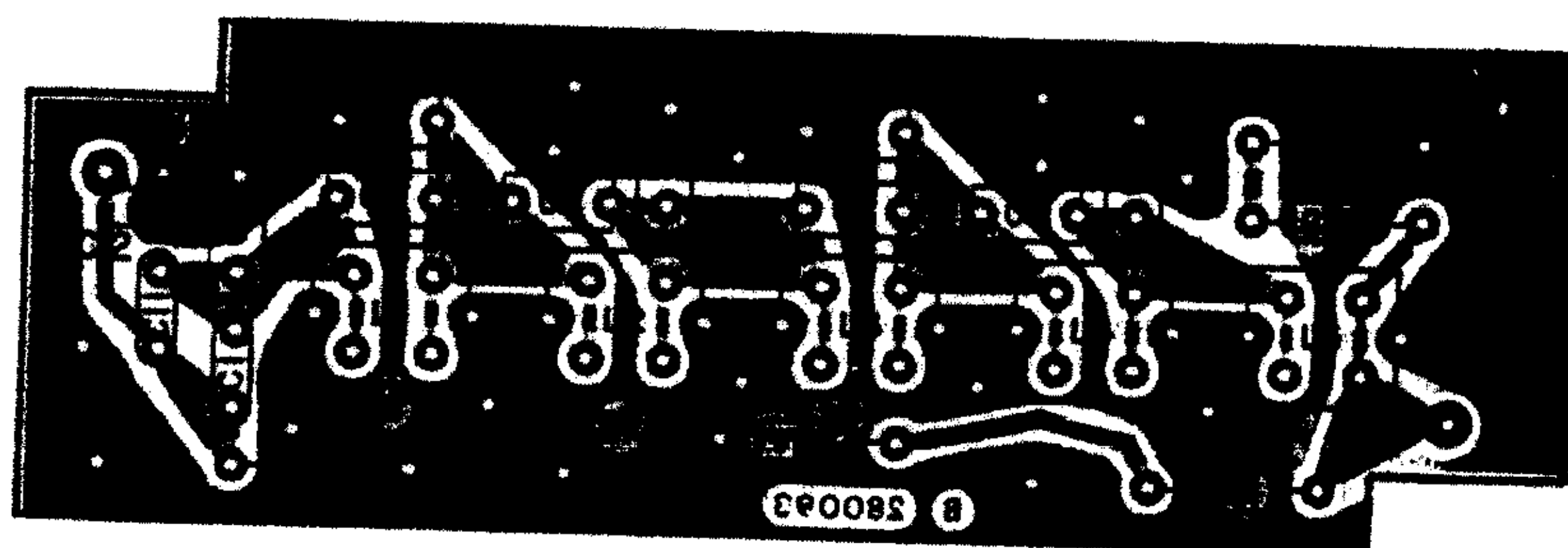


SECTION VI
SCHEMATIC DIAGRAMS

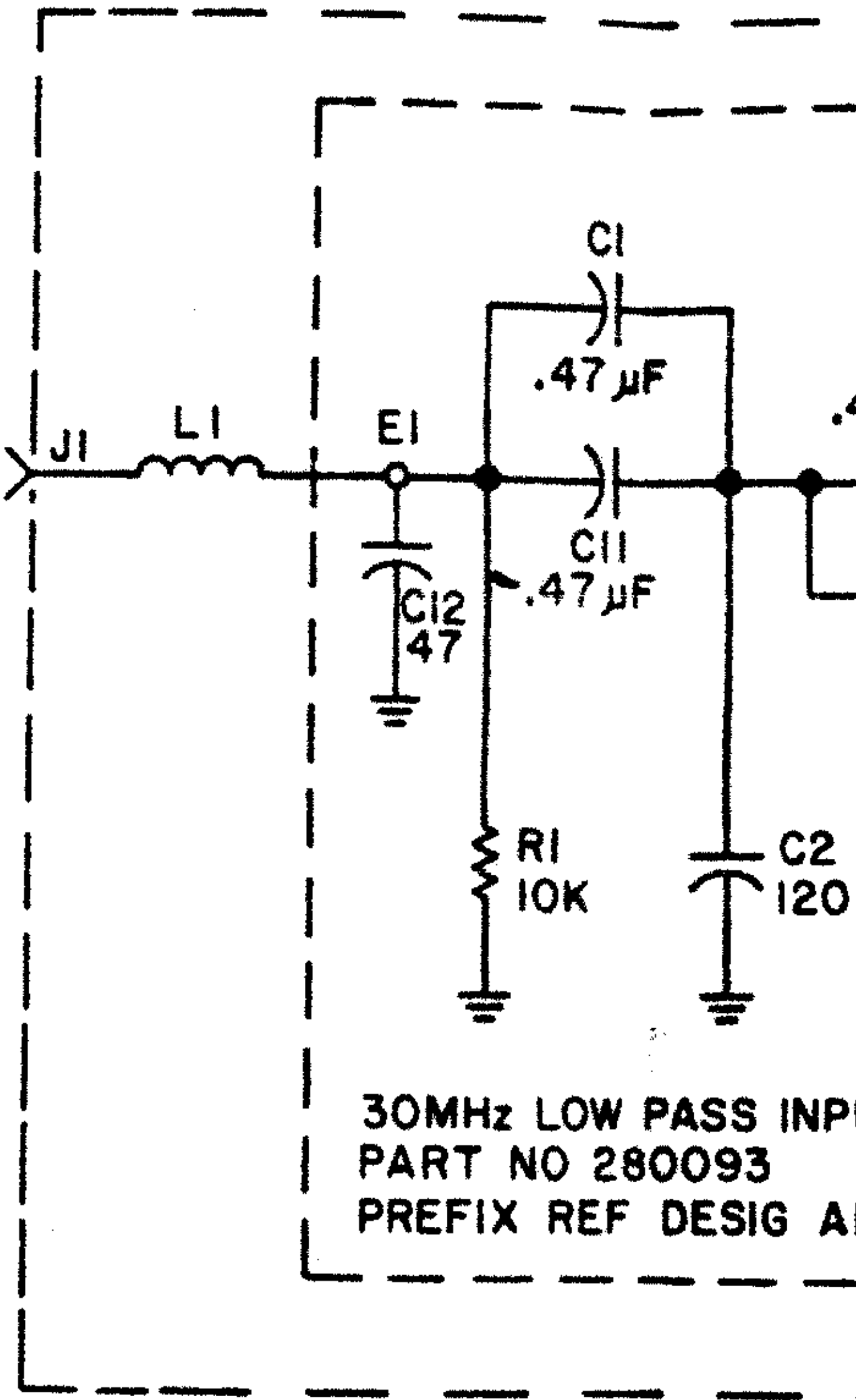


6-3

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a.) RESISTANCE IS IN OHMS $\pm 5\%$, 1/4W
b.) CAPACITANCE IS IN pF

