



## Connector and Cable Specifications

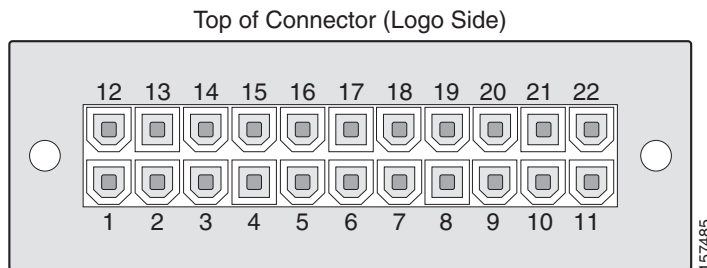
This appendix describes the cables that you use to connect the RPS 2300 to other devices. It includes the connector and pinout specifications for these cables:

- [RPS Cable for the Catalyst 3750-E and 3560-E Switches, page B-1](#)
- [RPS Cable for Other Supported Switches, page B-3](#)

### RPS Cable for the Catalyst 3750-E and 3560-E Switches

The RPS cable for the Catalyst 3750-E and 3560-E switches (CAB-RPS-2300-E=) is a 48-inch (1.5-meter) cable with a 22-pin connector on each end. The connectors are keyed for insertion in the correct orientation. [Figure B-1](#) shows the connector, and [Table B-1](#) has the pinout information.

**Figure B-1** 22-Pin RPS Connector



**Table B-1** 22-Pin-to-22-Pin Connector Pinouts

Pin Number	22-Pin RPS Designation	22-Pin Designation
1	IOS_52N	IOS_52N
2	IOS_52N	IOS_52N
3	IOS_52N	IOS_52N
4	Status 0	Status 0
5	Status 1	Status 1
6	LU present <sup>1</sup>	RPS present
7	12 V	12 V
8	12 V	12 V
9	12 V	12 V
10	12 V	12 V
11	12 V	12 V
12	-52 V RTN	-52 V RTN
13	-52 V RTN	-52 V RTN
14	-52 V RTN	-52 V RTN
15	SMB DA <sup>2</sup>	SMB DA
16	GND	GND
17	SMB CK <sup>3</sup>	SMB CK
18	GND	GND
19	GND	GND
20	GND	GND
21	GND	GND
22	GND	GND

1. LU=load unit.
2. SMB CA=Serial management bus data.
3. SMB DA=Serial management bus clock.

# RPS Cable for Other Supported Switches

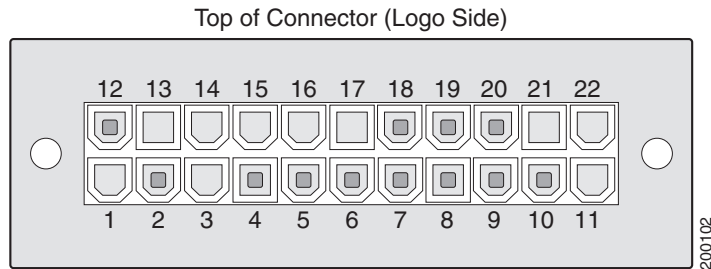
The RPS cable (CAB-RPS-2300=) used with other supported switches is a 48-inch (1.5-meter) cable with a 22-pin connector on one end and a 14-pin connector on the other end. [Figure B-2](#) and [Figure B-3](#) show the connectors, and [Table B-1](#) has the pinout information.



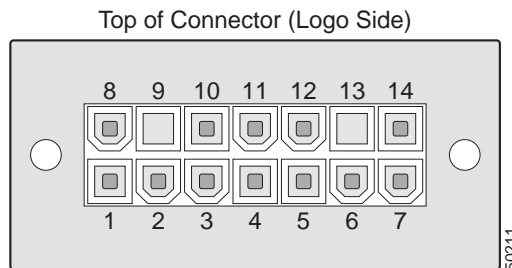
**Note**

Do not use this cable with a Catalyst 3750-E or 3560-E switch.

**Figure B-2** 22-pin RPS Connector to the RPS 2300



**Figure B-3** 14-pin RPS Connector to the External Device



**Table B-2** 22-Pin to 14-Pin Connector Pinouts

Pin Number	22-Pin RPS Switch Designation	14-Pin RPS Designation
1	Not connected	-52 V RTN
2	-52 V	-52 V
3	Not connected	12 V
4	Status 0	12 V
5	Status 1	12 V
6	LU_PRES (LU present)	12 V
7	12 V	GND
8	12 V	GND
9	12 V	Not connected
10	12 V	RPS present
11	Not connected	Status 0
12	-52 V RTN	Status 1
13	Not connected	Not connected
14	Not connected	GND
15	Not connected)	—
16	Not connected)	—
17	Not connected)	—
18	GND	—
19	GND	—
20	GND	—
21	Not connected	—
22	Not connected	—