TTL TO DIGITAL INTERFACE MODULES

PT# 129014, RS-232, DB-25 Female, DCE Interface Module(connects to DTE) Rates Up To 128k

Jumper Pos 1-2 - DSR is connected with other interface's DTR (if DCE) or DSR (if DTE) input

J2 Pos 2-3 - DSR is forced on

Jumper Pos 1-2 - DCD is connected with other interface's RTS (if DCE) or DCD (if DTE) input

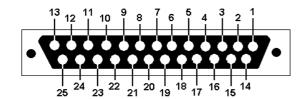
J3 Pos 2-3 - DCD is forced on

Jumper Pos 1-2 - RI is connected with other interface's RI (if DTE) input

J4 Pos 2-3 - RI is unconnected (default if other interface is DCE)

Pins Supported 1,2,3,4,5,6,7,8,15,17,20,22,24

DB25: View looking into female connector



Part# 129032, RS-232, DB25 Male, DTE Interface Module(connects to DCE) Rates Up To 128k

Jumper Pos 1-2 - DTR is connected with other interface's DTR (always DCE) input

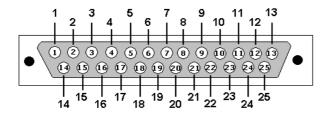
J2 Pos 2-3 - DTR is forced on

Jumper Pos 1-2 - RTS is connected with other interface's RTS (always DCE) input

J3 Pos 2-3 - RTS is forced on

Pins Supported 1,2,3,4,5,6,7,8,15,17,20,22,24

DB25: View looking into male connector



Part# 129012, RS-422/449, DB37 Female, DCE Interface Module(connects to DTE) Rates Up To 10Mbps

Jumper Pos 1-2 - DM is connected with other interface's TR (if DCE) or DM (if DTE) input

J2 Pos 2-3 - DM is forced on

Jumper Pos 1-2 - RR is connected with other interface's RS (if DCE) or RR (if DTE) input

J3 Pos 2-3 - RR is forced on

Jumper Pos 1-2 - TM is connected with other interface's TM (if DTE) input

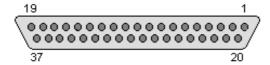
J4 Pos 2-3 - TM is unconnected (default if other interface is DCE)

Jumper Pos 1-2 - IC is connected with other interface's IC (if DTE) input

J5 Pos 2-3 - IC is unconnected (default if other interface is DCE)

Pins Supported: 1,4,5,6,7,8,9,11,12,13,15,17,18,19,22,23, 24,25,26,27,29,30,31,35

DB37: View looking into female connector



Part# 129030, RS-422/449, DB-37 Male, DTE Interface Module(connects to DCE) Rates up to 10Mbps

Jumper Pos 1-2 - TR is connected with other interface's TR (always DCE) input

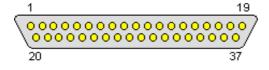
J2 Pos 2-3 - TR is forced on

Jumper Pos 1-2 - RS is connected with other interface's RTS (always DCE) input

J3 Pos 2-3 - RS is forced on

Pins Supported: 1,4,5,6,7,8,9,11,12,13,15,17,18,19,22,23, 24,25,26,27,29,30,31,35

DB37: View looking into male connector



Part# 129011, RS-530, DB-25 Female, DCE Interface Module(connects to DTE) Rates Up To 10Mbps

Jumper Pos 1-2 - DSR is connected with other interface's DTR (if DCE) or DSR (if DTE) input

J2 Pos 2-3 - DSR is forced on

Jumper Pos 1-2 - DCD is connected with other interface's RTS (if DCE) or DCD (if DTE) input

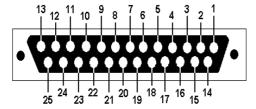
J3 Pos 2-3 - DCD is forced on

Jumper Pos 1-2 - TM is connected with other interface's TM (if DTE) input

J4 Pos 2-3 - TM is unconnected (default if other interface is DCE)

