

Connector Pinouts

This appendix describes the connectors for the following types of Catalyst 2800 modules:

- FDDI modules
- Fast Ethernet modules

FDDI Modules

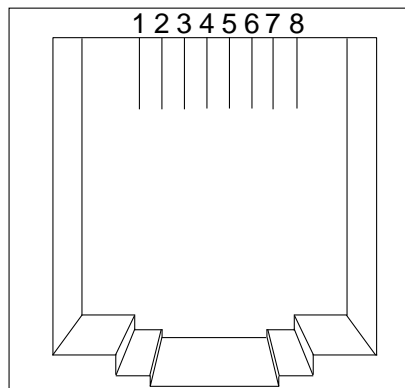
This section describes the following:

- UTP RJ-45 connector
- FDDI MIC connectors
- Optical bypass switch connector

UTP SAS Connector Pinouts

The UTP SAS module uses standard RJ-45 connectors. The arrangement of the pins is shown in Figure B-1. Note that connector shells are attached to chassis ground. Stations are always attached with a cross-over cable.

Figure B-1 RJ-45 Connector



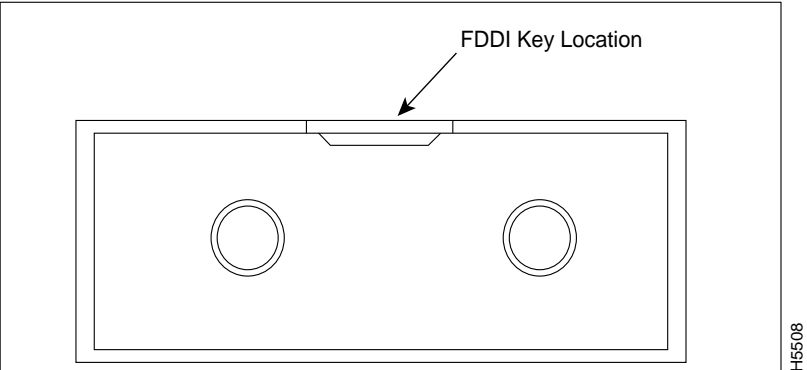
Pin	
1	TX+
2	TX-
3	NC
4	NC
5	NC
6	NC
7	RX+
8	RX-

H45507

FDDI Fiber Connector Pinouts

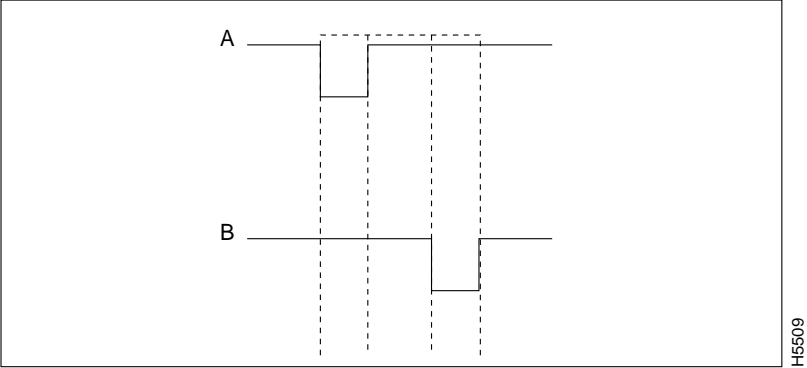
The FDDI module uses standard MIC connectors, as shown in Figure B-2.

Figure B-2 FastMate FDDI MIC Connectors



The receptacle keys for ports A and B of the FastMate Fiber DAS module are shown in a simplified form in Figure B-3.