2	DASH NO.	R1	R2	R3
	-1	8.2 1/8 W	560 1/8 W	560 1/8 W
	-2	NOT USED (JUMPER)	NOT USED	NOT USED



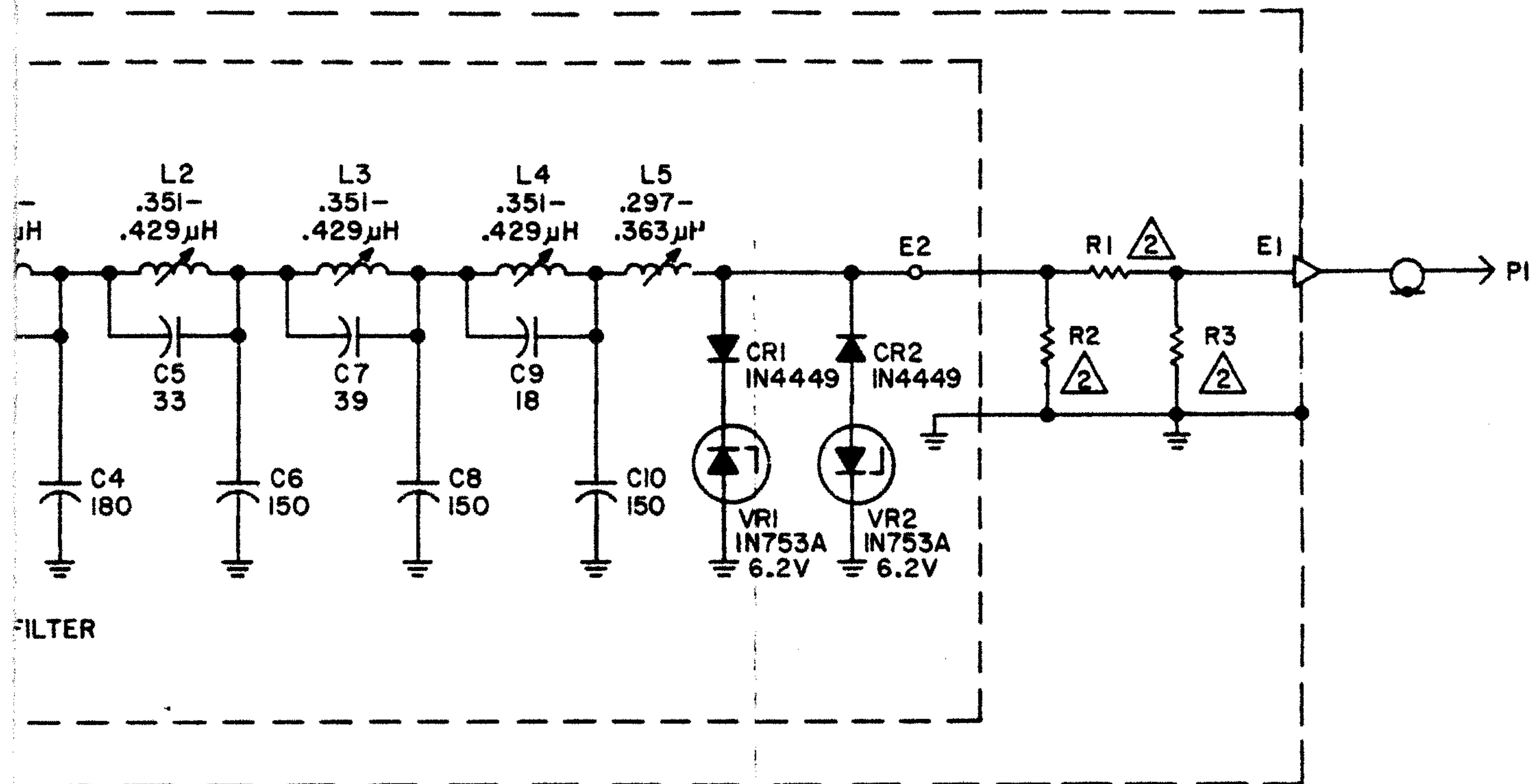
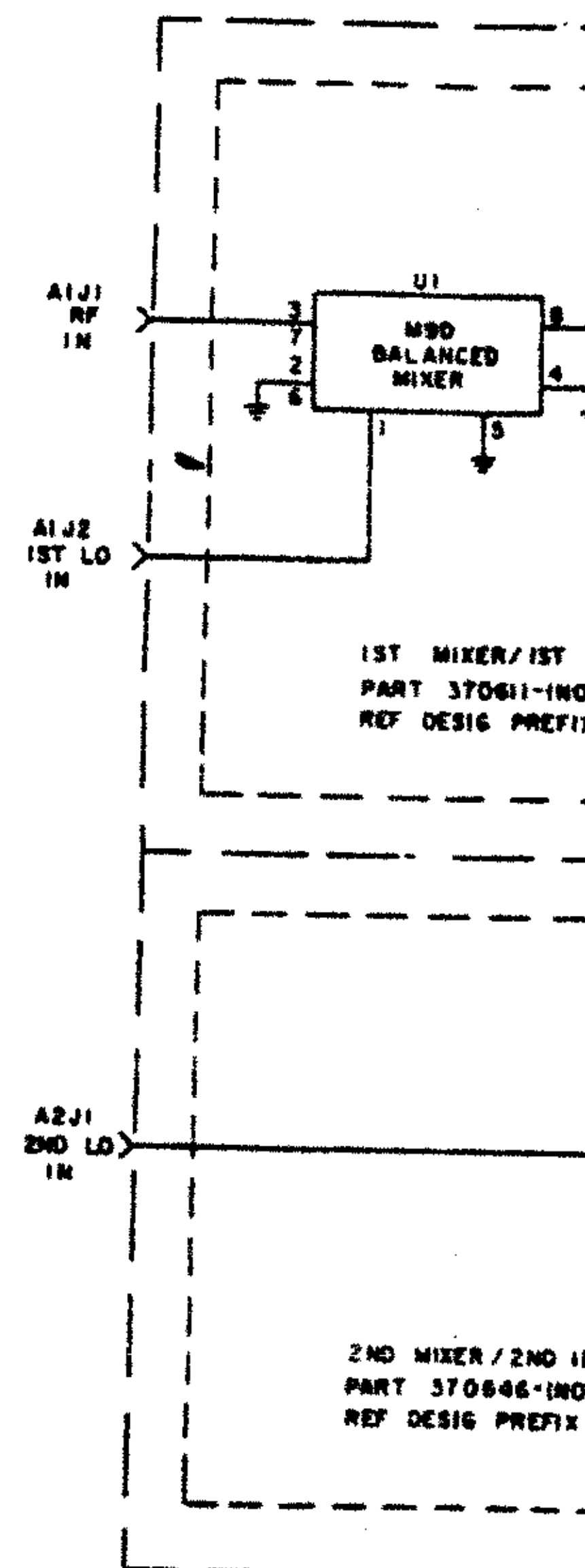
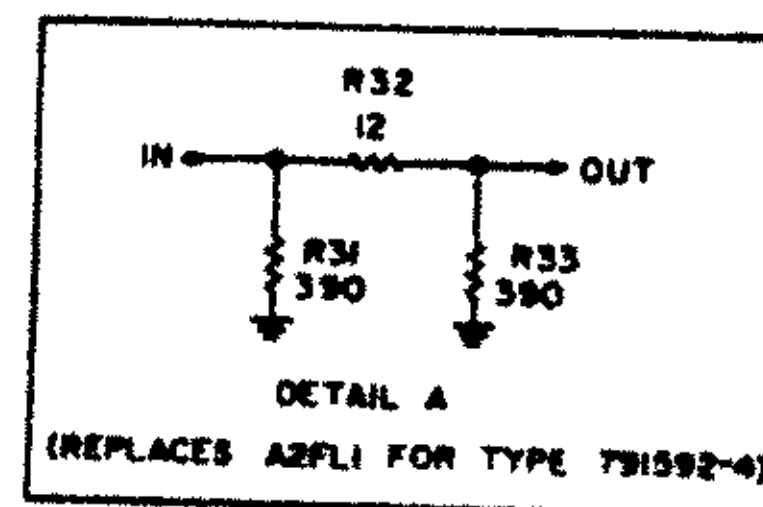
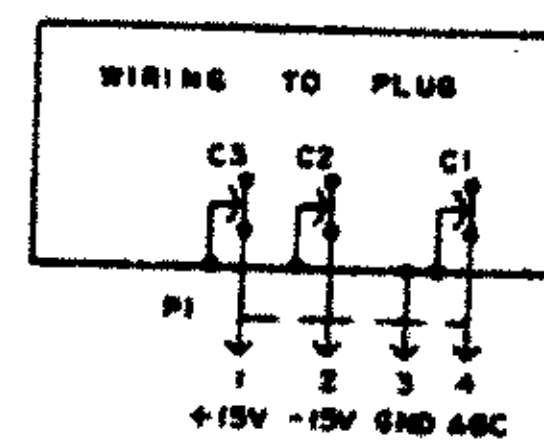


Figure 6-1. Type 791616-1 Input Filter (A2)
Schematic Diagram 380082

- NOTES:
1. UNLESS OTHERWISE SPECIFIED
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W
b) CAPACITANCE IS IN pF
 2. NOMINAL VALUE, FINAL VALUE FACTORY SELECTED.
 3. DIFFERENCE BETWEEN TYPES ARE SHOWN IN TABLE A.

