"HOW TO INSTALL MINI-XLR MATING CONNECTORS"

FIELD APPLICATION NOTE

If your PCI-TC board has one or more optional Mini-XLR audio connectors installed, you should have received one mating connector for each on-board Mini-XLR connector received. The following steps explain how to properly install the mating connectors:

1) Unscrew the black plastic hood from the back of the connector, then slip it over the end of the audio cable you will be using. Make sure that the threaded end of the hood is closest to the end of the cable.

2) Pull the 4-fingered cable clamp assembly out of the Mini-XLR connector body, then slip it over the end of the audio cable. Make sure that the black plastic end of the cable clamp assembly is closest to the end of the cable.

3) Gently tap or push the pin block out of the Mini-XLR connector shell, then carefully fill each of the three solder cup pins with solder.

4) Being careful not to cut any of the soft copper conductors, prepare the end of your audio cable by cutting back the outer insulation and shield by 11mm (7/16"), then stripping the end of each wire back by 3mm (1/8"), then tinning the end of each wire. If this is to be an "LTC output" cable (from our board's viewpoint), and you want to ground the cable shield at the signal source (i.e. our board), strip back the outer insulation to a total of 22mm (7/8") from the cable's end. This is usually not needed for LTC input cables.

5) Note the tiny pin numbers molded into the pin block face.

6) Sweat solder your ground wire to the pin 1 solder cup. Note that this pin is recessed slightly with respect to the other two pins (will always make the ground connection first).

7) Sweat solder your "LTC+" (red?) wire to the pin 2 solder cup (this is the pin farthest away from the flat side of the pin block).

8) Sweat solder your "LTC-" (black?) wire to the pin 3 solder cup (the only one left).

9) Push the pin block back into the Mini-XLR connector shell, then slide the cable clamp assembly firmly into place, then use pliers to clamp the four fingers around the cable (this keeps it from pulling out), optionally solder the four fingers to the cable shield (if this is an "LTC output" cable), then screw the black plastic hood onto the Mini-XLR connector.

THAT'S ALL!