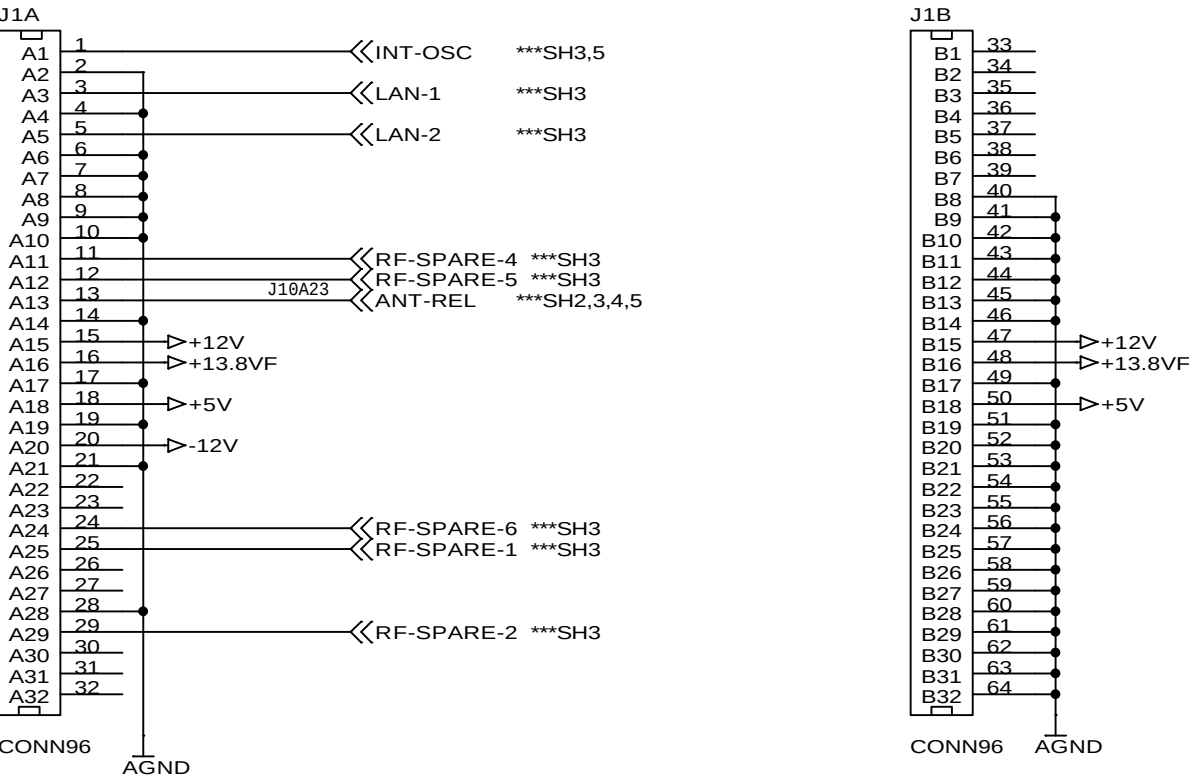
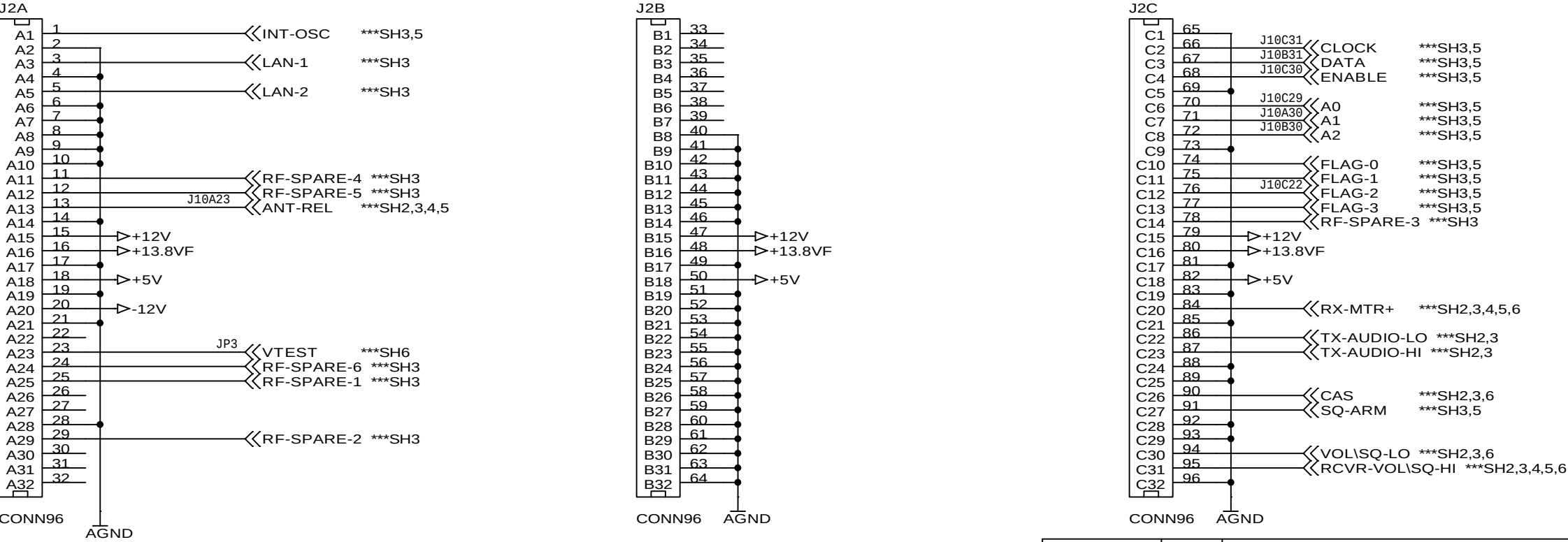