TABLE A

TYPE	A1	A2	A1FL1		A2FL1		A2R1Z	C1	R1	A2R1S	A2R50
			PART	BW	PART	BW					
791592-1	370611-1	370646-1	92123	28kHz	92124	18kHz	4.7	NOT USED	NOT USED	68	10
791592-2	370611-1	370646-1	92123	28kHz	92124	18kHz	4.7	9062-3030	1K	68	10
791592-3	370611-2	370646-2	92195	84kHz	92196	40kHz	12.0	NOT USED	NOT USED	68	10
791592-4	370611-4	370646-3	92221	100kHz	SEE DETAIL A		4.7	NOT USED	NOT USED	68	10
791592-5	370611-5	370646-4	92212	40kHz	92211	30kHz	13	NOT USED	NOT USED	22	22
791592-6	370611-6	370646-5	92248	150kHz	92247	100kHz	4.7	NOT USED	NOT USED	68	10
791592-7	370611-6	370646-6	92248	150kHz	92266	58kHz	4.7	NOT USED	NOT USED	68	10



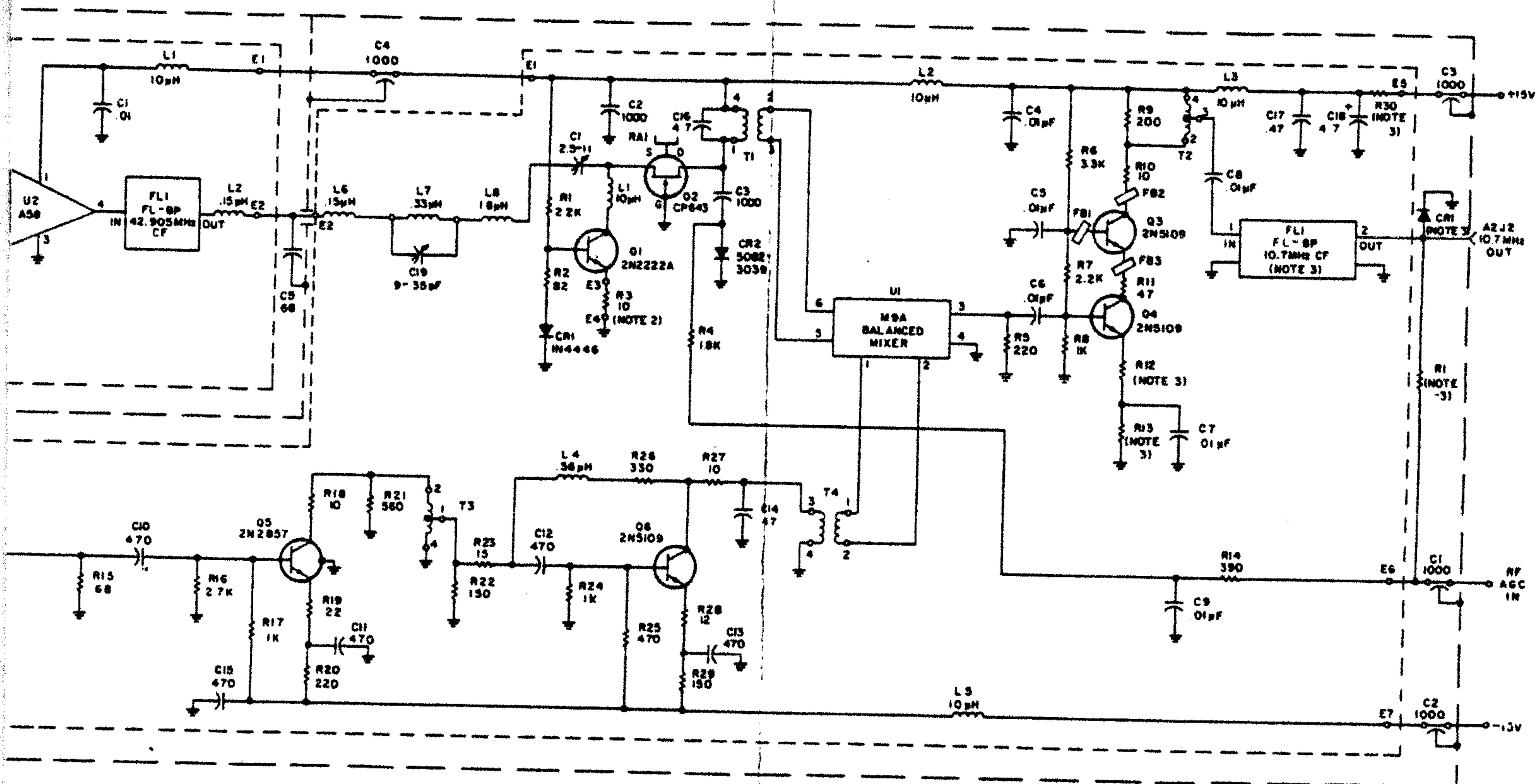
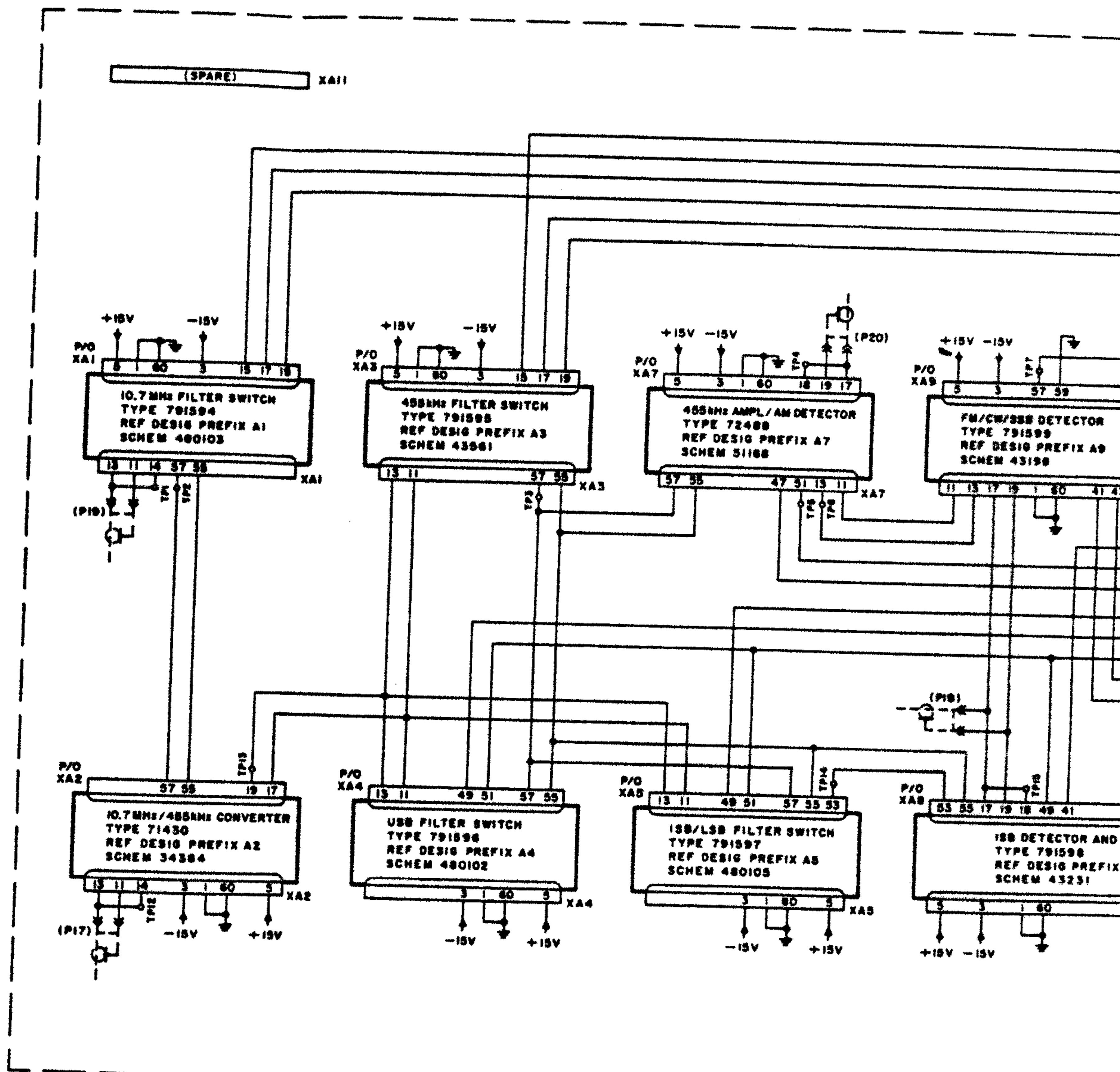


