



Connector and Pinout Specifications

This appendix provides information about connectors, receptacles, and pinouts for a Cisco 6015 system.

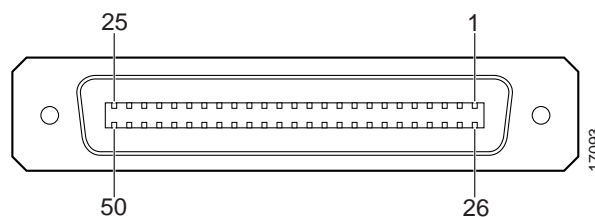
C.1 xDSL Connectors

The DSL interface module of the Cisco 6015 chassis contains two Champ connector receptacles that connect to the ATU-C twisted-pair subscriber data interface. This connection can be made by either of the following methods:

- Through a POTS splitter for voice and data applications (Cisco 6015 with a POTS splitter configuration)
- Directly for data only applications (Cisco 6015 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



Note

You must screw all cables into the backplane and tie wrap the Champ connectors (see [“Cabling Guidelines”](#) section on page B-1).

C.2 T1/E1 Connectors

The RJ-48 receptacles on the network Input/Output (I/O) module are pinned out at customer premises equipment rather than central office equipment. Connecting from one T1/E1 connector to another T1/E1 connector requires a crossover cable.

Table C-1 lists the pinout descriptions for the T1/E1 connectors.

Table C-1 T1/E1 Connector Pinouts

Pin Number	Signal Name
1	RX ring
2	RX tip
3	Not used
4	TX ring
5	TX tip
6	Not used
7	Not used
8	Not used

C.3 Rear Interface Header

The only rear-accessible chassis component is the 5-pin header that connects the BITS interface (network clocking) and the facility alarm input.

Figure C-2 shows a close view of the pinouts that are located on the back of the Cisco 6015 chassis.

Figure C-2 Cisco 6015 5-Pin Header

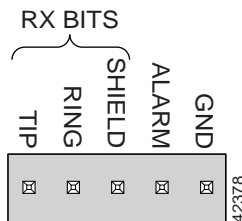


Table C-2 lists the pinout descriptions for the header contacts.

Table C-2 Cisco 6015 5-Pin Header Contact Pinouts

Function	Connector	Pin
BITS Interface	Tip	1
	Ring	2
	Shield	3
Facility Alarm Input	Alarm	4
	Ground	5

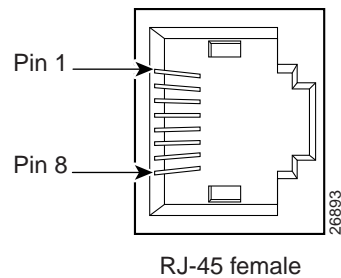
C.4 Console and Auxiliary Ports

The console and auxiliary ports, which are two identical serial EIA/TIA-232 ports, use RJ-45 receptacles on the NI-2 card faceplate. [Table C-3](#) shows the console and auxiliary pin assignments, and [Figure C-3](#) shows an RJ-45 receptacle.

Table C-3 Pin Assignments for the NI-2 Card Console and Auxiliary Receptacles

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

Figure C-3 NI-2 Card Console and Auxiliary Receptacles



RJ-45 female

C.5 Ethernet Port

The Ethernet port, a 10BaseT interface with an RJ-45 receptacle, is located on the NI-2 card faceplate. The Ethernet port is used to connect the Cisco 6015 to the management station, which is a Sun SPARCstation running Cisco DSL Manager (CDM) software. [Table C-4](#) shows the Ethernet port pin assignments, and [Figure C-4](#) shows an NI-2 card Ethernet receptacle.

Table C-4 Pin Assignments for the NI-2 Card Management Ethernet Receptacle

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

Figure C-4 NI-2 Card Management Ethernet Receptacle

