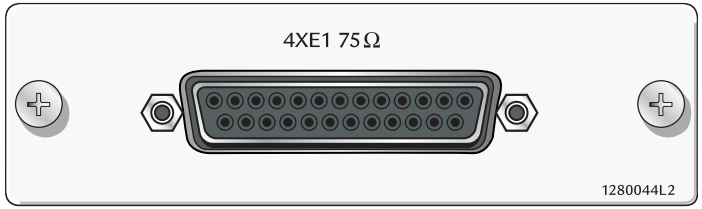
ADTRAN
Quick Start Guide

TRACER QUAD E1 MODULE

P/N 1280044L2



DB-25 Connection Pinout

Pin	Name	Description
1	E1D RX TIP	Receive signal for E1 D interface
2	E1D TX TIP	Output signal for E1 D interface
3	GND	Ground
4	E1C RX TIP	Receive signal for E1 C interface
5	E1C TX TIP	Output signal for E1 C interface
6	GND	Ground
7	E1B RX TIP	Receive signal for E1 B interface
8	E1B TX TIP	Output signal for E1 B interface
9	GND	Ground
10	E1A RX TIP	Receive signal for E1 A interface
11	E1A TX TIP	Output signal for E1 A interface
12-25	GND	Ground

Specifications

Capacity:	4xE1 (CCITT G.703) – 8.192 Mbps
Interface Type:	G.703, G.704, and G.823 Compliant (BNC interfaces only)
Connectors:	DB-25 with optional breakout panel providing 75Ω BNCs
Line Code:	HDB3 (default), AMI
Alarms:	LOS, LCV, AIS, RMT, OOF, CRC
Loopbacks:	Local and remote line, local and remote link

Installation Instructions

CAUTION

The TRACER Quad E1 Module is not hot-swappable. Remove power from the TRACER system before installing or removing the module.

1. Remove the cover plate from the appropriate option slot in the TRACER rear panel.
2. Slide the TRACER Quad E1 Module into the option slot until the module is firmly positioned in the chassis.
3. Secure the thumbscrews at both edges of the module. Tighten with a screwdriver.
4. Connect the cables to the associated device(s).
5. Complete installation of remaining modules and system as specified in the TRACER 6000 Series System Manual.

DB-25 TO 75Ω UNBALANCED CABLE PINOUT

E1 Cable Interface	DB-25 Male (TRACER Side)	DB-25 Male (Breakout Panel)
Channel 1 Input	10	14
Channel 1 Output	11	3
Channel 2 Input	7	17
Channel 2 Output	8	6
Channel 3 Input	4	20
Channel 3 Output	5	9
Channel 4 Input	1	23
Channel 4 Output	2	12
Ground	All other pins	All other pins

CONNECTING THE QUAD E1 MODULE INTERFACES

The physical E1 interfaces are provided using a single DB-25 interface, an adapter cable, and a BNC breakout panel. Connect the end of the adapter cable (labeled **TO RADIO**) to the module's DB-25 connector, and then attach the other end of the cable (labeled **TO PANEL**) to the BNC breakout panel. The 75Ω unbalanced interfaces provided by the breakout panel are available for connection to standard E1 DTE devices (see Figure 1).

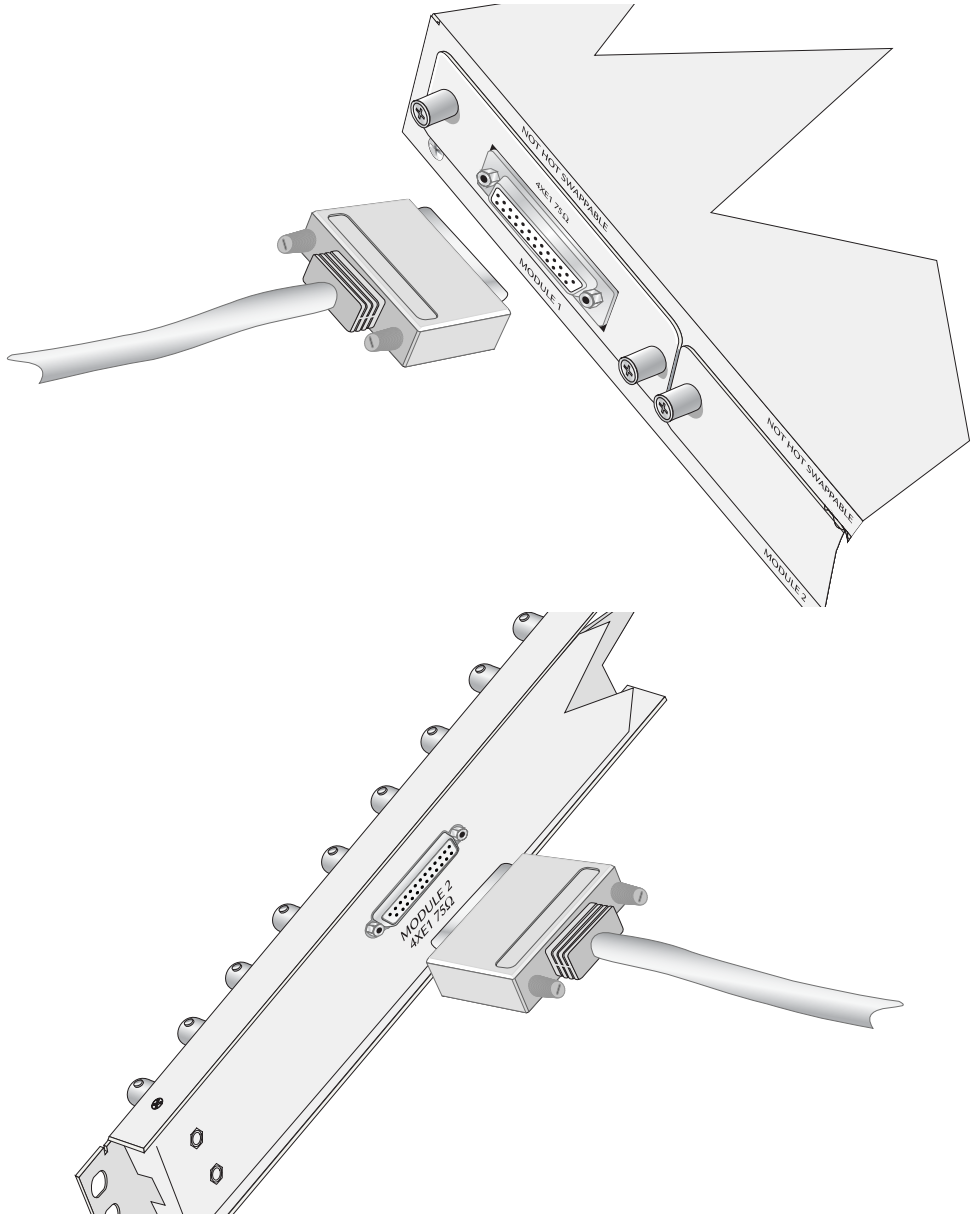


FIGURE 1. E1 CONNECTION WITH BREAKOUT PANEL