TX SYNTHESIZER

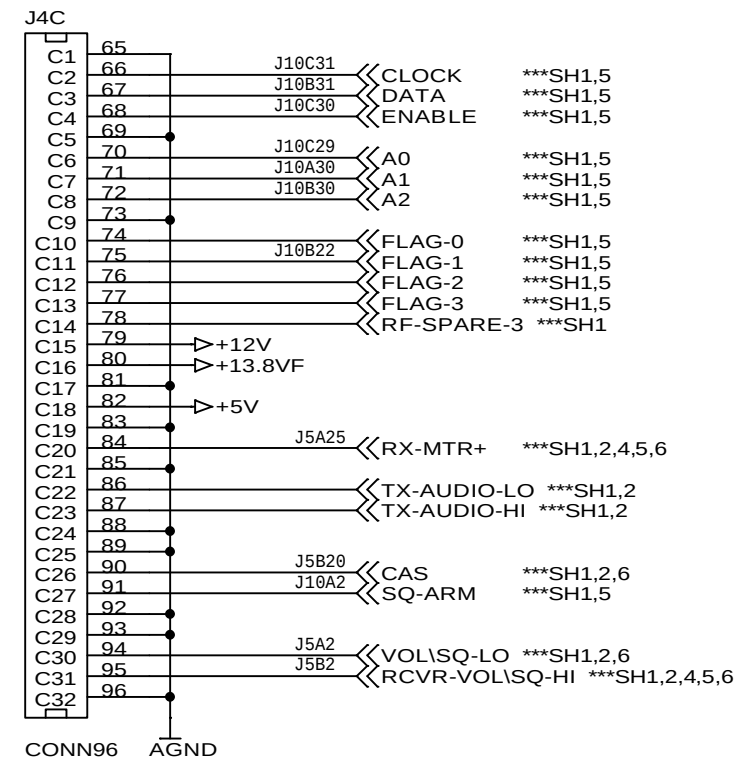
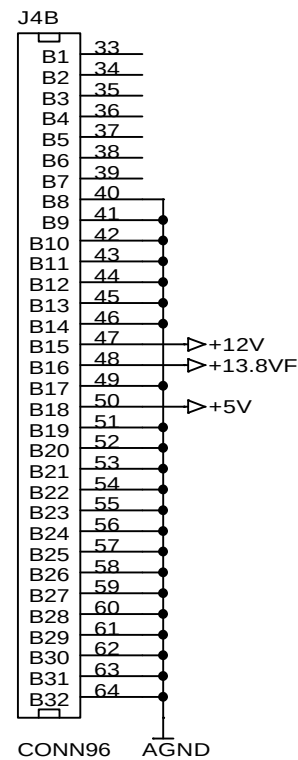
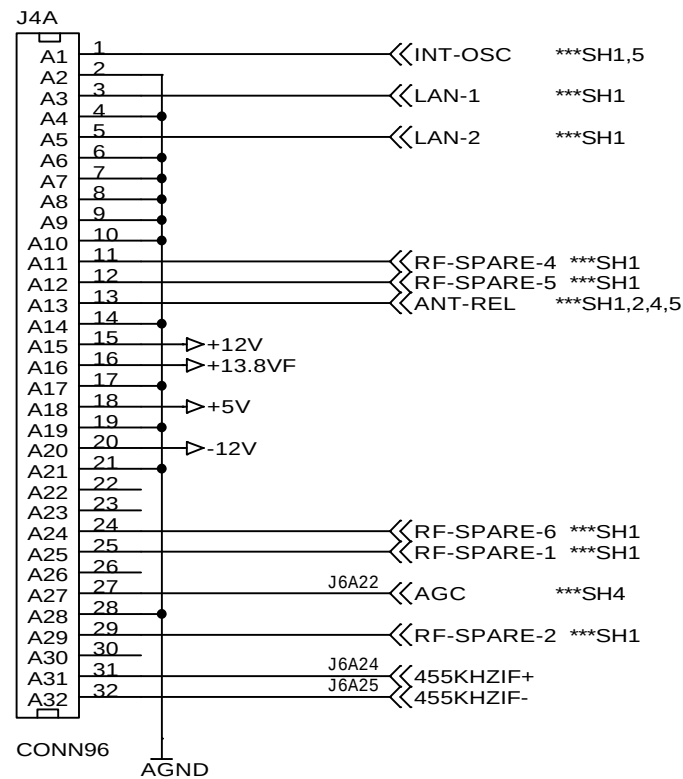


RX SYNTHESIZER



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RX IF



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MASTR III T/R SHELF BACKPLANE (A1)

