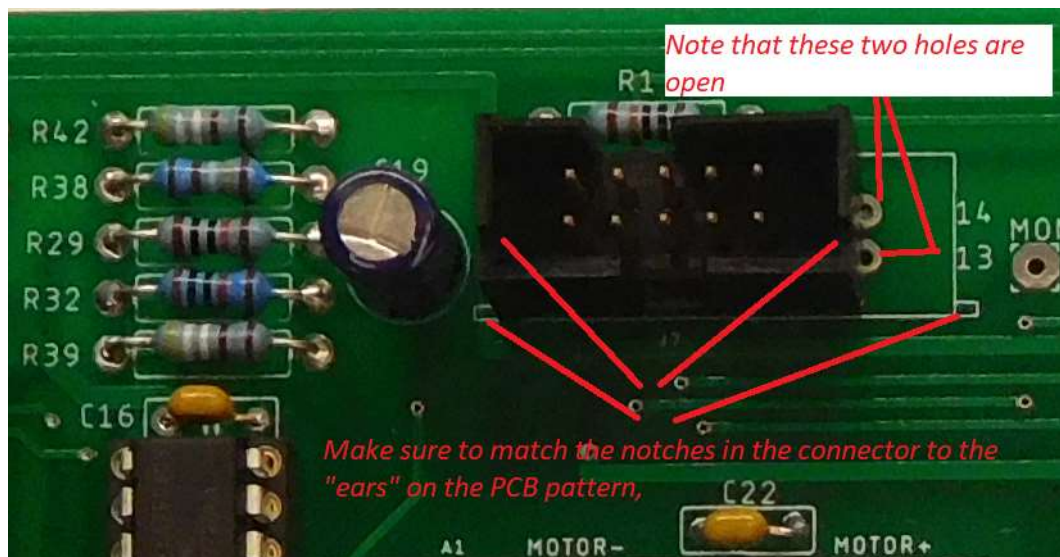


Figure 1-Carefully note the connector orientation

Connect the MONO and HUSH wires from the controller to the Tone/Volume Board

Note that the silk screen markings on the controller board for F3 and F4 are on the same side as the pushbuttons. Thus they aren't visible with the controller installed in the chassis. If you don't mind working in tight spaces, you can add these wires with the controller in place. **MAKE SURE THAT THE POWER IS OFF!**

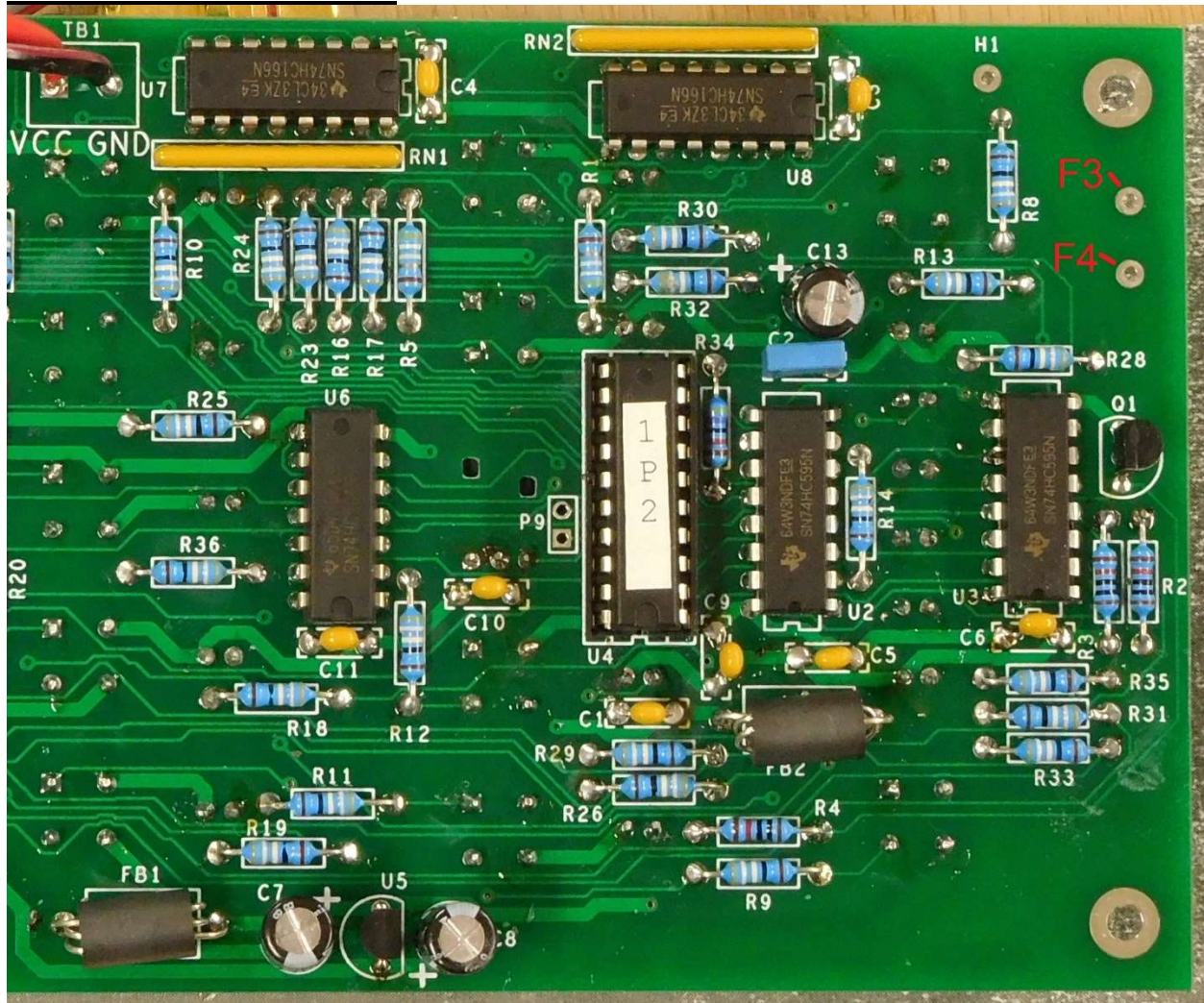


Figure 2-F3 and F4 are in the upper corner of the controller PCB

1. Connect the supplied 22 AWG solid orange wire from F3 eyelet on the controller to the MONO eyelet on the new PR102 Tone/Volume board.
2. Connect the supplied 22 AWG solid yellow wire from F4 eyelet on the controller to the NEG20DB eyelet on the new PR102 Tone/Volume board.