

Digi AccelePort Xp and NEO HD-68 pin Ultra SCSI connector.

The connector provides a connection for the RS232 signals on the PCB to a cable to interface various 4, 8 and 16 port peripheral devices. The first table is for ports 1-8 and the second table is for ports 9-16. The pin-outs for the connector and the asynchronous ports configuration is as follows:

see Table 1 for: Ports 1-8 of HD-68 Connector for 4 or 8 port boards.

see Table 2 for: Ports 9-16 of second HD-68 Connector when using 16 port board.

Table 1: PORTS 1-8 of HD-68 Connector for 4, 8 or 16 port boards

| 68 pin Ultra SCSI | Wire name | Male DB25 Connector | 68 pin Ultra SCSI | Wire name | Male DB25 Connector |
|----------------------|-----------|------------------------|----------------------|-----------|------------------------|
| 1 | RxD7 | P7-3 | 35 | RxD8 | P8-3 |
| 2 | CTS7 | P7-5 | 36 | CTS8 | P8-5 |
| 3 | RI7 | P7-22 | 37 | RI8 | P8-22 |
| 4 | RTS7 | P7-4 | 38 | RTS8 | P8-4 |
| 5 | DCD7 | P7-8 | 39 | DCD8 | P8-8 |
| 6 | DTR7 | P7-20 | 40 | DTR8 | P8-20 |
| 7 | DSR7 | P7-6 | 41 | DSR8 | P8-6 |
| 8 | TxD7 | P7-2 | 42 | TxD8 | P8-2 |
| 9 | GND | P7-7, P5-7 | 43 | GND | P8-7, P6-7 |
| 10 | TxD5 | P5-2 | 44 | TxD6 | P6-2 |
| 11 | DSR5 | P5-6 | 45 | DSR6 | P6-6 |
| 12 | DTR5 | P5-20 | 46 | DTR6 | P6-20 |
| 13 | DCD5 | P5-8 | 47 | DCD6 | P6-8 |
| 14 | RTS5 | P5-4 | 48 | RTS6 | P6-4 |
| 15 | RI5 | P5-22 | 49 | RI6 | P6-22 |
| 16 | CTS5 | P5-5 | 50 | CTS6 | P6-5 |
| 17 | RXD5 | P5-3 | 51 | RXD6 | P6-3 |
| 18 | RxD3 | P3-3 | 52 | RxD4 | P4-3 |
| 19 | CTS3 | P3-5 | 53 | CTS4 | P4-5 |
| 20 | RI3 | P3-22 | 54 | RI4 | P4-22 |
| 21 | RTS3 | P3-4 | 55 | RTS4 | P4-4 |
| 22 | DCD3 | P3-8 | 56 | DCD4 | P4-8 |

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|----|------|------------|----|------|------------|
| 23 | DTR3 | P3-20 | 57 | DTR4 | P4-20 |
| 24 | DSR3 | P3-6 | 58 | DSR4 | P4-6 |
| 25 | TxD3 | P3-2 | 59 | TxD4 | P4-2 |
| 26 | GND | P3-7, P1-7 | 60 | GND | P4-7, P2-7 |
| 27 | TxD1 | P1-2 | 61 | TxD2 | P2-2 |
| 28 | DSR1 | P1-6 | 62 | DSR2 | P2-6 |
| 29 | DTR1 | P1-20 | 63 | DTR2 | P2-20 |
| 30 | DCD1 | P1-8 | 64 | DCD2 | P2-8 |
| 31 | RTS1 | P1-4 | 65 | RTS2 | P2-4 |
| 32 | RI1 | P1-22 | 66 | RI2 | P2-22 |
| 33 | CTS1 | P1-5 | 67 | CTS2 | P2-5 |
| 34 | RXD1 | P1-3 | 68 | RXD2 | P2-3 |

Table 2: PORTS 9-16 of second HD-68 Connector when using 16 port board

| 68 pin Ultra SCSI | Wire name | Male DB25 Connector | 68 pin Ultra SCSI | Wire name | Male DB25 Connector |
|----------------------|-----------|------------------------|----------------------|-----------|------------------------|
| 1 | RxD15 | P15-3 | 35 | RxD16 | P16-3 |
| 2 | CTS15 | P15-5 | 36 | CTS16 | P16-5 |
| 3 | RI15 | P15-22 | 37 | RI16 | P16-22 |
| 4 | RTS15 | P15-4 | 38 | RTS16 | P16-4 |
| 5 | DCD15 | P15-8 | 39 | DCD16 | P16-8 |
| 6 | DTR15 | P15-20 | 40 | DTR16 | P16-20 |
| 7 | DSR15 | P15-6 | 41 | DSR16 | P16-6 |
| 8 | TxD15 | P15-2 | 42 | TxD16 | P16-2 |
| 9 | GND | P15-7, P13-7 | 43 | GND | P16-7, P14-7 |
| 10 | TxD13 | P13-2 | 44 | TxD14 | P14-2 |

| | | | | | |
|-----------|-------|-------------|-----------|-------|--------------|
| 11 | DSR13 | P13-6 | 45 | DSR14 | P14-6 |
| 12 | DTR13 | P13-20 | 46 | DTR14 | P14-20 |
| 13 | DCD13 | P13-8 | 47 | DCD14 | P14-8 |
| 14 | RTS13 | P13-4 | 48 | RTS14 | P14-4 |
| 15 | RI13 | P13-22 | 49 | RI14 | P14-22 |
| 16 | CTS13 | P13-5 | 50 | CTS14 | P14-5 |
| 17 | RXD13 | P13-3 | 51 | RXD14 | P14-3 |
| 18 | RxD11 | P11-3 | 52 | RxD12 | P12-3 |
| 19 | CTS11 | P11-5 | 53 | CTS12 | P12-5 |
| 20 | RI11 | P11-22 | 54 | RI12 | P12-22 |
| 21 | RTS11 | P11-4 | 55 | RTS12 | P12-4 |
| 22 | DCD11 | P11-8 | 56 | DCD12 | P12-8 |
| 23 | DTR11 | P11-20 | 57 | DTR12 | P12-20 |
| 24 | DSR11 | P11-6 | 58 | DSR12 | P12-6 |
| 25 | TxD11 | P11-2 | 59 | TxD12 | P12-2 |
| 26 | GND | P11-7, P9-7 | 60 | GND | P12-7, P10-7 |
| 27 | TxD9 | P9-2 | 61 | TxD10 | P10-2 |
| 28 | DSR9 | P9-6 | 62 | DSR10 | P10-6 |
| 29 | DTR9 | P9-20 | 63 | DTR10 | P10-20 |
| 30 | DCD9 | P9-8 | 64 | DCD10 | P10-8 |
| 31 | RTS9 | P9-4 | 65 | RTS10 | P10-4 |
| 32 | RI9 | P9-22 | 66 | RI10 | P10-22 |

| | | | | | |
|-----------|------|------|-----------|-------|-------|
| 33 | CTS9 | P9-5 | 67 | CTS10 | P10-5 |
| 34 | RXD9 | P9-3 | 68 | RXD10 | P10-3 |