



## Connector and Pinout Specifications

This appendix provides information about connectors and pinouts for configuration of the Cisco 6260 system.

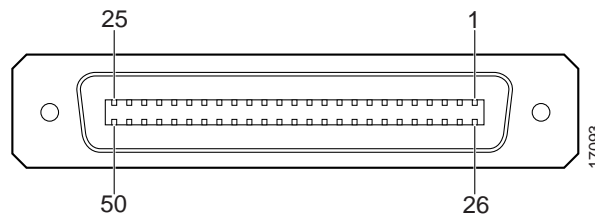
### C.1 xDSL Connectors

Ten female RJ-21 (Champ) subscriber connectors are located at the top of the Cisco 6260 chassis, facing forward. These 50-pin sockets provide the DSL subscriber connections. Each subscriber connector serves three line card slots. This connection can be made by either of the following methods:

- Through a POTS splitter for voice and data applications (Cisco 6260 with a POTS splitter configuration)
- Directly for data only applications (Cisco 6260 without a POTS splitter configuration)

Figure C-1 shows connector pin locations for the xDSL Champ connectors. Pin locations are the same for all Champ connectors.

*Figure C-1 xDSL Connector Pin Locations*



### C.2 I/O Module Connectors

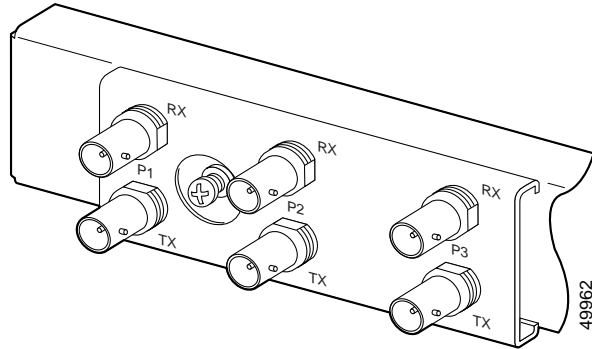
This section provides information about the external interface connectors for the Cisco 6260 I/O module.

## C.2.1 E3 I/O Module BNC Connectors

Three sets of two vertically paired E3 75-ohm coaxial BNC connectors reside on the left side of the I/O module faceplate. The P1 connectors serve as the network trunk connections. The P2 and P3 connectors support subtending to additional Cisco 6260 chassis. Each set has both a receive (RX) connector and a transmit (TX) connector.

Figure C-2 shows a close-up of the E3 connectors.

*Figure C-2 BNC Connectors on the E3 I/O Module*

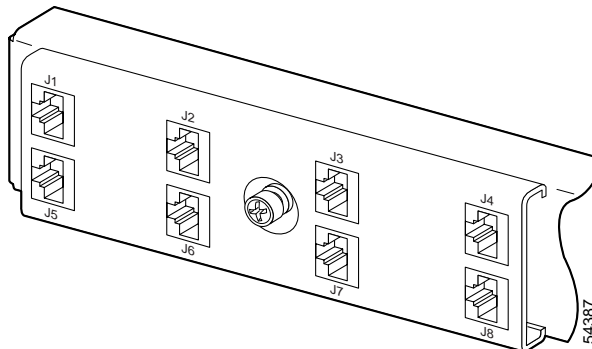


## C.2.2 E1 I/O Module RJ-48c Connectors

Four sets of two vertically paired E1120-ohm RJ-48c connectors are located on the left side of the I/O module faceplate. Each E1 interface can be used as a WAN trunk connection, an individual E1 subtend link, a connection to an IMA subtending group, or a connection to an IMA group trunk interface.

Figure C-3 shows a close-up of the E1 connectors.