Pins Supported 1,2,3,4,5,6,7,8,9,10,11,12,13,14, 15,16,17,18,19,20,22,23,24,25

DB25: View looking into female connector



Part# 129029, RS-530, DB-25 Male, DTE Interface Module(connects to DCE) Rates up to 10Mbps

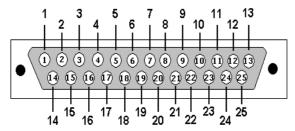
Jumper Pos 1-2 - DTR is connected with other interface's DTR (always DCE) input

J2 Pos 2-3 - DTR is forced on

Jumper Pos 1-2 - RTS is connected with other interface's RTS (always DCE) input
J3 Pos 2-3 - RTS is forced on

Pins Supported 1,2,3,4,5,6,7,8,9,10,11,12,13,14, 15,16,17,18,19,20,22,23,24,25

DB25: View looking into male connector



Part# 129010, V.35, MR-34 Pin Female, DCE Interface Module(connects to DTE) Rates Up To 10Mbps

Jumper Pos 1-2 - DSR is connected with other interface's DTR (if DCE) or DSR (if DTE) input

J3 Pos 2-3 - DSR is forced on

Jumper Pos 1-2 - DCD is connected with other interface's RTS (if DCE) or DCD (if DTE) input

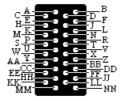
J4 Pos 2-3 - DCD is forced on

Jumper Pos 1-2 - RI is connected with other interface's RI (if DTE) input

J5 Pos 2-3 - RI is unconnected (default if other interface is DCE)

Pins Supported A,B,C,D,E,F,H,J,P,R,S,T,U,V,W,X,Y,AA 15,16,17,18,19,20,22,23,24,25

M34: View looking into a V35 female connector



Part# 129028, V.35, MR-34Pin Male, DTE Interface Module(connects to DCE) Rate Up To 10Mbps

Jumper Pos 1-2 - DTR is connected with other interface's DTR (always DCE) input

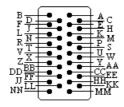
J3 Pos 2-3 - DTR is forced on

Jumper Pos 1-2 - RTS is connected with other interface's RTS (always DCE) input

J4 Pos 2-3 - RTS is forced on

Pins Supported A,B,C,D,E,F,H,J,P,R,S,T,U,V,W,X,Y,AA

M34: View looking into a V35 male connector

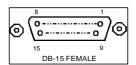


Part# 129013, X.21, DB-15 Female, DCE Interface Module(connects to DTE) Rate Up To 10Mbps

No Straps

Pins Supported 1,2,3,4,5,6,8,9,10,11,12,13

DB15: View looking into female connector



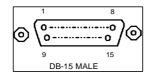
Part# 129031, X.21, DB-15 Male, DTE Interface Module(connects to DCE) Rates Up To 10Mbps

Jumper Pos 1-2 **J2** Pos 2-3

- CONTROL is connected with other interface's CONTROL (always DCE) input
- CONTROL is forced on

Pins Supported 1,2,3,4,5,6,8,9,10,11,12,13

DB15: View looking into male connector



Part# 129057, TTL Interface Module W/BNC Connectors Rate Up To 10Mbps

Jumper Pos 1-2 - Data In Signal Not Inverted (Default)

J1 Pos 2-3 - Data In Signal is Inverted

Jumper Pos 1-2 - Clock In Signal Not Inverted (Default)

J3 Pos 2-3 - Clock In Signal is Inverted

Jumper Pos 1-2 - Data Out Signal Not I (Default)
J5 Pos 2-3 - Data Out Signal is Inverted

Jumper Pos 1-2 - Clock Out Signal Not Inverted (Default)

J7 Pos 2-3 - Clock Out Signal is Inverted

View looking into a BNC Connector







E1 Transmit BNC

Center pin = Tip Outer ring = ring Center pin = Tip Outer ring = ring

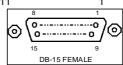
Part# 129085, T-1 Interface Module, 1.544 Mbps, DB-15 Female, or RJ-48C