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SIZE
B

FSCN NO

N/A

DWG NO

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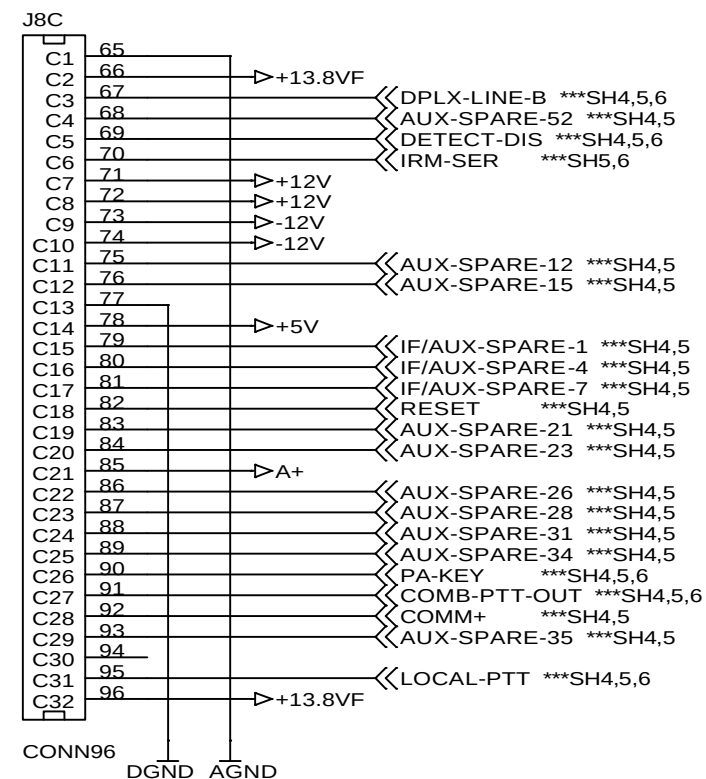
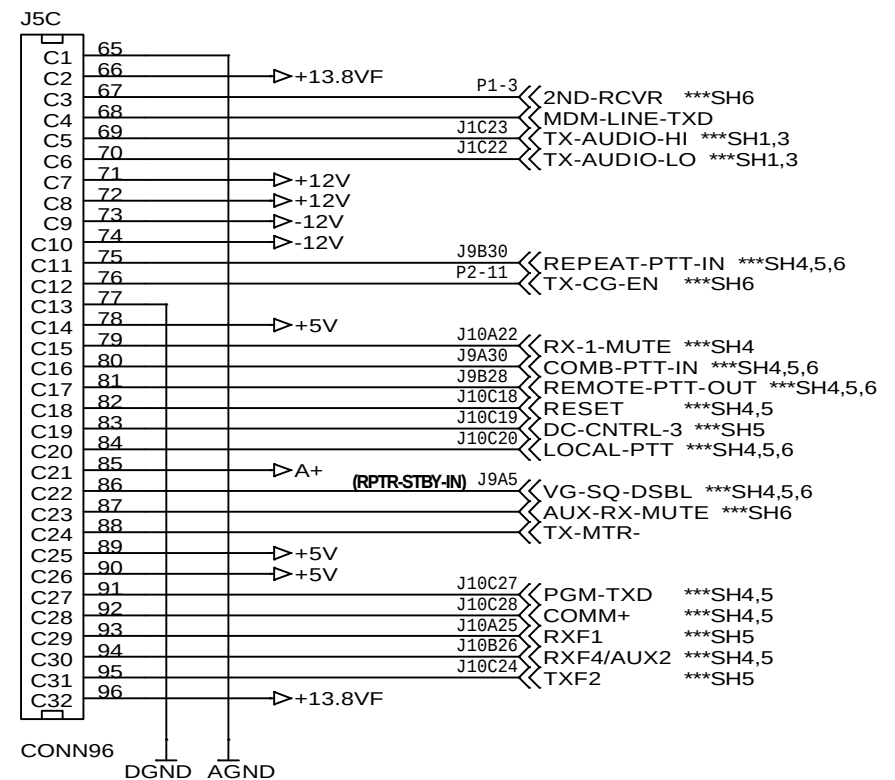