Figure 6-2. Type 791592-1 Input Converter (A3)
Schematic Diagram 570202



NOTES:

1. CAPACITANCE IS IN μ F.
2. SPARE "E" NOS AND CAPACITORS ARE NOT SHOWN. EACH CAPACITOR REFERENCE NUMBER IS IDENTICAL TO EACH "E" NO.; C3 ON E3, C26 ON E26, ETC.
3. MOST MODULE PINS ARE NOT SHOWN DUE TO UNNECESSARY LINE DUPLICATIONS AND COMPLEXITY. SEE EACH MODULE'S DWS FOR CLARITY.
4. PLUGS SHOWN IN DASH LINES ARE PART OF NEXT ASSEMBLY AND NOT OF THIS MODULE.

TEST POINTS DESCRIPTIONS:

- TP1 10.7MHz INPUT
- TP2 10.7MHz FILTER SW OUTPUT
- TP3 455kHz FILTER SW IF OUTPUT
- TP4 455kHz AMPLIFIER IF OUTPUT
- TP5 DETECTED AM
- TP6 IF INPUT TO FM/CW/SSB DETECTOR
- TP7 FM/CW AUDIO
- TP8, TP9 LINE AUDIO
- TP10 PHONE AUDIO
- TP11 LINE LEVEL AUDIO
- TP12 3RD LO INPUT TO 10.7MHz/455kHz CONVERTER
- TP13 10.7MHz/455kHz CONVERTER IF OUTPUT
- TP14 LSB IF INPUT
- TP15 SFO INPUT
- TP16, TP17, TP18 LSB AUDIO
- TP19 IF AGC
- TP20 N/U
- TP21 LSB AGC
- TP22 RF AGC