	Signal	DB-15	RJ48-C
Install J3,4,5,6 in the 1-2 postion for DB15	Rec Tip	1	4
Install J3,4,5,6 in the 2-3 postion for RJ48	Gnd	2	3
	Tran Tip	3	2
Pins Supported 1,2,3,4,9,11on DB15	Gnd	4	6
Pins Supported 1,2,3,4,5,6 on RJ48	Rec Ring	9	5
	Tran Ring	11	1
133' 133'-266' 266' 399' 399'-533' 533' 655'		8	1

Cable Length 0'-1

J7	1	2	1	2	1
J8	1	2	2	1	1
J9	2	1	1	1	1

1=jump pins 1-2 2=jump pins 2-3





Part# 175024, E-1 Interface Module, 2.048 Mbps, 75 ohm BNC

Install J4 and J6 in the 2-3 position J5 Not Installed

View looking into a BNC Connector







Center pin = TipOuter ring = ring

Part# 175021, E3 Interface Module, 34.368 Mbps, 75 ohm BNC

Install J3 in the 1-2 position

Install J5 in the 3-4 position

Install J6 in the 2-3 position

Install J7 in the 1-2 position

Install J8 in the 2-3 position

View looking into a BNC Connector







Center pin = Tip Outer ring = ring

Part# 175020, DS3 Interface Module, 44.736 Mbps, 75 ohm BNC

Install J3 in the 1-2 position

Install J5 in the 1-2 position

Install J6 in the 2-3 position

Install J7 in the 1-2 position

Install J8 in the 1-2 position

View looking into a BNC Connector



Center pin = Tip Outer ring = ring



Center pin = Tip Outer ring = ring

Part# 175022, STS-1 Interface Module, 51.840 Mbps, 75 ohm BNC

Install J3 in the 1-2 position

Install J5 in the 2-3 position

Install J6 in the 1-2 position

Install J7 in the 2-3 position

Install J8 in the 2-3 position

View looking into a BNC Connector



Center pin = Tip Outer ring = ring



Center pin = Tip Outer ring = ring

<u>Part # 129092, RS-232 4-Port Broadcast Card</u> RJ 45 Female, DCE Interface(connects to DTE) Rates up to 128k

Jumper Pos 1-2

- DCD Forced ON

P1 Pos 2-3

- DCD is connected with other interface's RTS (if DCE) or DCD (if DTE) input

Pins Supported 1,2,3,4,5,6,7,8

Pin 1 CTS Forced High

Pin 2 DSR Forced High

Pin 3 RXD

Pin 4 Ground Pin 5 RXC

Pin 6 Ground Pin 7 DCD

Pin 8 Ground



RJ45 View looking into female connector

Part # 129075, V11 4-Port Broadcast Card RJ45 Female, DCE Interface(connects to DTE) Rates up to 6.144Mbps

Jumper Pos 1-2

- DCD Forced ON
- Pos 2-3 DCD is connected with other interface's RTS (if DCE) or DCD (if DTE) input

Pins Supported 1,2,3,4,5,6,7,8

Pin 1 RXD A

Pin 2 RXD B

Pin 3 RXC A

Pin 4 RXC B

Pin 5 Ground

Pin 6 Ground

Pin 7 DCD A

Pin 8 DCD B

1-----8

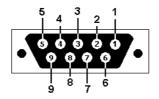
RJ45 View looking into female connector

PT# 129070, RS485 2 or 4 Wire Mulitidrop Module, DB9 Female Connector Rates from 1.2k to 128k

Pins supported 2,3,6,7,8

**SEE USER MANUAL FOR DATA RATES AND MULIDROP STRAP OPTIONS

Pin 1 N/C Pin 2 RXD (B) Pin 3 TXD (A) Pin 4 N/C Pin 5 N/C Pin 6 Ground Pin 7 RXD (A) Pin 8 TXD (B) Pin 9 N/C (A) = + lead



(B)= - lead

DB9 View looking into female connector

Part# 175023, T-1 Interface Module, 1.544Mbps, DB15 Female

Install J5 in the 2-3 position J4 and 6 Not Installed

Pins Supported 1,2,3,4,9,11on DB15

DB25: View looking into female connector