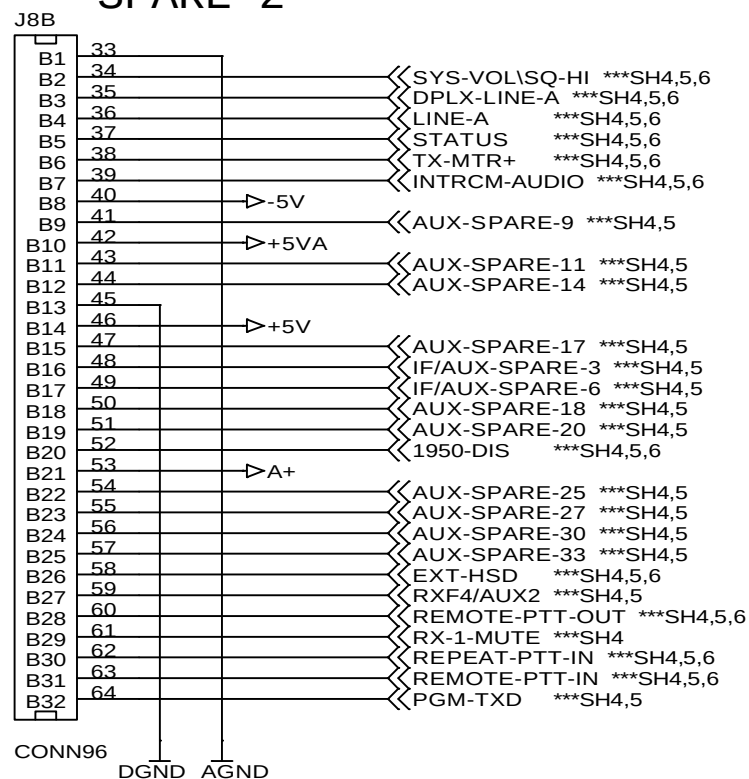
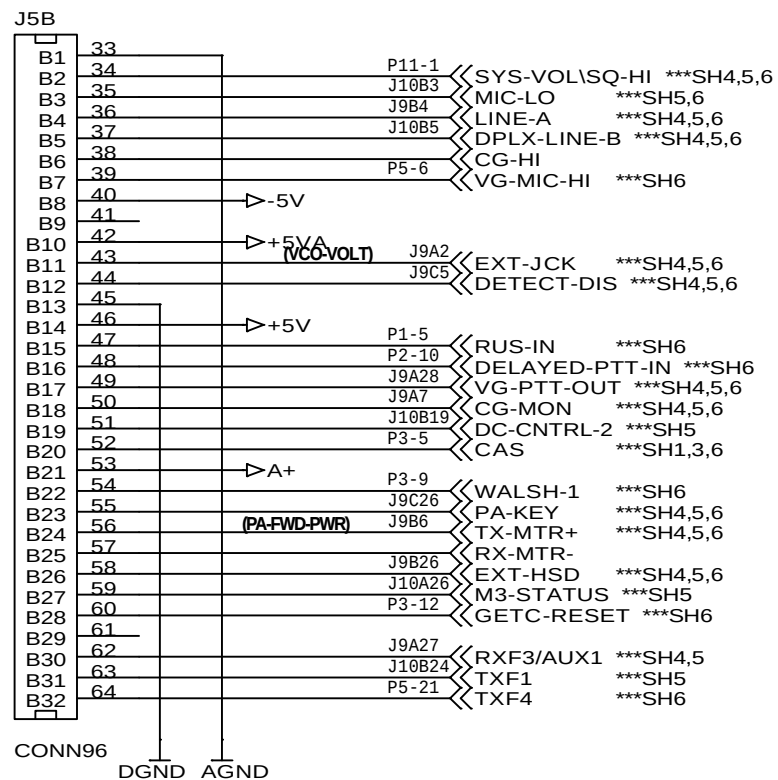
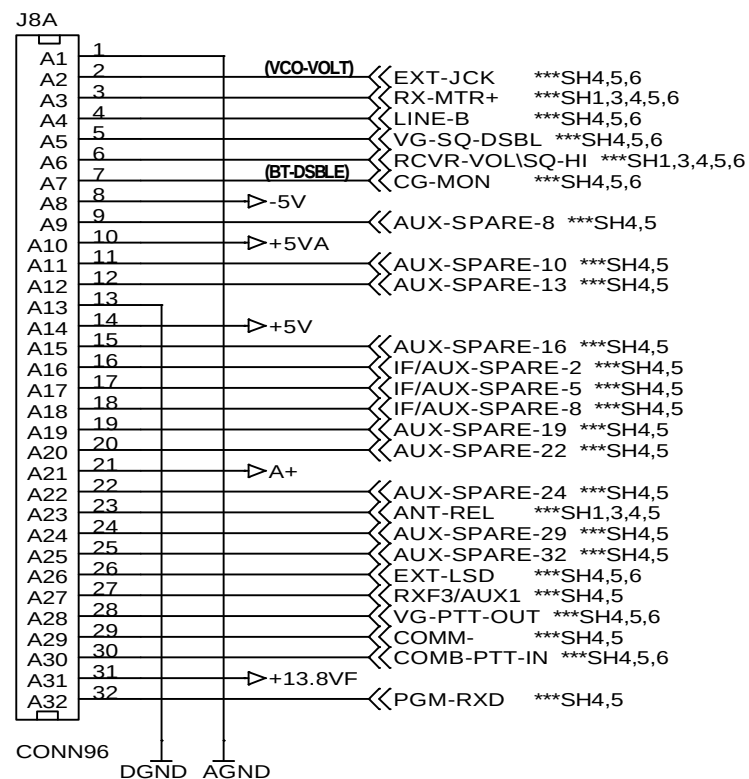
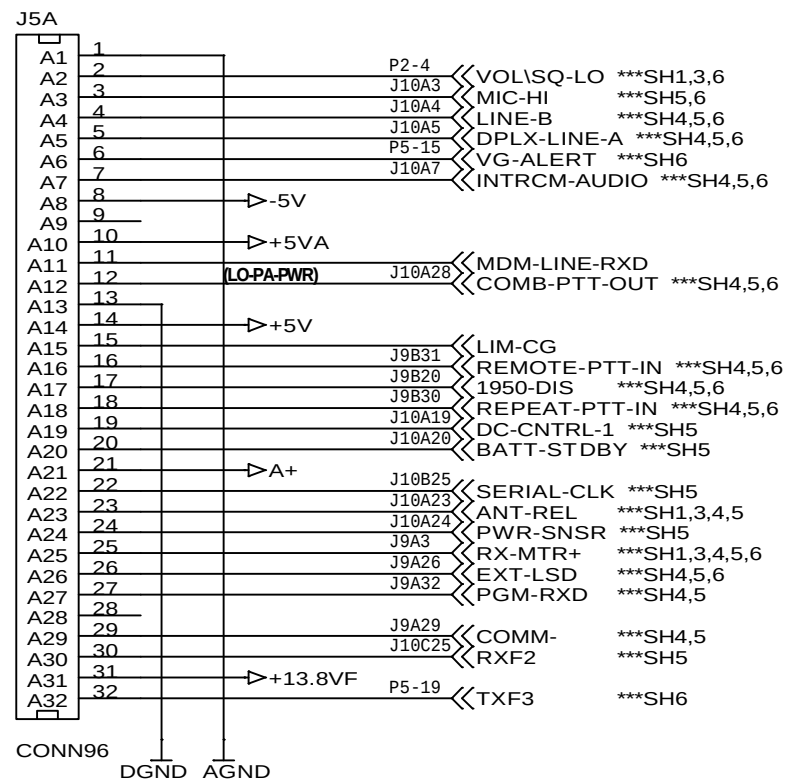
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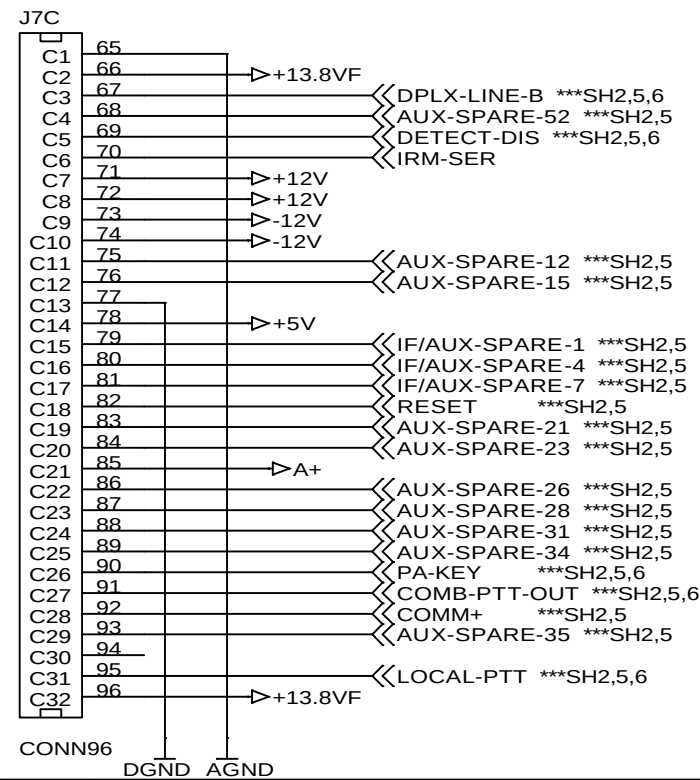