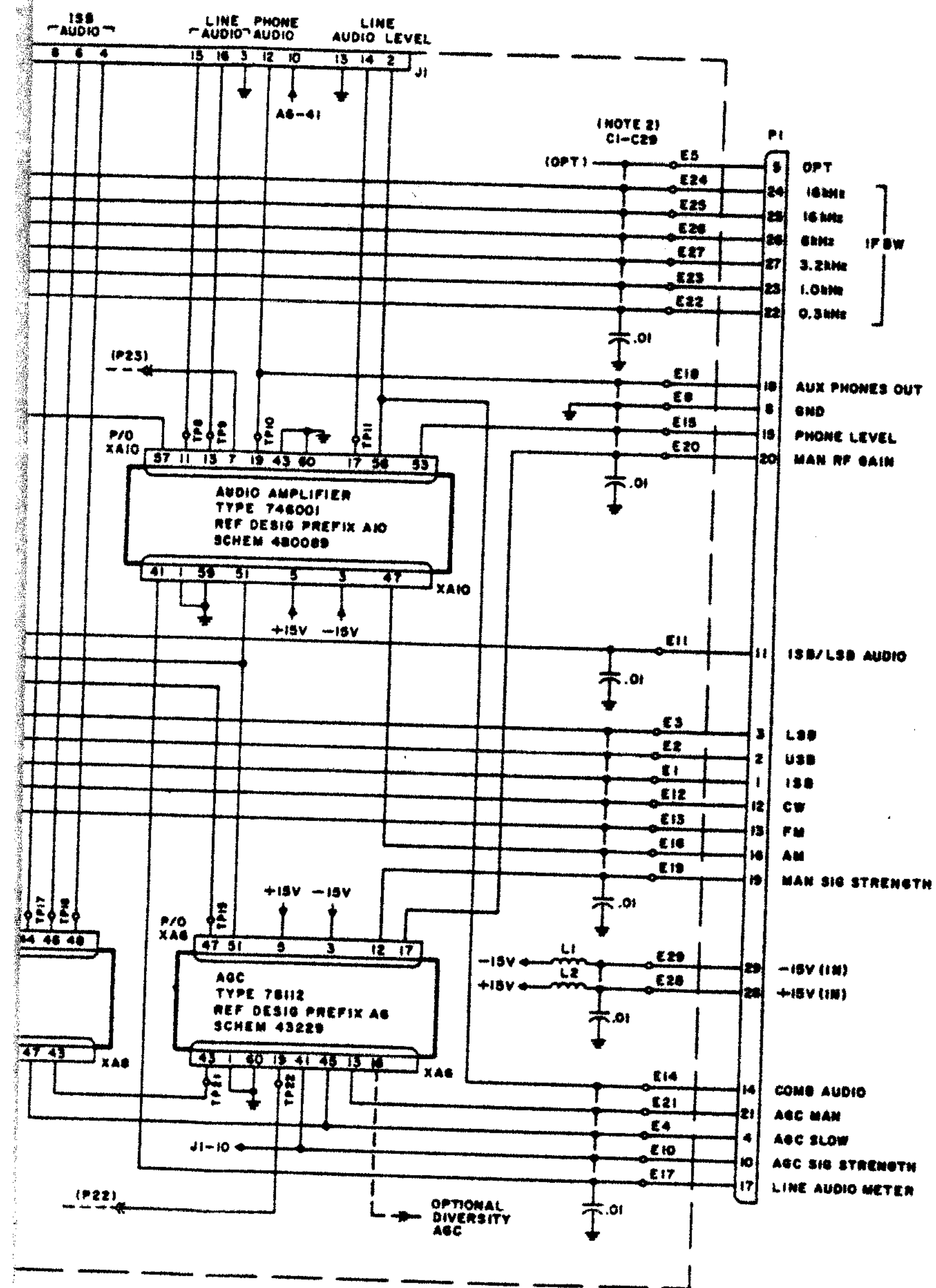
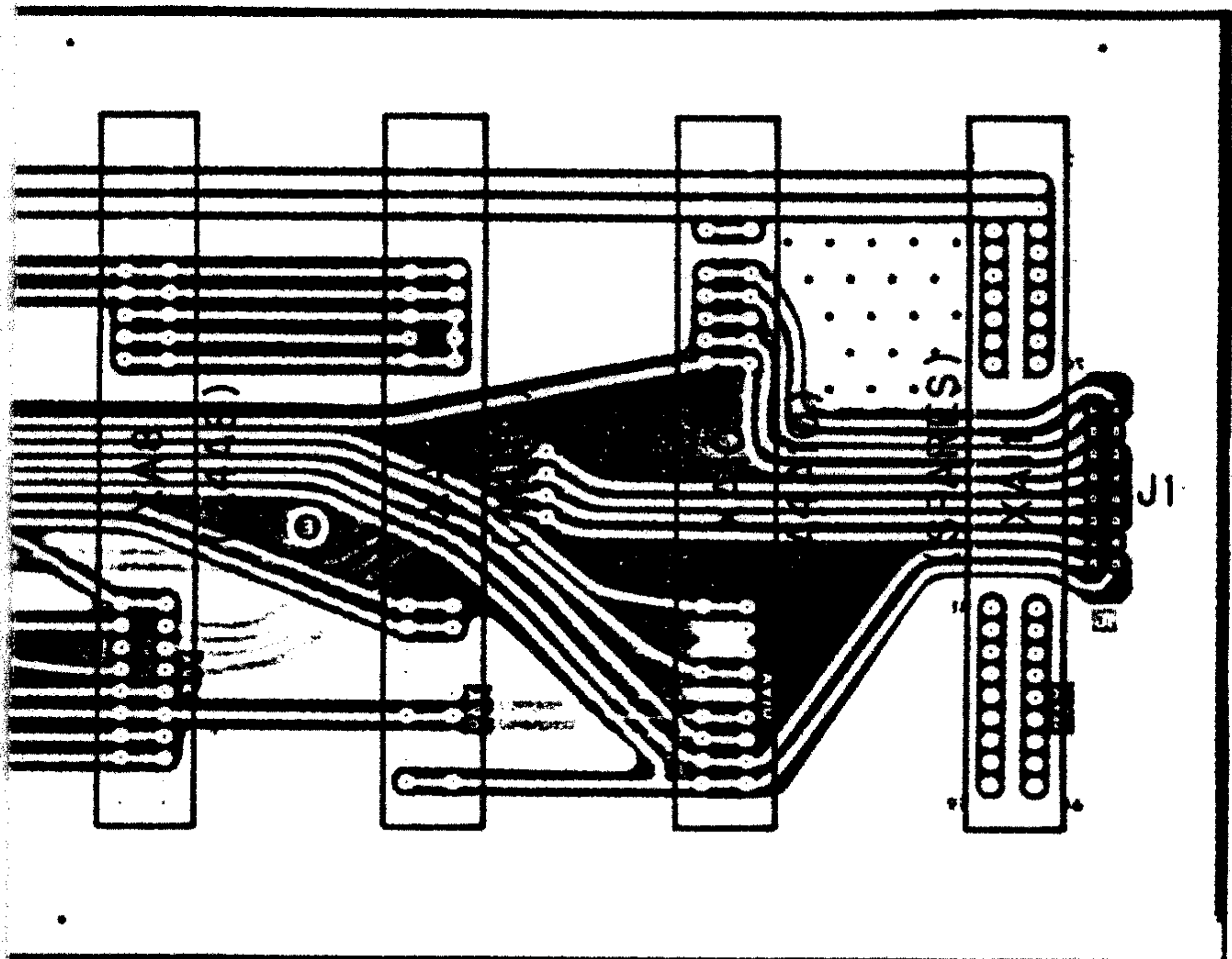
