

**TN520 SR-39-3 Multiple Receiver Subrack**

The SR-39-3 subrack is designed to hold and interconnect the MT-3 and MT-4 series of receivers on one universal motherboard. The SR-39-3 subrack holds up to five receiver modules and one system regulator (the system regulator will require jumpers JU15 to JU24 installed for multiple receiver subrack compatibility) as shown in Figure 1.

The multiple receiver subrack is ideal for voting receivers or with the multiple transmitter subrack for multi-channel trunking systems.

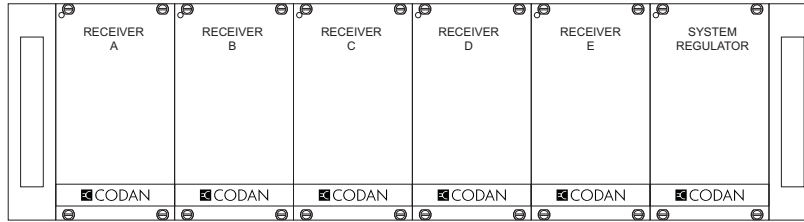


Figure 1: Multiple Receiver Subrack

The multiple receiver subrack does not interconnect the different receivers but brings control lines and audio out to connection points on the rear of the subrack. The external control connectors allow access to the following signals on each receiver:

Pin No.	Name	Function
1	RX CSEL 3	Receiver channel select line No. 3
2	RX CSEL 2	Receiver channel select line No. 2
3	RX CSEL 1	Receiver channel select line No. 1
4	RX CSEL 0	Receiver channel select line No. 0
5	RX COR RLY COM1	Receiver Carrier Operated Relay Common 1
6	RX RLY NC1/NO1	Receiver Relay Normally Open / Normally Closed
7	RX COR	Receiver Carrier Operated Relay output
8	RX DISC/FL/DE	Receiver Disc or Flat or De-emphasis audio output (MT-3) Receiver Disc or SM-3 Speaker audio output (MT-4E)
9	RX SQL OVER	Receiver squelch override input
10	RX SYN LOCK DET (Spare)	Receiver Spare I/O
11	RX PRIORITY COR	Receiver Priority COR output (MT-3) Receiver A/D Mode (MT-4E)
12	RX RSSI	Receiver Signal Strength Indicator
13	RX BAL O/P 2	Receiver balanced audio output, side 2
14	RX BAL O/P 1	Receiver balanced audio output, side 1
15	RX MUTE	Receiver mute input
16	GND	Circuit common

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