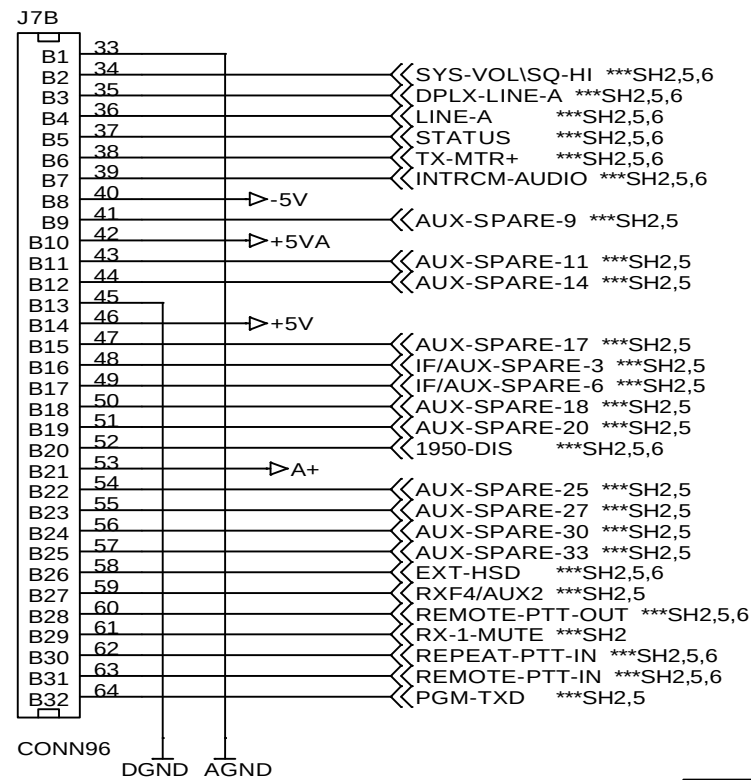
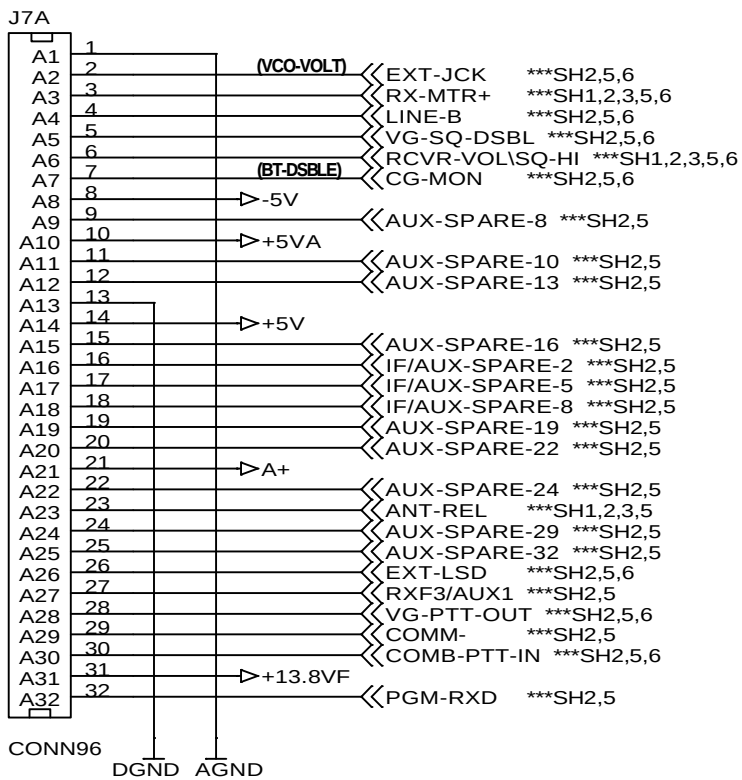
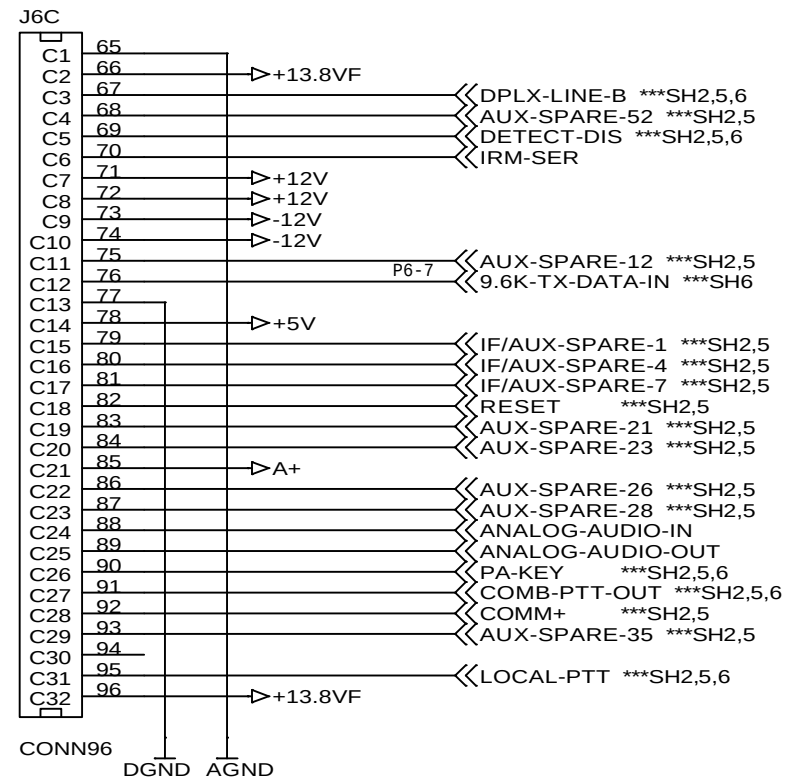
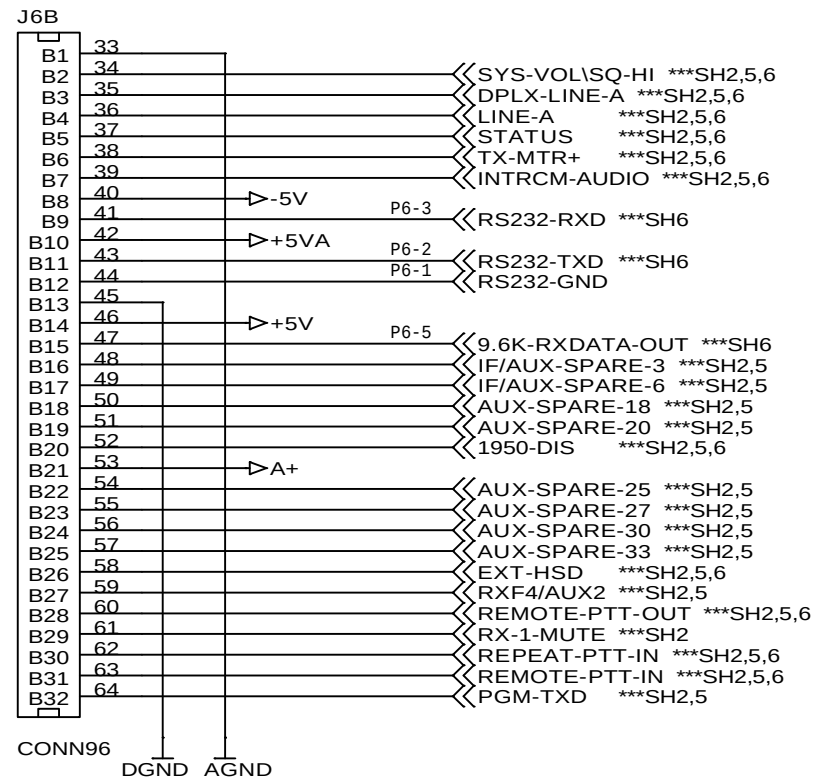
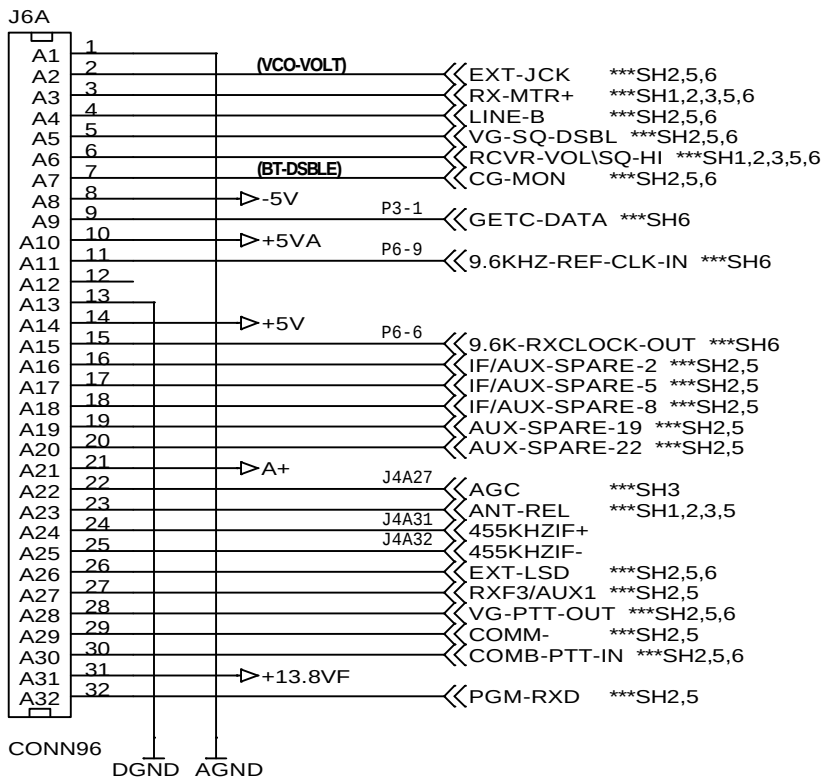
SHEET