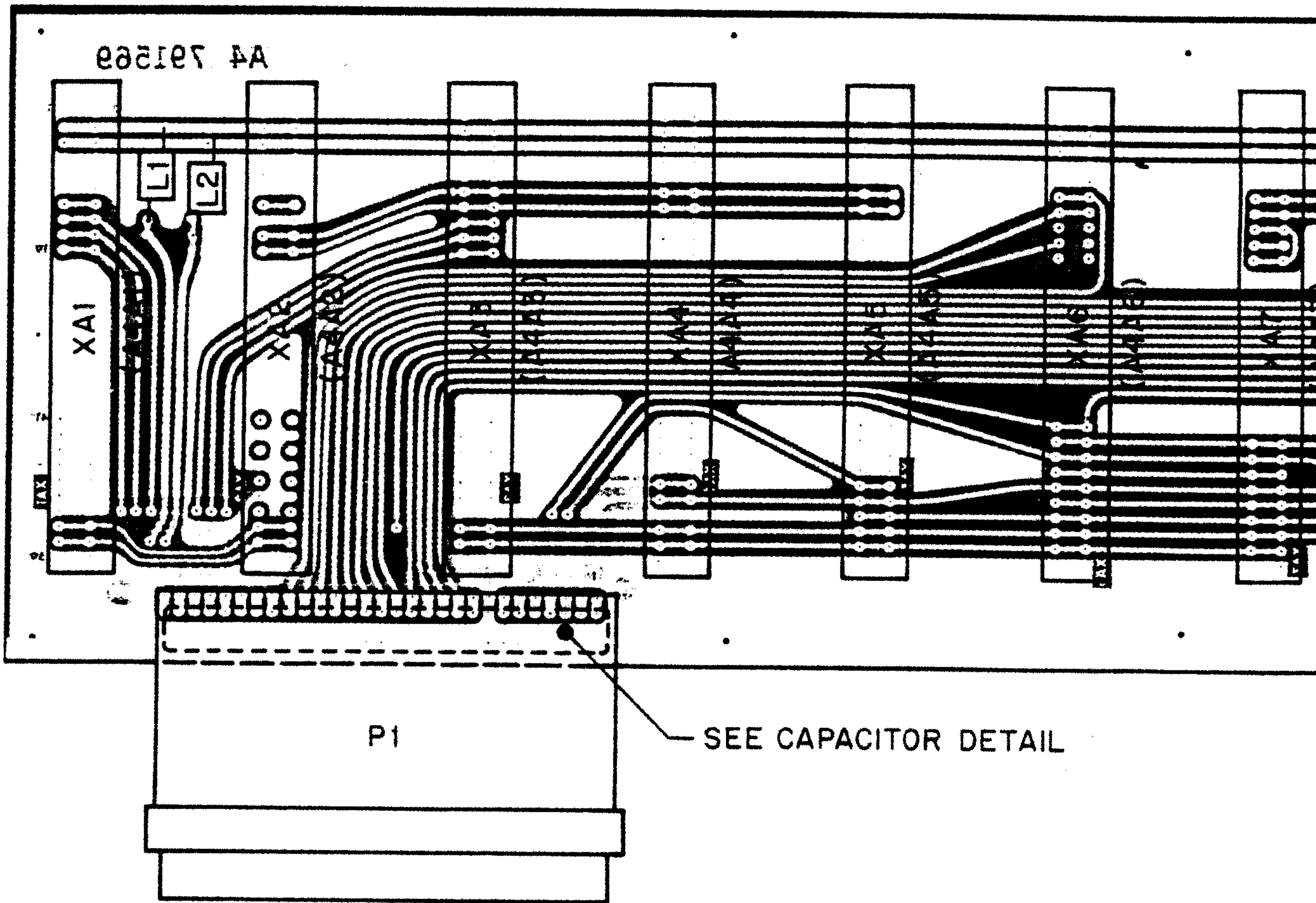


