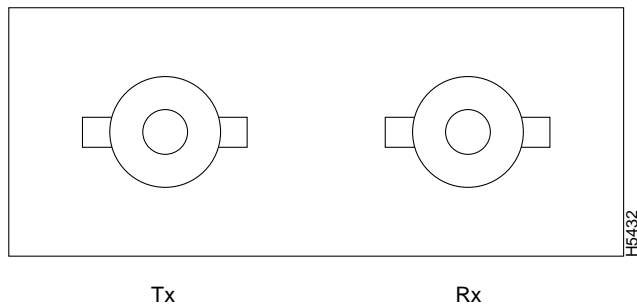# FastHub 116C Connectors

This appendix describes the FastHub 116C connectors.

100Base-FX Connector

Port 16 uses a standard ST connector. The arrangement of the pins is shown in Figure B-1.

Figure B-1   **100Base-FX Connector**

Tx   Rx

100Base-TX Connector

Ports 1 through 15 use standard RJ-45 connectors. The arrangement of the pins is shown in Figure B-2 and the pinouts are shown in Table B-1.
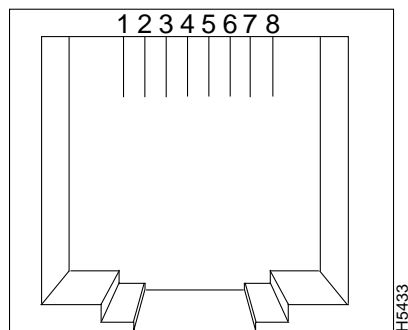
Figure B-2   RJ-45 Connectors

Table B-1   100Base-TX Connector Pinouts

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

The shell for each connector is connected to the chassis ground. The 100Base-TX ports have their transmit (TD) and receive (RD) pairs internally crossed (shown with an **x**) for attachment to an adapter using a straight-through cable. The straight-through and crossover cable schematics are shown in Figure B-3 and Figure B-4.
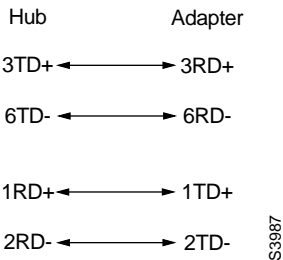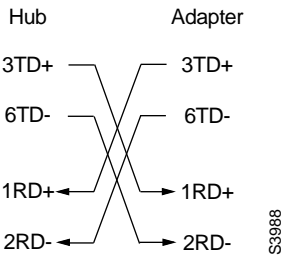
Figure B-3   Straight-Through Cable Schematic

Hub   Adapter

3TD+ ◄────────► 3RD+

6TD- ◄────────► 6RD-

1RD+ ◄────────► 1TD+

2RD- ◄────────► 2TD-   S3987

Figure B-4   Crossover Cable Schematic

Hub   Adapter

3TD+ ─┐   ┌─ 3TD+

6TD- ─┐ ╲   ╱ ┌─ 6TD-

1RD+ ◄──┘ ╳ └──► 1RD+

2RD- ◄──┘   └──► 2RD-   S3988

100Base-TX Connector