

## Rear Connector Plate and Modular DSU V.35 Adapter Installation Instructions

Document Number 3000-A2-GZ41-50

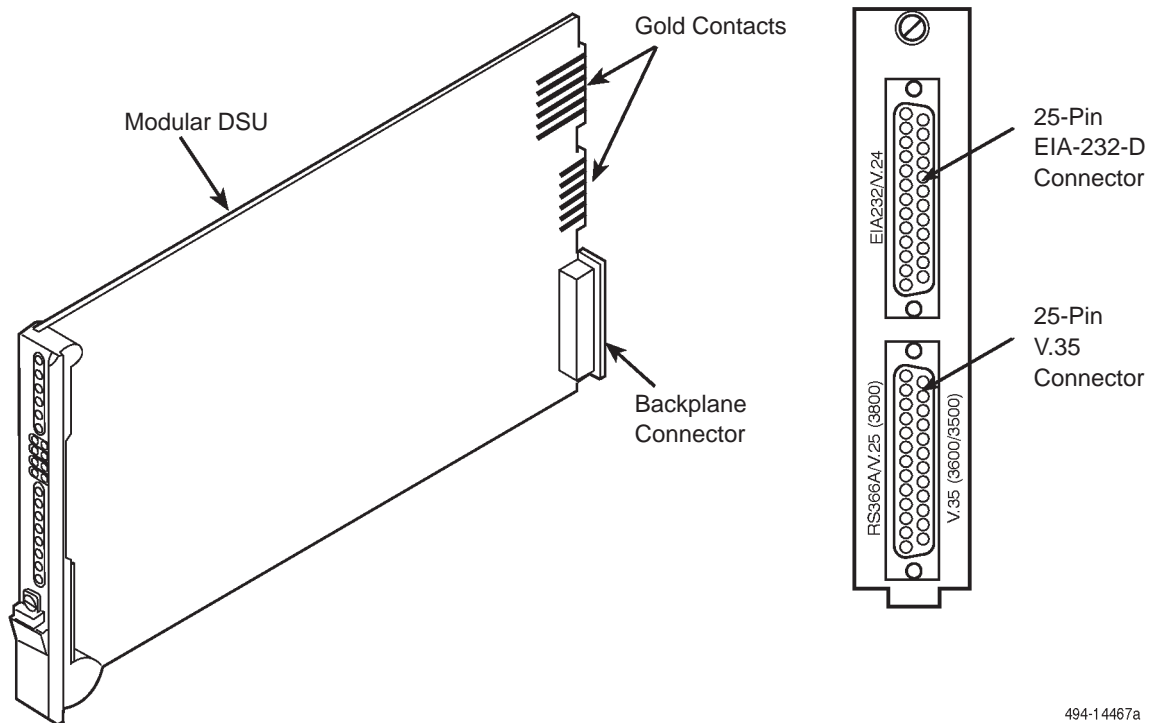
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### Overview

This document describes the installation procedure for the rear connector plate (Feature Number 3000-F1-021) and the modular Data Service Unit (DSU) V.35 adapter.

A rear connector plate is used with a modular DSU or a COMSPHERE® 3800 Series modem which has gold contacts on the rear edge of its circuit card (Figure 1). When the rear connector plate is installed in a COMSPHERE 3000 Series Carrier, you can remove the modular DSU or 3800 Series modem without disturbing the DTE cables attached to the rear connector plate at the back of the carrier.

The rear connector plate has two 25-pin DTE connectors. One is an EIA-232-D/V.24 connector and the other is an ITU-T V.35 connector. If your cable requires a 34-pin V.35 interface, you must use the V.35 adapter (Figure 3).



494-14467a

**Figure 1. A Modular DSU and Rear Connector Plate**

## Installing the Rear Connector Plate

Prior to installation, check the rear connector plate and V.35 adapter for damage. If either is damaged, report this immediately to your shipper and your service representative.

