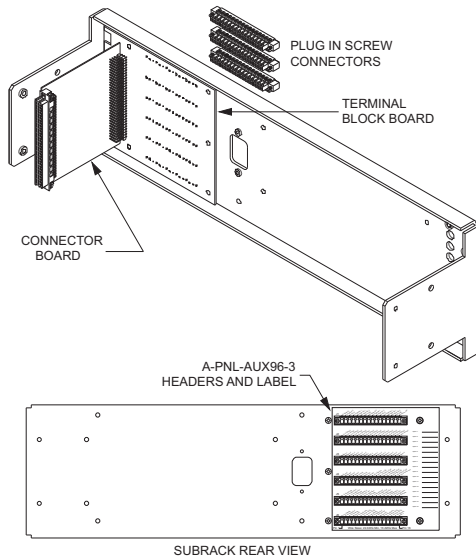
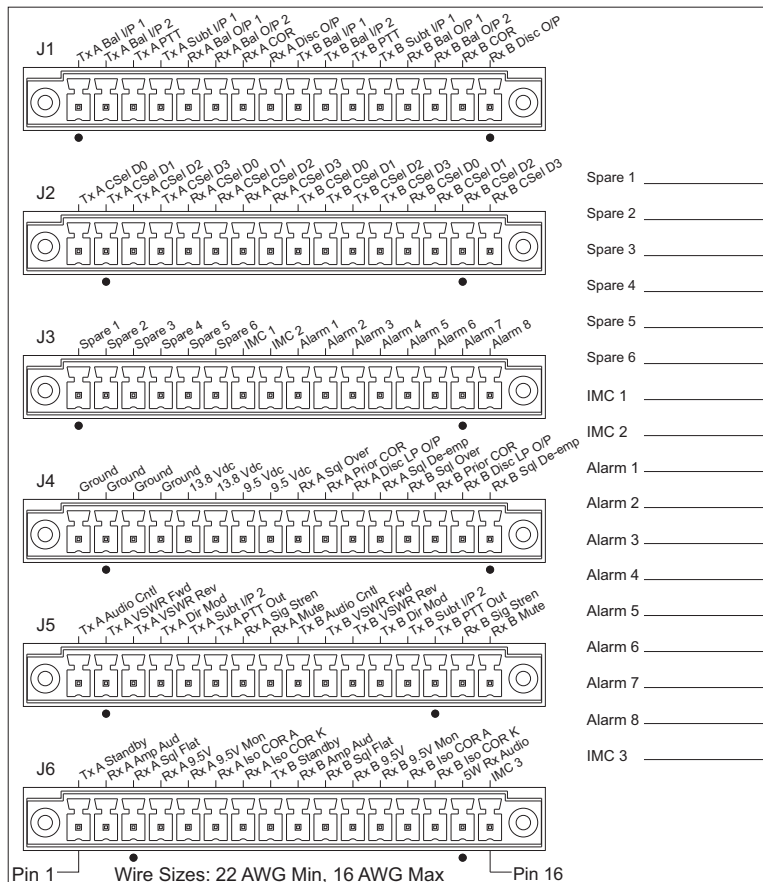


TN800 A-PNL-AUX96-3 Auxiliary Connector



The A-PNL-AUX96-3 option provides convenient access to all signals on the motherboard auxiliary control connector. This is accomplished with two circuit boards: the Terminal Block board and the Connector board. The Terminal Block board mounts to the subrack rear panel and has six 16 pin headers that mate with 16 position plug-in screw connectors. The plug-in screw connectors use a clamping action to secure stranded or solid conductor wires from 22 AWG to 16 AWG and have locking screws to ensure the connector does not loosen due to vibration. A label on the back of the subrack rear panel lists the signals at their respective positions. The Connector board is soldered to the Terminal Block board and provides the interconnection between the auxiliary control connector on the motherboard and the Terminal Block board.



A close-up view of the auxiliary connector label shows the short signal name for each connection point. Definitions for these signals can be found in the SR-39-1 subrack manual. Extra connectors (Spare, Alarm, IMC) that can be used for different functions depending on the control card are listed to the right of the connectors. For example, the AC-3E audio control card uses these lines for auxiliary audio inputs / outputs and auxiliary COR / PTT connections. The CI-PM-3 paging modulator uses these signal lines for connecting A/D select lines, 2-level and 4-level data, etc. The custom functions of these connectors will be marked in the blank space next to the signal name.

