MPP70 Hardware Kit Installation Instructions for CDM-570L Modem

Introduction

The MPP70 Hardware Kit supports the IP Module for the CDM-570L modem. The Kit can be installed at the factory or added as a field-installed upgrade to CDM-570L modems currently deployed.

Kit Contents

Upgrade Kit Part Number KT/10922-70

HW/SEM440X1/4PH	4 each	4-40X1/4 SQ CONE PAN HD PHIL SS
PL-0001216	1 each	MODEM PACKET PROCESSOR
PL/9396-1	1 each	Cable – RJ11 to 9-Pin DSUB
Installation instructions	1 each	

CAUTION: Obey precautions for handling electrostatic-sensitive devices.

CAUTION: Make sure that all of the pins are accurately aligned when you are installing the MPP70 board.

Figure 1. MPP70 correctly installed in the CDM-570L modem

Install the MPP70 Kit

1. Stop the electrical power to the modem.
2. Disconnect the power cable.
3. Remove the screws from the top cover.
4. Remove the top cover.
5. Put the MPP70 board in position as shown in Figure 2. Make sure that the MPP70 connectors correctly engage with the rear panel holes.
6. You must do a visual inspection to make sure that all of the pins on the MPP70 are accurately aligned with the female header. You must allow sufficient time to make sure that all of the pins are accurately aligned.

WARNING: If any pin on the MPP70 is not aligned correctly, the modem will be damaged when power is started.

7. Replace the top cover.
8. Replace the top screws.
9. Connect the power cable.
10. Start the electrical power to reinitialize the modem.

Firmware Flash Upgrade

1. Go to www.comtechefdata.com
2. Click: Support
3. Click: Software Downloads
4. Click: Download Flash and Software Update Files
5. Click: Modems
6. Click: CDM-570-IP
7. Select the applicable firmware zip file and download it.
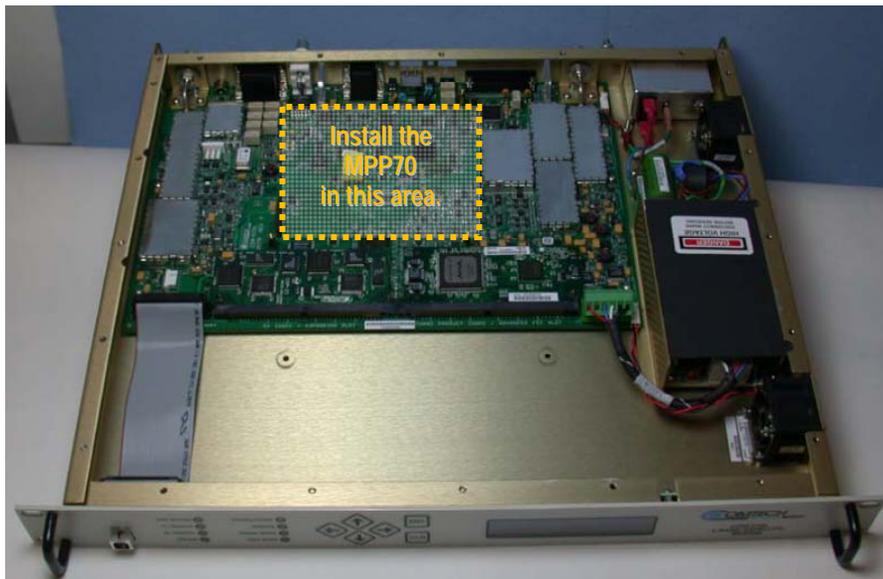8. The zip file contains installation instructions in a PDF file.

