

## CTP1000 Interface Module 100-to-25-Pin Cable Pinouts

The CTP1004 and CTP1012 devices provide 100-pin connectors for external serial interface connections. The CTP1004 has one connector, and the CTP1012 has three 100-pin connectors. This 100-pin output is on a quad cable (a Revision B or later cable ordered separately) with the other end split into four standard DB-25 connectors, labeled P0, P1, P2, and P3, connected to the serial interface. These port numbers correspond to the port-numbering scheme implemented in the software configuration.

The pinouts for these connections have different configurations for EIA-530, RS-232, voice, and T1 interface signals.

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### EIA-530 Connector Interface Signal Pinouts

Table 1 lists the EIA-530 interface signal pinouts for the 25-pin connector.

**Table 1: EIA-530 Connector Interface Signals**

DB-25 Pin	To/From CTP	Description	Circuit
1	—	Shield	—
2	To	Transmitted data—A	BA
3	From	Received data—A	BB
4	To	Request to send—A	CA
5	From	Clear to send—A	CB
6	From	Data set ready—A	CC
7	—	Signal ground	Ground
8	From	Data carrier detect—A	CF
9	From	Receive signal element timing—B	DD
10	From	Data carrier detect—B	CF
11	To	Transmit signal element timing—B (DTE)	DA
12	From	Transmit signal element timing—B (DCE)	DB
13	From	Clear to send—B	CB
14	To	Clear to send—B	BA

**Table 1: EIA-530 Connector Interface Signals** *(continued)*

DB-25 Pin	To/From CTP	Description	Circuit
15	From	Transmit signal element timing—A (DCE)	DB
16	From	Received data—B	BB
17	From	Receive signal element timing—A	DD
18	To	Local loopback	LL
19	To	Request to send—B	CA
20	To	Data terminal ready—A	CD
21	To	Remote loopback	RL
22	From	Data set ready—B	CC
23	To	Data terminal ready—B	CD
24	To	Transmit signal element timing—A (DTE)	DA
25	—	Test mode	TM

## RS-232 Connector Interface Signal Pinouts

Table 2 lists the RS-232 interface signal pinouts for the 25-pin connector.

**Table 2: RS-232 Connector Interface Signals**

DB-25 Pin	To/From CTP	Description	Circuit
1	—	Shield	—
2	To	Transmitted data—A	BA
3	From	Received data—A	BB
4	To	Request to send—A	CA
5	From	Clear to send—A	CB
6	From	Data set ready—A	CC
7	—	Signal ground	Ground
8	From	Data carrier detect—A	CF
15	From	Transmit signal element timing—A (DCE)	DB
17	From	Receive signal element timing—A	DD
20	To	Data terminal ready—A	CD

**Table 2: RS-232 Connector Interface Signals** *(continued)*

DB-25 Pin	To/From CTP	Description	Circuit
22	From	Data set ready—B	CC
24	To	Transmit signal element timing—A (DTE)	DA

## Voice Interface Signal Pinouts

Table 3 lists the voice interface signal pinouts for the 25-pin connector.

**Table 3: Voice Interface Signals**

DB-25 Pin	To/From CTP	Description	Circuit
1	—	Shield	—
2	To	Channel 0 voice RX—A	Channel 0
3	From	Channel 0 voice TX—A	Channel 0
4	To	Channel 1 voice signaling input A	Channel 1
5	From	Channel 1 voice signaling output A	Channel 1
6	From	Channel 0 voice signaling output A	Channel 0
9	From	Channel 1 voice TX—A	Channel 1
11	To	Channel 1 voice RX—B	Channel 1
13	From	Channel 1 voice signaling output—B	Channel 1
14	To	Channel 0 voice RX—B	Channel 0
16	From	Channel 0 voice TX—B	Channel 0
17	From	Channel 1 voice TX—B	Channel 1
19	To	Channel 1 voice signaling input—B	Channel 1
20	To	Channel 0 voice signaling input—A	Channel 0
22	From	Channel 0 voice signaling output—B	Channel 0
23	To	Channel 0 voice signaling input—B	Channel 0
24	To	Channel 1 voice RX—A	Channel 1

## T1 Interface Signal Pinouts

Table 4 lists the T1 interface signal pinouts for the 25-pin connector.

**Table 4: T1 Interface Signals**

DB-25 Pin	To/From CTP	Description
1	—	Shield
2	To	Transmitted data—A
3	From	Received data—A
7	—	Signal ground
14	To	Transmitted data—B
16	From	Received data—B

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