Appendix F

Pin Outs

F.1 SFP Connector Pin Outs

Each of the SFP host or expansion ports is comprised of a case bottom, an EMI case, and a 20-pin host connector. These port sockets receive Small-Form-Factor fiber optic and copper-based transceivers. You may contact our technical support for an updated list of SFP transceiver modules that have been tested to comply with the sockets.

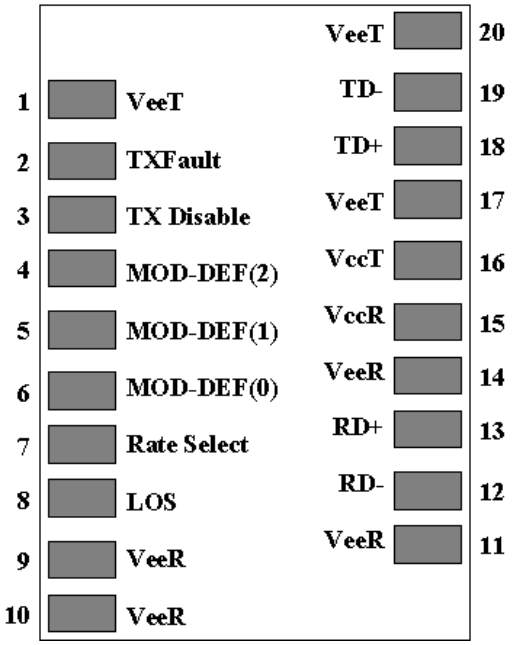

Figure F- 1: SFP Connector Pin-Outs

Pin	Pin Name	Pin Description
1	V_{EET}	Transmitter Ground (Common with Receiver Ground)
2	T_{FAULT}	Transmitter Fault. Not supported
3	T_{DIS}	Transmitter Disable. Laser output disabled on high or open.
4	MOD_DEF(2)	Module Definition 2. Data line for Serial ID.
5	MOD_DEF(1)	Module Definition 1. Clock line for Serial ID.
6	MOD_DEF(0)	Module Definition 0. Grounded within the module.
7	Rate Select	No connection required
8	LOS	Loss of signal indication. Logic 0 indicates normal operation.
9	V_{EER}	Receiver Ground (Common with Transmitter Ground)
10	V_{EER}	Receiver Ground (Common with Transmitter Ground)
11	V_{EER}	Receiver Ground (Common with Transmitter Ground)
12	RD-	Receiver inverted DATA out. AC coupled
13	RD+	Receiver Non-inverted DATA out. AC coupled
14	V_{EER}	Receiver Ground (Common with Transmitter Ground)

15	V_{CCR}	Receiver Power Supply
16	V_{CCT}	Transmitter Power Supply
17	V_{EET}	Transmitter Ground (Common with Receiver Ground)
18	TD+	Transmitter Non-Inverted DATA in. 100 ohm termination between TD+ and TD-, AC Coupled thereafter.
19	TD-	Transmitter inverted DATA in. See TD+
20	V_{EET}	Transmitter Ground (Common with Receiver Ground)

Table F- 1: SFP Pin Out Definitions

F.2 DB9 Audio Jack Pinouts

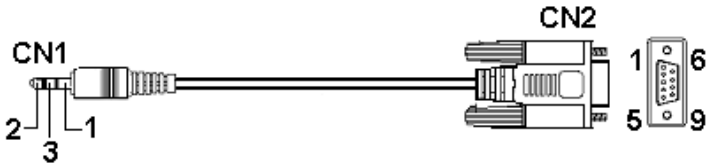

Figure F- 2: RS-232C (Audio Jack) Pin Outs

CN1 Pin Number	Pin Name	CN2 Pin Number
1	Ground	5
2	Brown	3
3	Black	2

For CN 2	Pin 4 and Pin 6 are short	Pin 7 and Pin 8 are short

F.3 Ethernet Port Pinouts

Pin	Pin Name	Pin	Pin Name
1	LAN_TXP	**7**	LAN_RXP
2	LAN_TXN	**8**	LAN_RXN
3	CT	**9**	Pulled High for Pin 10
4	N1	**10**	LAN_LEDG (Link OK)
5	N1	**11**	Pulled High for Pin12
6	CT	**12**	LAN_LEDY (Data transfer)

F.4 Mains Power

IEC type receptacle.

F.5 Drive Expansion Ports

Same as host SFP sockets.

APPENDIX F: PIN OUTS F-1

F.1 SFP CONNECTOR PIN OUTS F-1
F.2 DB9 AUDIO JACK PINOUTS F-3
F.3 ETHERNET PORT PINOUTS F-4
F.4 MAINS POWER F-4
F.5 DRIVE EXPANSION PORTS F-4