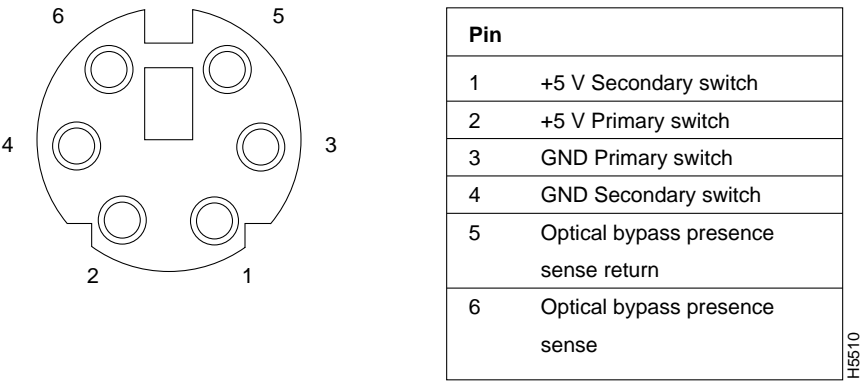
Figure B-3 Receptacle Keys for Ports A and B



Optical Bypass Switch Connector Pinout

The Fiber DAS module uses a 6-pin mini-DIN connector for the optical bypass switch. The pin arrangement is shown in Figure B-4.

Figure B-4 Six-Pin Mini-DIN Connector



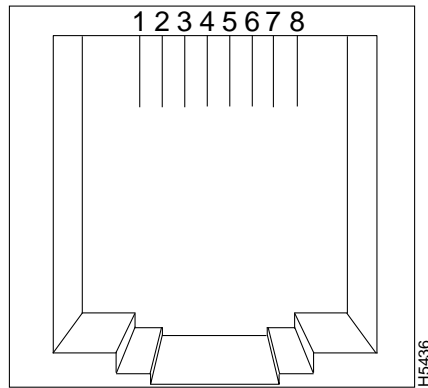
Fast Ethernet Pinouts

This section describes the two connectors for the Catalyst 2800 Fast Ethernet modules:

- 100Base-TX RJ-45 connectors
- 100Base-FX ST connectors

100Base-TX Connector Pinouts

The 100Base-TX modules use standard RJ-45 connectors. The arrangement of the pins is shown in Figure B-5, and the pinouts are shown in Table B-1.

Figure B-5 100Base-TX Connector**Table B-1 100Base-TX Connector**

Pin	
1	RD+
2	RD-
3	TD+
4	NC
5	NC
6	TD-
7	NC
8	NC

Connector shells are attached to chassis ground. The 100Base-TX ports have their transmit (TD) and receive (RD) pairs internally crossed (designated by the **x**) for attachment to an adapter using a straight-through cable.

The straight-through and crossover cable schematics are shown in Figure B-6 and Figure B-7.

Figure B-6 Straight-through Cable Schematic

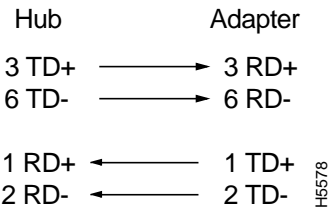
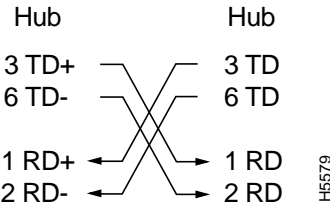


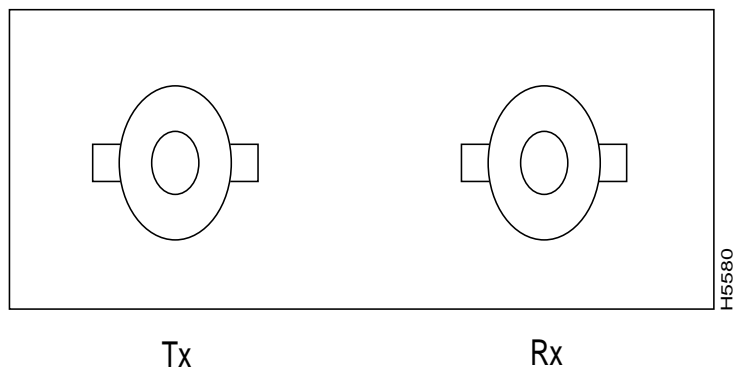
Figure B-7 Crossover Cable Schematic



100Base-FX Connector Pinouts

The 100Base-FX modules use standard ST connectors. The arrangement of the pins is shown in Figure B-8.

Figure B-8 100Base-FX Connector



Fast Ethernet Pinouts