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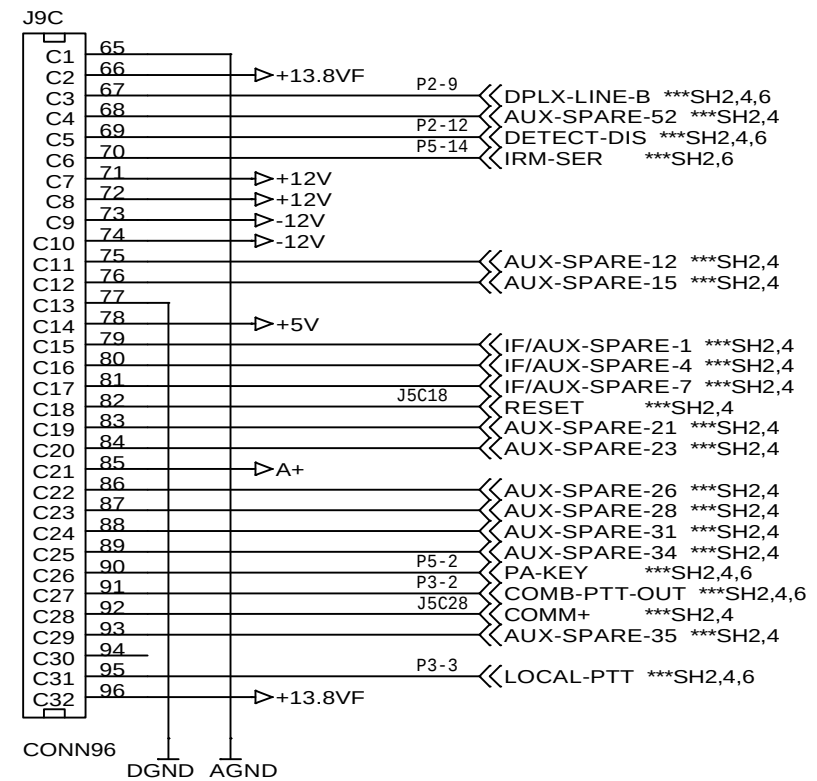
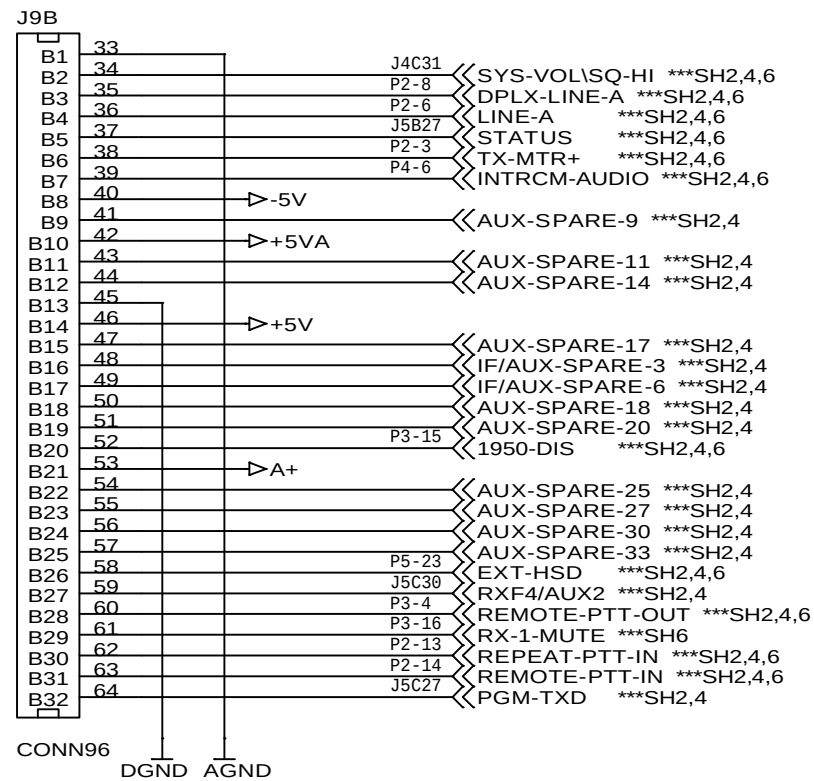
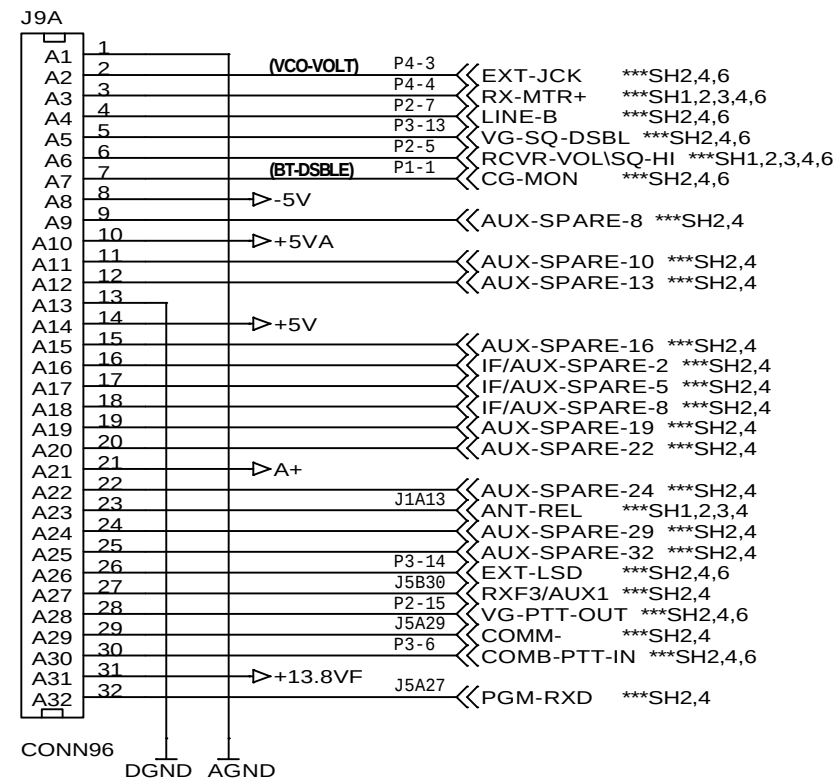