See Table 1 and Table 2 for a list of connector names by control card and by transmitter and receiver series.

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TN800 A-PNL-AUX96-3 Auxiliary Connector

Table 1: Auxiliary Control Connector Definitions for Control Cards

Connector Name	Pin #	AC-3E	CI-BC-4E	CI-PM-3	UIC-4
Spare 1	J3-1	AUX 1 AUDIO I/P 1	AUX 1 AUDIO I/P 1	DATA OUT	GPAI2 I/P
Spare 2	J3-2	AUX 1 AUDIO I/P 2	AUX 1 AUDIO I/P 2	CTCSS HU/BUSY	GPAI3 I/P
Spare 3	J3-3	AUX 2 AUDIO I/P 1	AUX 2 AUDIO I/P 1	N/C	GPAI0 I/P
Spare 4	J3-4	AUX 2 AUDIO I/P 2	AUX 2 AUDIO I/P 2	N/C	GPAI1 I/P
Spare 5	J3-5	AUX 1 AUDIO O/P 1	AUX 1 AUDIO O/P 1	N/C	GPAO2 O/P
Spare 6	J3-6	AUX 1 AUDIO O/P 2	AUX 1 AUDIO O/P 2	N/C	GPAO3 O/P
IMC 1	J3-7	AUX 2 AUDIO O/P 1	CLEAR KEYS 1	N/C	CLEAR KEYS 1
IMC 2	J3-8	AUX 2 AUDIO O/P 2	CLEAR KEYS 2	N/C	CLEAR KEYS 2
Alarm 1	J3-9	AUX 1 COR C	AUX 1 COR C	PTT	GPDO0 O/P
Alarm 2	J3-10	AUX 1 COR E	AUX 1 COR E	A/D MODE SEL	GPDO1 O/P
Alarm 3	J3-11	AUX 2 COR C	AUX 2 COR C	2-LVL/4-LVL SEL	GPDO2 O/P
Alarm 4	J3-12	AUX 2 COR E	AUX 2 COR E	EXT CLOCK	GPDO3 O/P
Alarm 5	J3-13	AUX 1 PTT A	AUX 1 PTT A	BAL AUDIO 2	GPDI0 I/P
Alarm 6	J3-14	AUX 1 PTT K	AUX 1 PTT K	4-LVL DATA	GPDI1 I/P
Alarm 7	J3-15	AUX 2 PTT A	AUX 2 PTT A	BAL AUDIO 1	GPDI2 I/P
Alarm 8	J3-16	AUX 2 PTT K	AUX 2 PTT K	2-LVL DATA	GPDI3 I/P
IMC 3	J6-16	N/C	EXT RPT DISABLE	N/C	N/C
Tx A Audio Cntl	J5-1	TX A AUDIO CNTL	AUX 2 AUDIO O/P 1	TX A AUDIO CNTL	GPAO0 O/P
Tx B Audio Cntl	J5-9	TX B AUDIO CNTL	AUX 2 AUDIO O/P 2	TX B AUDIO CNTL	GPAO1 O/P

Table 2: Auxiliary Control Connector Definitions for Transmitter / Receiver Series

Connector Name	Pin #	MT-3 Module	MT-4E Module
Tx A Standby	J6-1	TX A STANDBY	TX A BANK A/B SEL
Tx B Standby	J6-8	TX B STANDBY	TX B BANK A/B SEL
Rx A Iso COR K	J6-7	RX A ISO COR K	RX A BANK A/B SEL
Rx B Iso COR K	J6-14	RX B ISO COR K	RX B BANK A/B SEL
Tx A Subt I/P 2	J5-5	TX A SUBT I/P 2	TX A SEC/CLR I/P
Tx B Subt I/P 2	J5-13	TX B SUBT I/P 2	TX B SEC/CLR I/P
Rx A Amp Aud	J6-2	RX A AMP AUD	RX A SEC/CLR O/P
Rx B Amp Aud	J6-9	RX B AMP AUD	RX B SEC/CLR O/P
Rx A Sql Flat	J6-3	RX A SQL FLAT AUD	TX A A/D MODE I/P
Rx B Sql Flat	J6-10	RX B SQL FLAT AUD	TX B A/D MODE I/P
Rx A Prior COR	J4-10	RX A PRIOR COR	RX A A/D MODE O/P
Rx B Prior COR	J4-14	RX B PRIOR COR	RX B A/D MODE O/P