

**NxT1 HSSI/V-35 MODULE**For more detailed documentation, visit us online at www.adtran.com**P/N 1200346L2****INSTALLATION INSTRUCTIONS**

1. Remove the cover plate from the appropriate option slot in the ATLAS 550 Base Unit.
2. Slide the NxT1 HSSI/V-35 Module into the option slot until the module is firmly positioned against the front of the chassis.
3. Secure the thumbscrews at both edges of the module. Tighten with a screwdriver.
4. Connect the cables to the associated device(s).
5. Complete installation of remaining modules and Base Unit as specified in the Installation chapter of the ATLAS 550 System Manual.

SPECIFICATIONS

HSSI Rate:	Up to 11.04 Mbps
V.35 Rate:	Up to 5.62 Mbps
T1 Links:	HSSI Interface – 1 to 8 Total T1 Links (up to 4 from module T1 interfaces and up to 4 from other T1 modules)
	V.35 Interface – 1 to 4 Total T1 Links (in any combination of module T1 interfaces and other T1 modules)
T1 Line Rate:	1.544 Mbps $\pm$ 75 kbps
T1 Line Framing:	D4 or ESF per ANSI T1.403 and AT&T TR 54016
T1 Testing:	Line or payload loopback (Local and Remote)
Environmental:	Operating Temperature: 0°C to 50°C Storage Temperature: -40°C to 70°C Relative Humidity: 85% non-condensing
Connectors:	T1 Interfaces: RJ-45C HSSI Interface: 50 pin SCSI-II Female

HSSI/V.35 (SCSI-50) PINOUT

PINF (+ side)	PINF (- side)	Direction	Description
1	26	—	HSSI SG - Signal Ground
2	27	O	HSSI RT - Receive Timing
3	28	O	HSSI CA - DCE Available
4	29	O	HSSI RD - Receive Data
5	30	O	HSSI LC - Loopback Circuit C
6	31	O	HSSI ST - Send Timing
7	32	—	HSSI SG - Signal Ground
8	33	I	HSSI TA - DTE Available
9	34	I	HSSI TT - Terminal Timing
10	35	I	HSSI LA - Loopback Circuit A
11	36	I	HSSI SD - Send Data
12	37	I	HSSI LB - Loopback Circuit B
13	38	—	HSSI SG - Signal Ground
—	39	—	Auxiliary to DCE (Reserved)
14	—	I	V.35 RTS - Request to Send
15	40	I	V.35 TT - Terminal Timing
16	41	I	V.35 SD - Send Data
—	42	O	V.35 DCD - Data Carrier Detect
17-18	43	—	Auxiliary to DCE (Reserved)
19	44	—	HSSI SG - Signal Ground
20	45	O	V.35 ST - Send Timing
21	46	O	V.35 RT - Receive Timing
22	47	O	V.35 RD - Receive Data
23	—	O	V.35 CTS - Clear to Send
—	48	I	V.35 Ground/Present
24	49	O	HSSI TM - Test Mode
25	50	—	HSSI SG - Signal Ground

T1 NETWORK CONNECTION PINOUT

Pin	Name	Description
1	RT RXDATA	Receive data from the network ring
2	T1 RXDATA	Receive data from the network tip
3, 6, 7, 8	Unused	n/a
4	R TXDATA	Send data towards the network ring
5	T TXDATA	Send data towards the network tip

