



LIGO Laboratory / LIGO Scientific Collaboration

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Electrostatic Drive Soldering Procedure

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Step	What	Where	Time	People	Tools
	the glass, to prevent it from being knocked off. It helps to put a little solder on the iron tip to make a better thermal connection. Heat the inside lip of the tab simultaneously so that the solder wets the core wire. It may help to have a second person support the tab while the other solders. Again, use a large soldering iron tip.				
9	See the complete assembly in Figure 3.				
10	Check the conductivity from the pattern to the end of the cable. Check for shorts to the shield. Give the assembly a 'soft' tug to make sure it is on. Note, mechanically it is most likely to fail by peeling off, hence the reason for a maximum of 1 mm sticking out from the glass.			1	ohmmeter

Figure 3: The completed tab/cable assembly soldered to the ESD pattern. This picture was taken from a practice setup, so the CP will look slightly different.