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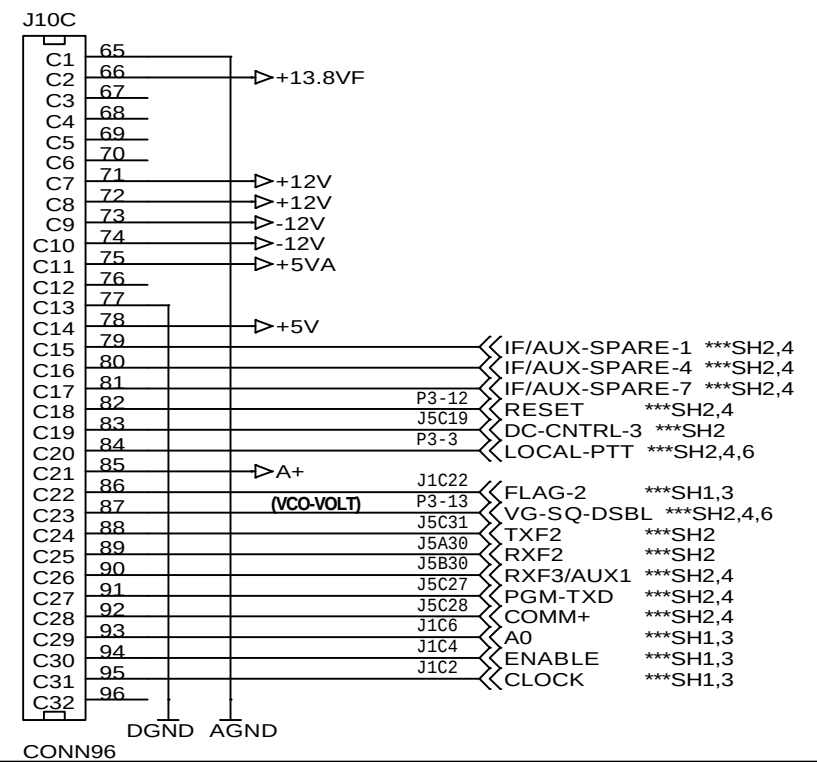
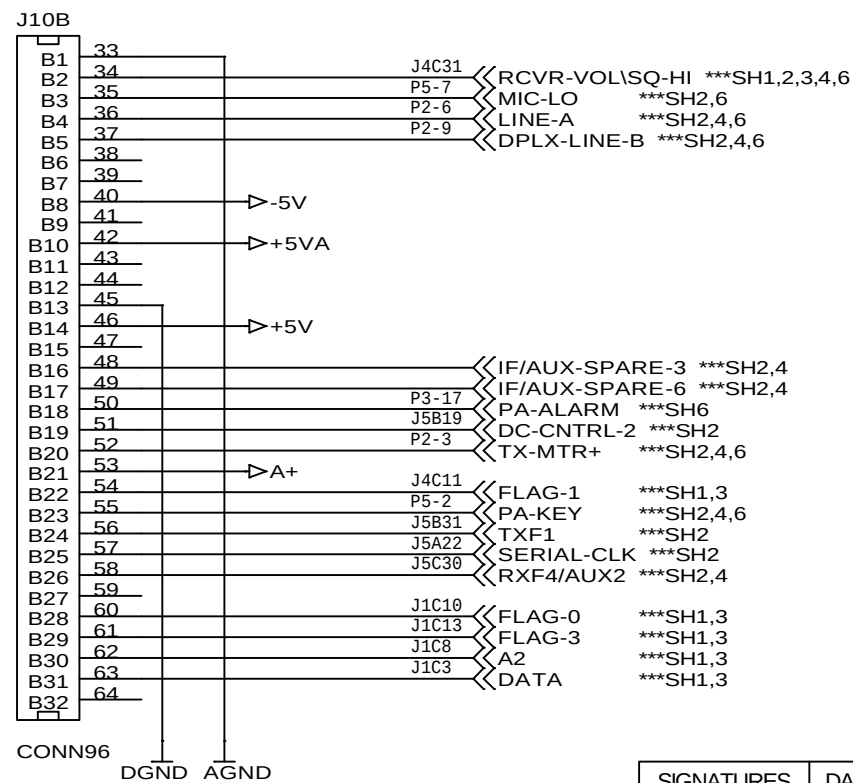
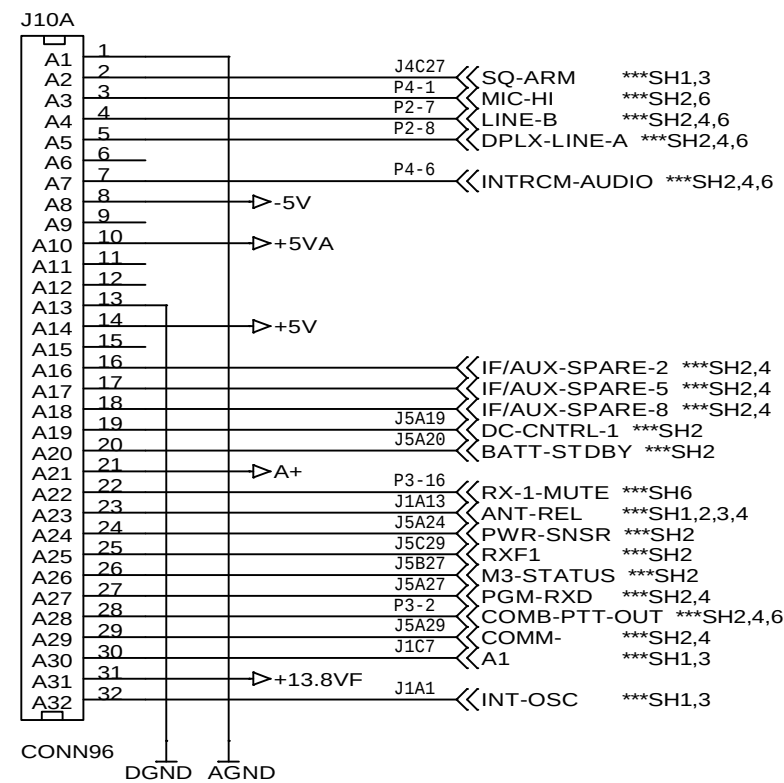


