

CONNECTOR NO. (MATES WITH KEYER)

J6-A	Keyer Keyline
B	Keyer Keyline Common
C	Keyer Standby Operate
D	Operate/Standby Common
E	Keyer Fault Return
F	Keyer Fault

CONNECTOR NO. (MATES WITH LCU)

J8-A	USB Sideband Select Control
B	LSB Sideband Select Control
C	2ISB Sideband Select Control
D	4ISB Sideband Select Control
G	A0 Class of Emission Readback
H	A2, A3E Class of Emission Readback
J	A1, F1, F4 Class of Emission Readback
K	SSB-10 Class of Emission Readback
L	SSB-20 Class of Emission Readback
M	SSB-40 Class of Emission Readback
N	SSB-∞ Class of Emission Readback
P	Operate Readback
R	Standby Readback
S	USB Sideband Readback
T	LSB Sideband Readback
U	2ISB Sideband Readback
V	4ISB Sideband Readback
Y	Ready Readback Common
Z	Ready Readback
a	Fault Readback
b	Fault Readback Common
c	Local Status
d	Transmitter Not Available Readback Common
f	Tune Command
g	Tune Activate Common (ground)
h	+5 VDC
i	PTT Readback
j	Transmitter Fail
k	VFG Readback
m	Standby-Operate Readback Common
n	Sideband Select Common
q	Sideband Readback Common
r	Class of Emission Readback Common
	VFG Command

CONNECTOR NO. (MATES WITH LPA)

FL2J1-A	B	W5	Band Encoder Output (to LPA)
C	W4		
D	W3		
E	W2		
F	W1		
G	Standby Return	(from LPA)	
H	Operate Return	(from LPA)	
J	Ready	(from LPA)	
K	Tune Enable	(from LPA)	
L	LPA Fault	(from LPA)	
M	Inhibit	(to LPA)	
N	Tune	(to LPA)	
P	Tune	(to LPA)	
R	Stdb Oper. Com.	(to LPA)	
S	Standby	(to LPA)	
T	Mode	(to LPA)	
U	Keyline	(to LPA)	
V	Local Override	(from LPA)	
W	Operate	(to LPA)	
r	LPA Common		

CONNECTOR NO. (MATES WITH LCU)