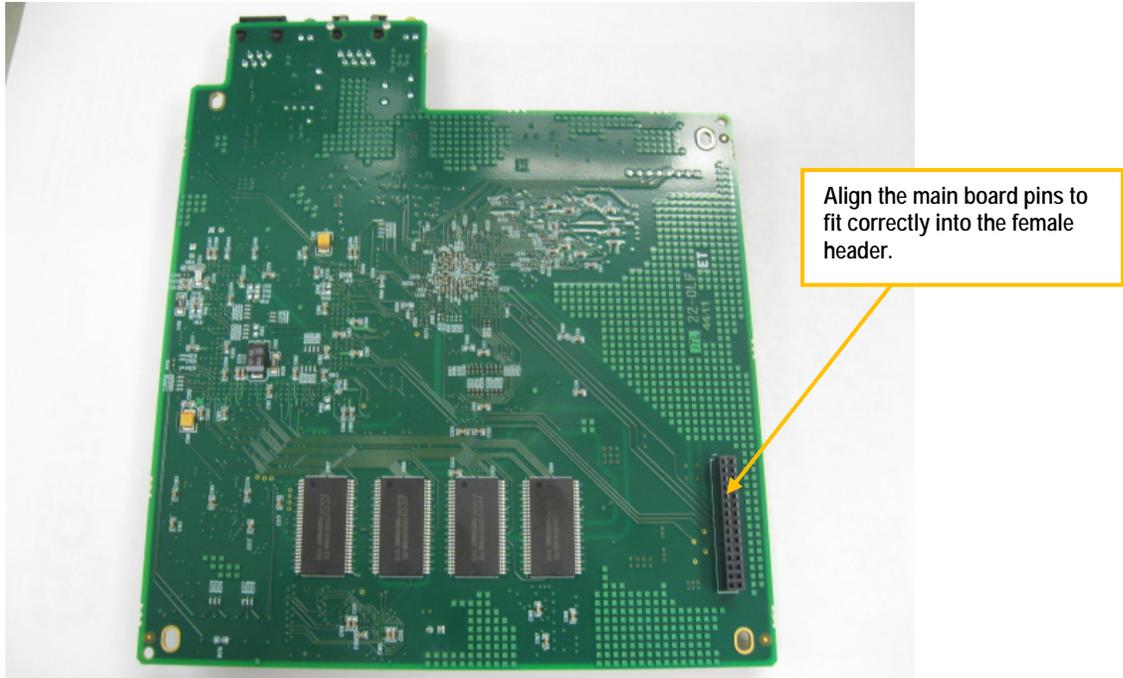**Figure 2. MPP70 properly installed in the CDM-570L modem**

Align the main board pins to fit correctly into the female header.

Figure 3. MPP70 Bottom side view

Make sure these connectors fit correctly through the rear panel slots of the modem.

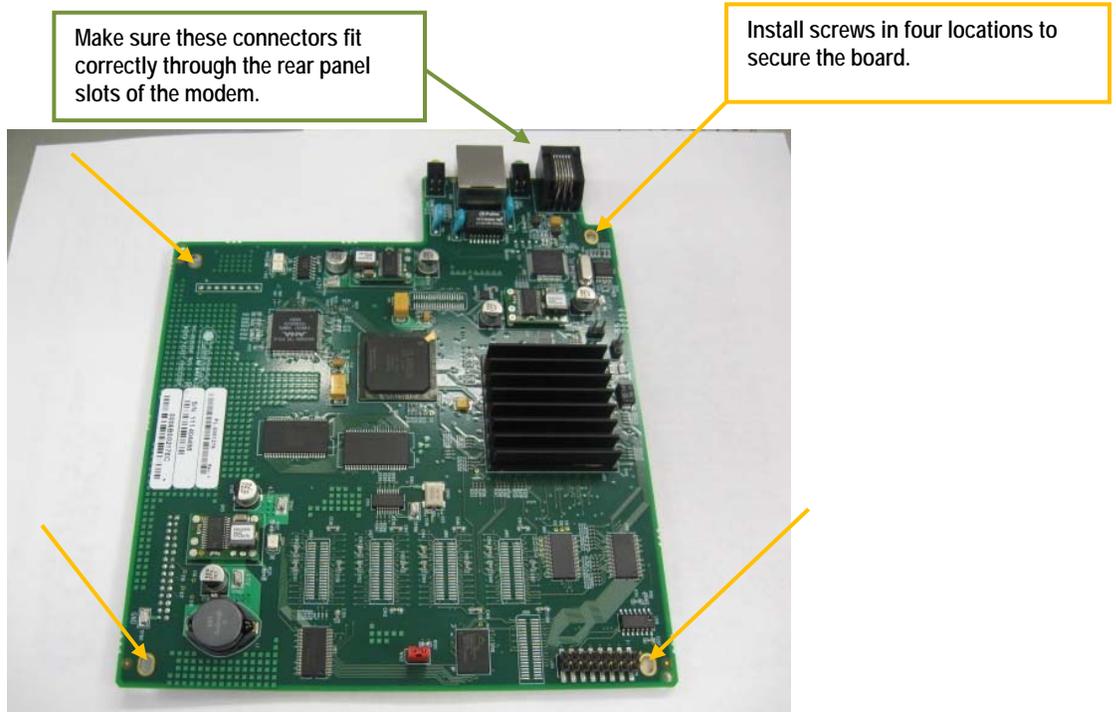Install screws in four locations to secure the board.

Figure 4. MPP70 Bottom side view

Figure 5. MPP70 board correctly installed in the CDM-570L modem