*Figure C-3 RJ-48c Connectors on the E1 I/O Module*



## C.3 I/O Module Wire-Wrap Pins

There are 36 wire-wrap pins located on the right side of each I/O module faceplate that support

- Central office alarm relay interfaces (visual and audible critical, major, and minor)
- BITS clock input circuits
- Wire-wrap and socket-type connections

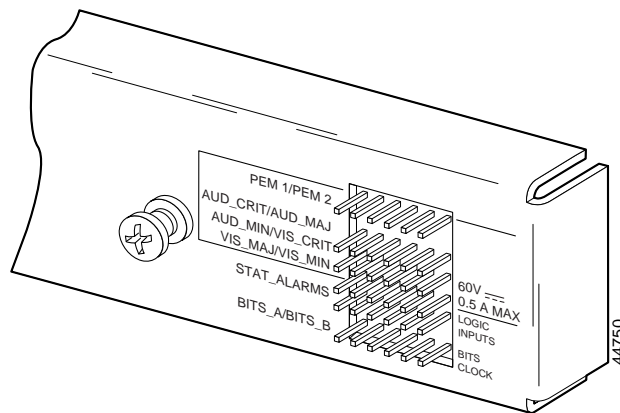
Table C-1 lists the pinout descriptions for the I/O module wire-wrap pins and Figure C-4 shows a close-up of the I/O module wire-wrap pins.

**Table C-1 I/O Module Wire-Wrap Pin Mapping**

Pin	Row 1	Row 2	Row 3	Row 4	Row 5	Row 6
1	PEM <sup>1</sup> 1_BR <sup>2</sup> _CO	AUD <sup>3</sup> _CRIT <sup>4</sup> _CO	AUD_MIN <sup>5</sup> _CO	VIS <sup>6</sup> _MAJ <sup>7</sup> _CO	Reserved	RX_BITS <sup>8</sup> _TIPA
2	PEM1_BR_NO	AUD_CRIT_NO	AUD_MIN_NO	VIS_MAJ_NO	Reserved	RX_BITS_RINGA
3	PEM1_BR_NC	AUD_CRIT_NC	AUD_MIN_NC	VIS_MAJ_NC	Reserved	RX_BITS_GND/GND
4	PEM2_BR_CO	AUD_MAJ_CO	VIS_CRIT_CO	VIS_MIN_CO	Reserved	RX_BITS_TIPB
5	PEM2_BR_NO	AUD_MAJ_NO	VIS_CRIT_NO	VIS_MIN_NO	ACO_NO	RX_BITS_RINGB
6	PEM2_BR_NC	AUD_MAJ_NC	VIS_CRIT_NC	VIS_MIN_NC	GND	RX_BITS_GND/GND

1. PEM = power entry module
2. BR = breaker
3. AUD = audible
4. CRIT = critical alarm
5. MIN = minor alarm
6. VIS = visible
7. MAJ = major alarm
8. RX\_BITS = receive building-integrated timing source

**Figure C-4 I/O Module Wire-Wrap Pins Close-Up**



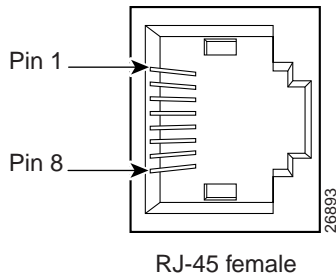
## C.4 Console and Auxiliary Ports

The console and auxiliary ports, which are two identical serial EIA/TIA-232 ports, use RJ-48 receptacle connectors on the NI-2 card faceplate. [Table C-2](#) shows the pin assignments, and [Figure C-5](#) shows an RJ-48 receptacle connector.

*Table C-2 Pin Assignments for the NI-2 Card Console and Auxiliary Connectors*

Pin Number	Signal
1	RTS
2	DTR
3	TXD
4	GND
5	GND
6	RXD
7	DSR
8	CTS

*Figure C-5 NI-2 Card Console and Auxiliary Connector*



## C.5 Ethernet Port

The Ethernet port, a 10BaseT interface with an RJ-48 receptacle connector, is on the NI-2 card faceplate. It is used to connect the Cisco 6260 to the management station, a Sun SPARCstation running Cisco DSL Manager (CDM) software. [Table C-3](#) shows the pin assignments, and [Figure C-6](#) shows an NI-2 card Ethernet connector.

*Table C-3 Pin Assignments for the NI-2 Card Management Ethernet Connector*

Pin Number	Signal
1	TX+
2	TX-
3	RX+
4	Unused
5	Unused
6	RX-
7	Unused
8	Unused

*Figure C-6 NI-2 Card Management Ethernet Connector*

