HD SERIES 32 CHANNEL RS422 CONNECTOR

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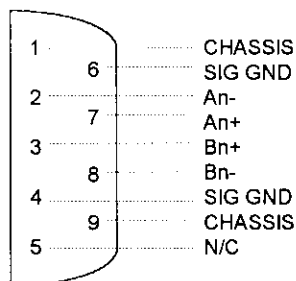
1 GENERAL DESCRIPTION

This module consists of a 6Ux3.6" PCB containing 32 9 way "D" type sockets. On the rear of the PCB are two 64 way ribbon cables terminated with DIN41612 sockets. Each connector caries 16 four wire channels. A single wire on a spade connector carries the signal earths from all the "D" types while chassis earths are taken to four screw fixing holes in the PCB.

The module is designed to screw to the rear of a 6521 RS422 router frame. The DIN connectors plug into the rear of a motherboard and carry a group of 32 sources or destinations. The signal earth is made to the motherboard via the spade connector, and the chassis connection is via the screw mounting holes to the metal frame chassis.

2 CONNECTOR DETAILS

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1 ------- CHASSIS
   6 ------- SIG GND
2 ------- An-
   7 ------- An+
3 ------- Bn+
   8 ------- Bn-
4 ------- SIG GND
   9 ------- CHASSIS
5 ------- N/C
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'A' and 'B' define the direction of flow through the router. 'A' is source to destination, 'B' is destination to source.

Hence, if this module is used as a source connector strip, 'A' is equivalent to RX and 'B' is equivalent to TX. It follows that sources are wired as tributaries, and destinations as controllers.

SOCKET FROM PL1			SOCKET FROM PL2		
ROW C		ROW A	ROW C		ROW A
BO+	1	A0+	B16+	1	A16+
BO-	2	A0-	B16-	2	A16-
B1+	3	A1+	B17+	3	A17+
B1-	4	A1-	B17-	4	A17-
B2+	5	A2+	B18+	5	A18+
B2-	6	A2-	B18-	6	A18-
B3+	7	A3+	B19+	7	A19+
B3-	8	A3-	B19-	8	A19-
B4+	9	A4+	B20+	9	A20+
B4-	10	A4-	B20-	10	A20-
B5+	11	A5+	B21+	11	A21+
B5-	12	A5-	B21-	12	A21-
B6+	13	A6+	B22+	13	A22+
B6-	14	A6-	B22-	14	A22-
B7+	15	A7+	B23+	15	A23+
B7-	16	A7-	B23-	16	A23-
B8+	17	A8+	B24+	17	A24+
B8-	18	A8-	B24-	18	A24-
B9+	19	A9+	B25+	19	A25+
B9-	20	A9-	B25-	20	A25-
B10+	21	A10+	B26+	21	A26+
B10-	22	A10-	B26-	22	A26-
B11+	23	A11+	B27+	23	A27+
B11-	24	A11-	B27-	24	A27-
B12+	25	A12+	B28+	25	A28+
B12-	26	A12-	B28-	26	A28-
B13+	27	A13+	B29+	27	A29+
B13-	28	A13-	B29-	28	A29-
B14+	29	A14+	B30+	29	A30+
B14-	30	A14-	B30-	30	A30-
B15+	31	A15+	B31+	31	A31+
B15-	32	A15-	B31-	32	A31-

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