

TC-648 OCTAL RS-422 DISTRIBUTION CARD FUNCTIONAL DESCRIPTION

Rev 1.0 12/27/95

The TC-648 Octal RS-422 Distribution Card is a strip card used to distribute DMX/TRX data. This card has two independent inputs each of which has four RS-422 serial data signal outputs.

Normal application is from a TC-560 Transmitter Card. The outputs can connect to a total of eight (8) Triad DTU, RTU, STU card frames and/or industry standard DMX-512 equipment.

This card is normally mounted in a Data Distribution Panel (DDP) and requires a +5VDC power source.

Physical Dimensions:

5" x 1.5" printed circuit board assembly

Power Requirements:

+5V @ 100 MA.

DATA PIN ASSIGNMENTS

P5: The input is a DB9M connector which interfaces with the TC-560 Transmitter or TC-550 BART Controller.

I/O PORTS

P5 Pin Assignment **DB9M Mounted on front side of strip card**

Pin 1.	Connects to Frame Ground
Pin 2.	N/C
Pin 3.	RMX1+ Receives signal from TRX+ (Drives TXA)
Pin 4.	RMX2+ Receives signal from TRX+ (Drives TXA)
Pin 5.	VCC +5VDC from power supply
Pin 6.	N/C
Pin 7.	RMX1- Receives signal from TRX- (Drives TXB)
Pin 8.	RMX2- Receives signal from TRX- (Drives TXB)
Pin 9.	Connects to Ground

P1 Pin Assignment **DB9F Mounted on reverse side of strip card**

Pin 1.	Shield
Pin 2.	N/C
Pin 3.	TXA+ Transmits signal to device
Pin 4.	TXB+ Transmits signal to device
Pin 5.	N/C
Pin 6.	N/C
Pin 7.	TXA- Transmits signal to device
Pin 8.	TXB- Transmits signal to device
Pin 9.	N/C

P2 Pin Assignment **DB9F Mounted on reverse side of strip card**

Pin 1.	Shield
Pin 2.	N/C
Pin 3.	TXA+ Transmits signal to device
Pin 4.	TXB+ Transmits signal to device
Pin 5.	N/C
Pin 6.	N/C
Pin 7.	TXA- Transmits signal to device
Pin 8.	TXB- Transmits signal to device
Pin 9.	N/C

P3 Pin Assignment **DB9F Mounted on reverse side of strip card**

Pin 1.	Shield
Pin 2.	N/C
Pin 3.	TXA+ Transmits signal to device
Pin 4.	TXB+ Transmits signal to device
Pin 5.	N/C
Pin 6.	N/C
Pin 7.	TXA- Transmits signal to device
Pin 8.	TXB- Transmits signal to device
Pin 9.	N/C

P4 Pin Assignment	DB9F Mounted on reverse side of strip card
Pin 1.	Shield
Pin 2.	N/C
Pin 3. TXA+	Transmits signal to device
Pin 4. TXB+	Transmits signal to device
Pin 5.	N/C
Pin 6.	N/C
Pin 7. TXA-	Transmits signal to device
Pin 8. TXB-	Transmits signal to device
Pin 9.	N/C

NOTES