

3.2 Fitting the Eclipse Isolation Card

All 4000 series panels (except the PD4203E and PD4206E) used with Eclipse systems should normally be fitted with an isolation card providing a separate RJ45 socket for connection to the Eclipse matrix. The original matrix connector is no longer used. For 1RU and 2RU rack mount panels the isolation card part number is 710684Z while the PD4294 desktop panel used part number 710685Z.

The steps required to install an isolation card are shown below.

Note:•The isolation cards should only be installed by authorized Vitec Group Communications engineers.

1. Remove the cover from the panel.
2. Remove the small 8 pin IC from the main board (see below)

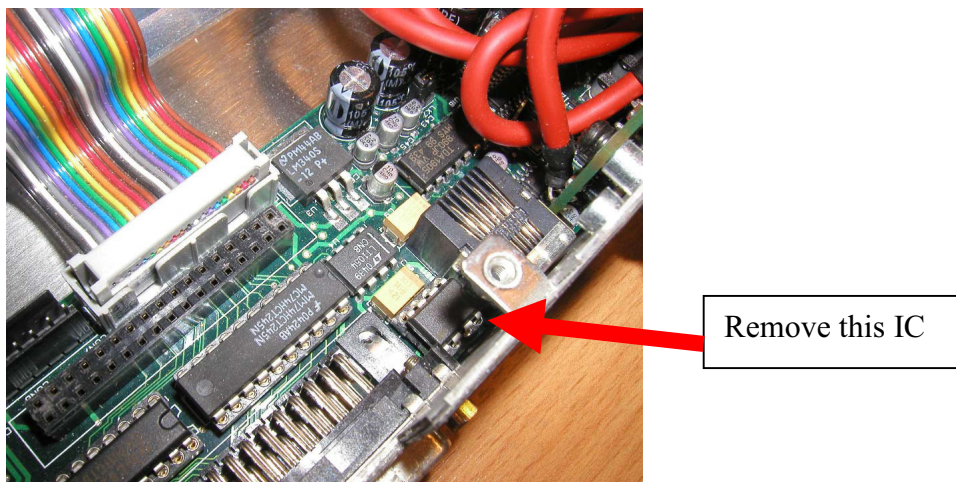


Figure 29 Step 1 IC Removal

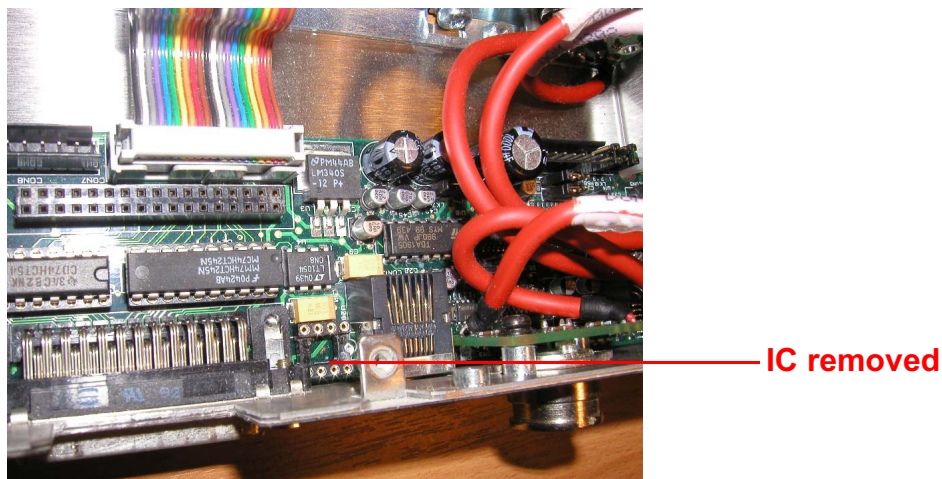


Figure 30 Step 2 - IC Removed

3. Fit the 710684Z isolation card (see below). Note the 4 pin connector on the 710684Z card fits onto the empty IC socket.

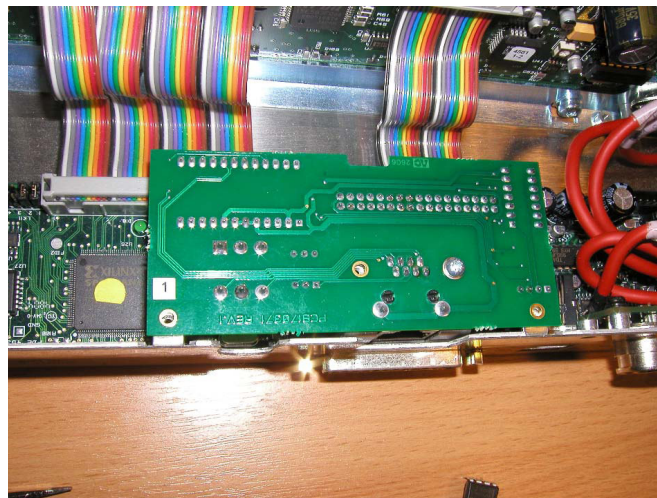


Figure 31 Top View of Isolation Card

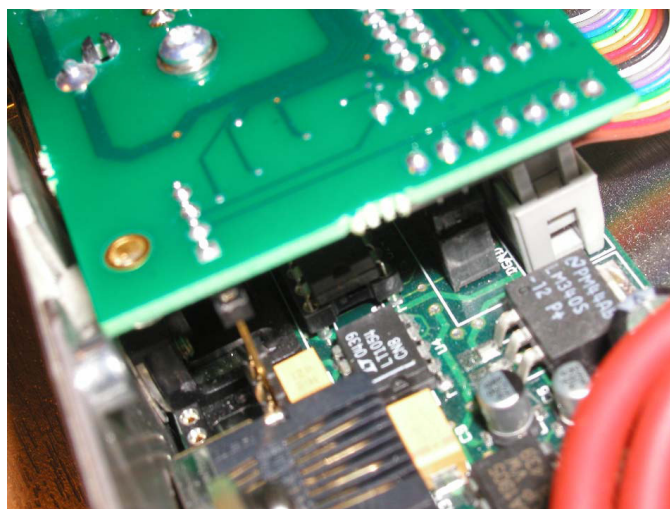


Figure 32 View of the Connection to IC Socket

4. The rear metalwork may have to be modified for the new RJ45 connector.
5. Replace panel cover.

5.1 PDE4536B Digital Options Card

Digital connection via CAT5 or coaxial with a 4000 Series 2 PD4222E panel is made possible by fitting the PDE4536B options card.

A standard female BNC type connector or RJ-45 connector is used to connect 4000 series II panels to an Eclipse matrix via a Digital interface such as an AES-6 or DIG-2.

In order to enable stereo on the PD4222E panel a jumper must be fitted to the PDE4536B card and two jumpers must be removed on the main PD4222E panel.