### **⚠ HANDLING PRECAUTIONS FOR STATIC-SENSITIVE DEVICES**

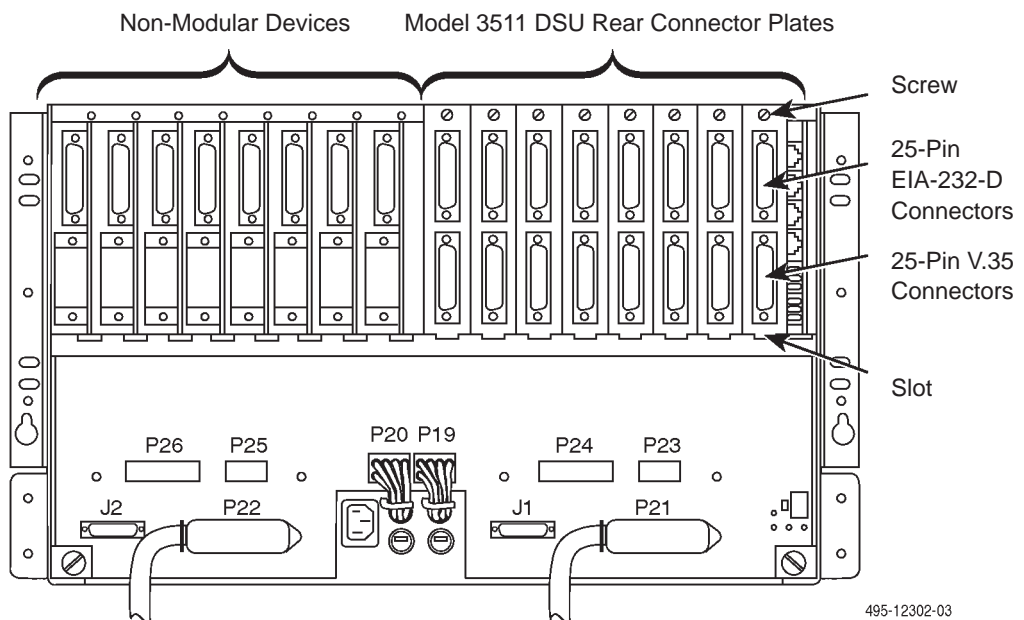


This product is designed to protect sensitive components from damage due to electrostatic discharge (ESD) during normal operation. When performing installation procedures, however, take proper static control precautions to prevent damage to equipment. If you are not sure of the proper static control precautions, contact your nearest sales or service representative.

To install a DSU and its rear connector plate for the first time:

#### **► Procedure**

1. At the rear of the carrier, set the tab on the rear connector plate into one of the slots on the carrier's backplane (Figure 2). Make sure the rear connector plate uses the same slot position intended for the DSU.
2. Loosely fasten the screw attached to the rear connector plate, allowing for slight adjustment that may be needed when installing the DSU.
3. At the front of the carrier, hold the DSU vertically with the latch on its faceplate in the open position. Then, insert the circuit card into the top and bottom circuit card guides for the slot that contains the rear connector plate.



**Figure 2. Rear View of the COMSPHERE 3000 Series Carrier**

4. Aligning the circuit card with the rear connector plate, slide the DSU into the slot until the connectors seat firmly into the back of the carrier.
5. Press the faceplate latch to secure the DSU in the carrier, rotate the circuit pack lock into the closed position, and tighten the screw.
6. Return to the rear of the carrier and tighten the rear connector plate screw.
7. At the rear of the carrier, connect the DTE to the rear connector plate (see Figure 2):
  - If you are using an EIA-232-D interface cable, connect the EIA-232-D cable to the top DTE connector on the rear connector plate.
  - If you are using a V.35 cable with a 34-pin connector, use the V.35 adapter as described in the next procedure.

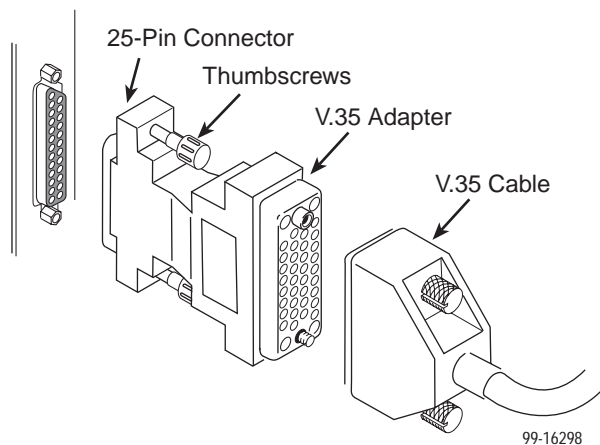
## Connecting to a 34-Pin V.35 Interface

To connect the V.35 adapter:

### ► Procedure

1. Connect the 25-pin end of the V.35 adapter to the bottom DTE connector on the rear connector plate. Tighten the screws on both sides of the adapter.
2. Connect the DTE's V.35 cable to the V.35 adapter. Tighten the screws on both sides of the cable connector.
3. If a ferrite choke was supplied with your DSU, install it on the V.35 cable as closely as possible to the adapter. Secure it in position, if necessary, with a cable tie.

Table 1 lists the pin assignments for the rear connector plate and the V.35 adapter.



**Figure 3. V.35 Adapter**

**Table 1. Rear Connector and V.35 Adapter Pin Assignments**

25-Pin Connector on Rear Connector Plate	34-Pin Connector on V.35 Adapter	Circuit Name
7	B	Signal Ground
4	C	Request-to-Send (RTS)
5	D	Clear-to-Send (CTS)
6	E	Data Set Ready (DSR)
8	F	Received Line Signal Detect (RLSD)
20	H	Data Terminal Ready (DTR)
21	J	Ring Indicator (RI) *
18	L	Local Loopback (LL)
19	N	Remote Digital Loopback (RL)
24, 11	P, S	Transmitted Data (TXD)
23, 22	R, T	Received Data (RXD)
15, 2	U, W	Transmitter Signal Element Timing – DTE Source
16, 3	V, X	Receiver Signal Element Timing – DCE Source
14, 1	Y, AA	Transmitter Signal Element Timing – DCE Source
9	HH	Positive dc Test Voltage
10	KK	Negative dc Test Voltage
25	NN	Test Mode (TM)

\* Ring Indicator is available only on a DMB-S or a DBM-V.

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