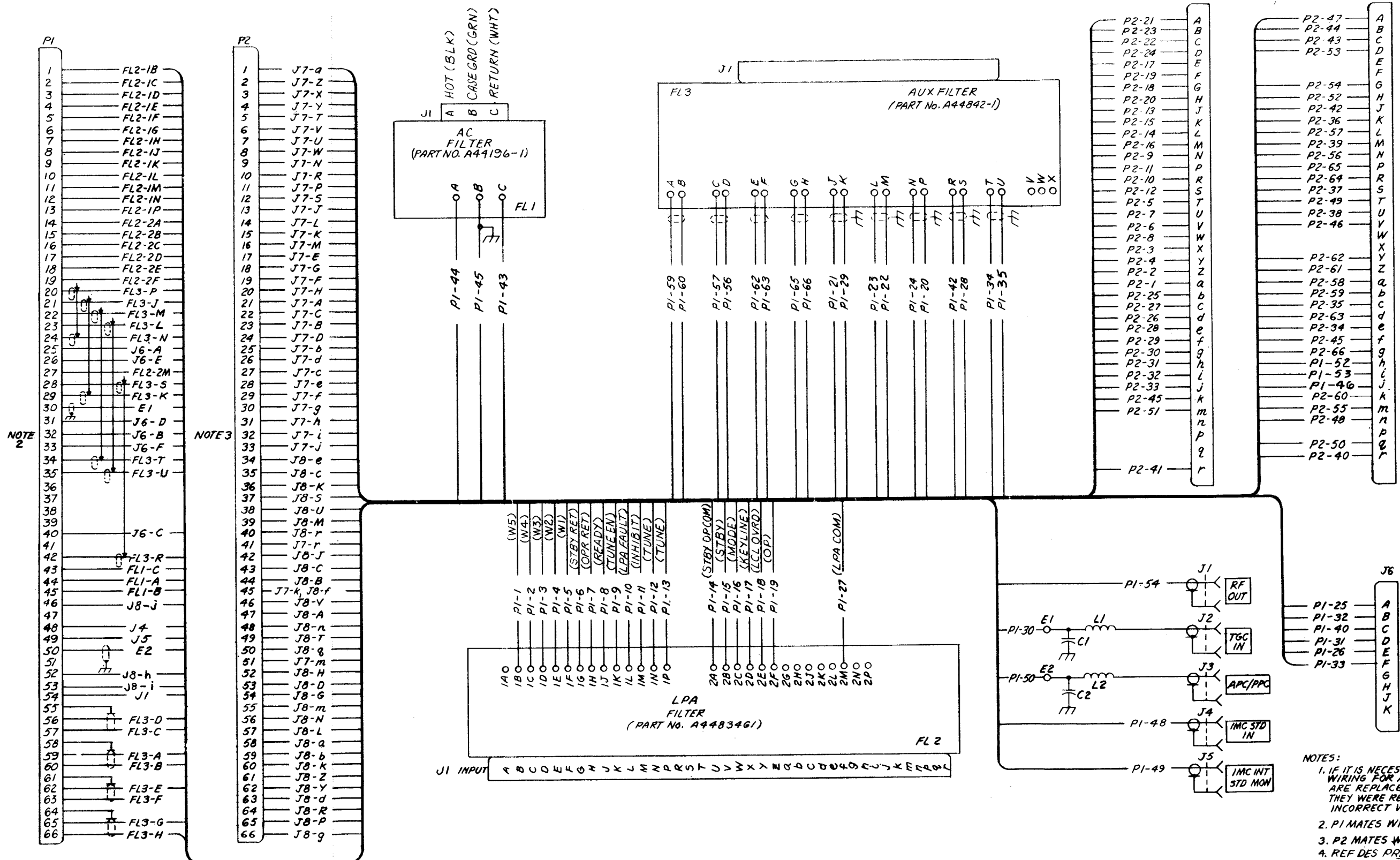
J7-A	FREQUENCY SELECTION	
B		100 CPS
C		
D		
E		
F		
G		1 KC
H		
J		
K		
L		
M		10 KC
N		
P		
R		
S		
T	100 KC	
U		
V		
W		
X		
Y	1 MC	
Z		
a		
b		
c		
d	10 MC	
e		
f		
g		
h		
i	VCO SELECTION	
j		
k		
m		
n		
q	CLASS OF EMISSION SELECTION	
r		
	CONNECTOR NO. (AC POWER)	
	CONNECTOR NO. (MATES WITH LCU)	
	CONNECTOR NO. (MATES WITH KEYER)	

CONNECTOR NO. (AC POWER)

FL1J1-A	Hot	1 Phase 115/230 VAC ±10%, 50-60 cps ±5%
B	Case Ground	
C	Return	

CONNECTOR NO. (AUXILIARY)

FL3J1-A	B	Channel B2 Audio Input
C	Channel B1 Audio Input	
D	Channel A1 Audio Input	
E	Channel A2 Audio Input	
F	Channel A2, B2 Auxiliary Readback	
G	Channel B1 Auxiliary Readback	
H	Channel A1 Auxiliary Readback	
J	Push-to-Talk	
K	Push-to-Talk Common	
L	Auxiliary Common	
M	Channel A2, B2 Auxiliary Readback	
N	Channel B1 Auxiliary Readback	
P	Channel A1 Auxiliary Readback	
R	B+ ON Auxiliary Readback	
S	RF ON Readback	
T	Int. Std. Fail	
U		



- NOTES:
- 1. IF IT IS NECESSARY TO REMOVE INTERCONNECTING WIRING FOR ANY REASON, BE SURE THAT THE WIRES ARE REPLACED ON THE SAME TERMINALS FROM WHICH THEY WERE REMOVED. DAMAGE COULD RESULT FROM INCORRECT WIRING.
  - 2. P1 MATES WITH A1B19 (SEE FIG 5-90)
  - 3. P2 MATES WITH A1B18 (SEE FIG 5-90)
  - 4. REF DES PREFIX A19.

Figure 5-91. Modulator-Synthesizer  
MD-777/FRT, Rear Filter-Panel,  
Interconnection Diagram