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POWER MODULE



INTERFACE BOARD



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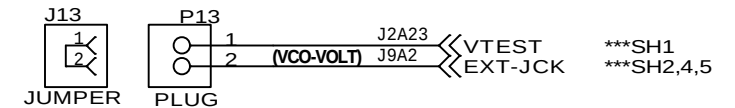
Diagram showing the pin connections for the P1 connector:

- Pin 1: J9A7 (CG-MON) ***SH2,4,5
- Pin 2: J5C3 (2ND-RCVR) ***SH2
- Pin 3: J5C23 (AUX-RX-MUTE) ***SH2
- Pin 4: J5B15 (RUS-IN) ***SH2
- Pin 5: AGND

The connector is labeled CONN5.

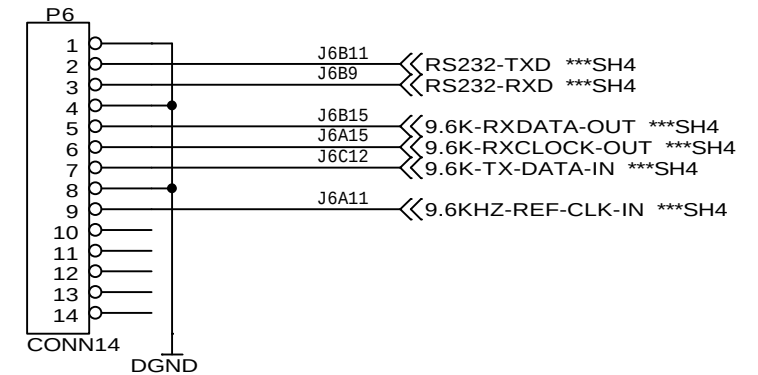
Figure 1-10: P4 connector pin assignment

Pin	Signal	Note
1	J10A3 (MIC-HI)	***SH2,5
2	J9A2 (EXT-JCK)	***SH2,4,5
3	J9A3 (RX-MTR+)	***SH1,2,3,4,5
4	J10C20 (LOCAL-PTT)	***SH2,4,5
5	J10A7 (INTRCM-AUDIO)	***SH2,4,5
6	AGND	



Pin	Component	Function
1		A+
2	(PA-FWD-PWR)	
3	J10B20	TX-MTR+ ***SH2,4,5
4	J4C31	VOLISQ-LO ***SH1,2,3
5	J10B2	RCVR-VOLISQ-HI ***SH1,2,3,4,5
6	J10B4	LINE-A ***SH2,4,5
7	J10A4	LINE-B ***SH2,4,5
8	J10A5	DPLX-LINE-A ***SH2,4,5
9	J10B5	DPLX-LINE-B ***SH2,4,5
10	J5B16	DELAYED-PTT-IN ***SH2
11	J5C12	TX-CG-EN ***SH2
12	J9C5	DETECT-DIS ***SH2,4,5
13	J9B30	REPEAT-PTT-IN ***SH2,4,5
14	J9B31	REMOTE-PTT-IN ***SH2,4,5
15	J9A28	VG-PTT-OUT ***SH2,4,5
16	CONN16	REPEAT-PTT-OUT

Pin	Function	Notes
1	A+	
2	+12V	
3		
4	-12V	
5		
6	J5B7	VG-MIC-HI ***SH2
7	J10B3	MIC-LO ***SH2,5
8	J9B2	SYS-VOL\SQ-HI ***SH2,4,5
9	J5A2	VOL\SQ-LO ***SH1,2,3
10	J10B2	RCVR-VOL\SQ-HI ***SH1,2,3,4,5
11	J5B27	STATUS ***SH2,4,5
12		
13	J9A28	VG-PTT-OUT ***SH2,4,5
14	J9C6	IRM-SER ***SH2,5
15	J5A6	VG-ALERT ***SH2
16	J5C22	VG-SQ-DSBL ***SH2,4,5
17	J5B20	CAS ***SH1,2,3
18	J5B18	CG-MON ***SH2,4,5
19	J5A32	TXF3 ***SH2
20	J9B29	RX-1-MUTE ***SH5
21	J5B32	TXF4 ***SH2
22	J5B26	GETC-DATA ***SH4
23	J9B20	EXT-HSD ***SH2,4,5
24		1950-DIS ***SH2,4,5
25		REPEAT-PTT-OUT



P3#	Pin	Signal	Notes
	1	J6A9	
	2	J10A28	GETC-DATA ***SH4
	3	J10C20	COMB-PTT-OUT ***SH2,4,5
	4	J9B31	LOCAL-PTT ***SH2,4,5
	5	J5B20	REMOTE-PTT-OUT ***SH2,4,5
	6	J5C16	CAS ***SH1,2,3
	7	J5B15	COMB-PTT-IN ***SH2,4,5
	8	J5B18	RUS-IN ***SH2
	9	J5B22	CG-MON ***SH2,4,5
	10		WALSH-1 ***SH2
	11	(MODULE-ALARM)	
	12	J5B28	REPEAT-PTT-OUT
	13	(RPTR-STBY-IN)	GETC-RESET ***SH2
	14	J9A26	VG-SQ-DSBL ***SH2,4,5
	15	J9B20	EXT-LSD ***SH2,4,5
	16	(SYS-RUS-OUT)	1950-DIS ***SH2,4,5
	17	J10B18	RX-1-MUTE ***SH5
	18	(LO-PA-PWR)	PA-ALARM ***SH5
		J10A28	COMB-PTT-OUT ***SH2,4,5

CONN18 DGND

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