Figure 6-3.

Type 791569 IF Motherboard (A4)
Schematic Diagram 570191





NOTES.

1. UNLESS OTHERWISE SPECIFIED:
 a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
 b) CAPACITANCE IS IN μF .
2. PIN CONFIGURATION SHOWN IN DETAIL A.
3. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE I.

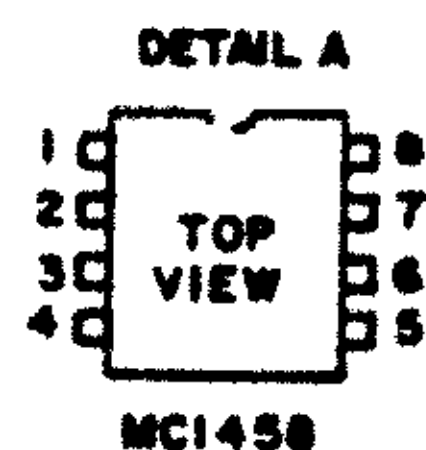
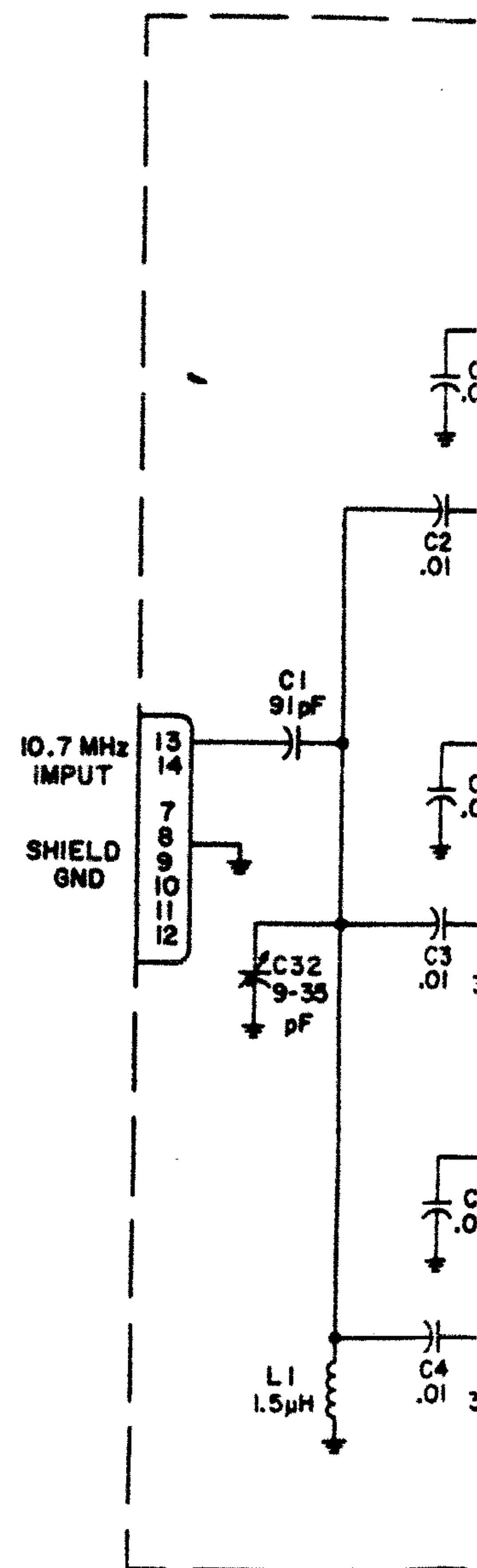


TABLE I

TYPE	R19	R46	C17	FL1		FL2		FL3	L4	R22	R23	R24
				PART	BW	PART	BW					
791594-1	220	12	0.1	92126	3.2 kHz	92125	6.0 kHz	NOT USED	NOT USED	33	560	33
791594-2	220	12	0.1	92229	4.0 kHz	92125	6.0 kHz	NOT USED	NOT USED	33	560	33
791594-3	1.2K	47	27 pF	92220	8.0 kHz	92219	40 kHz	SFE10.7MA-5RED	10 μH	NOT USED	510	510
791594-4 MECH ONLY	220	12	0.1	92126	3.2 kHz	92125	6.0 kHz	NOT USED	NOT USED	33	560	33



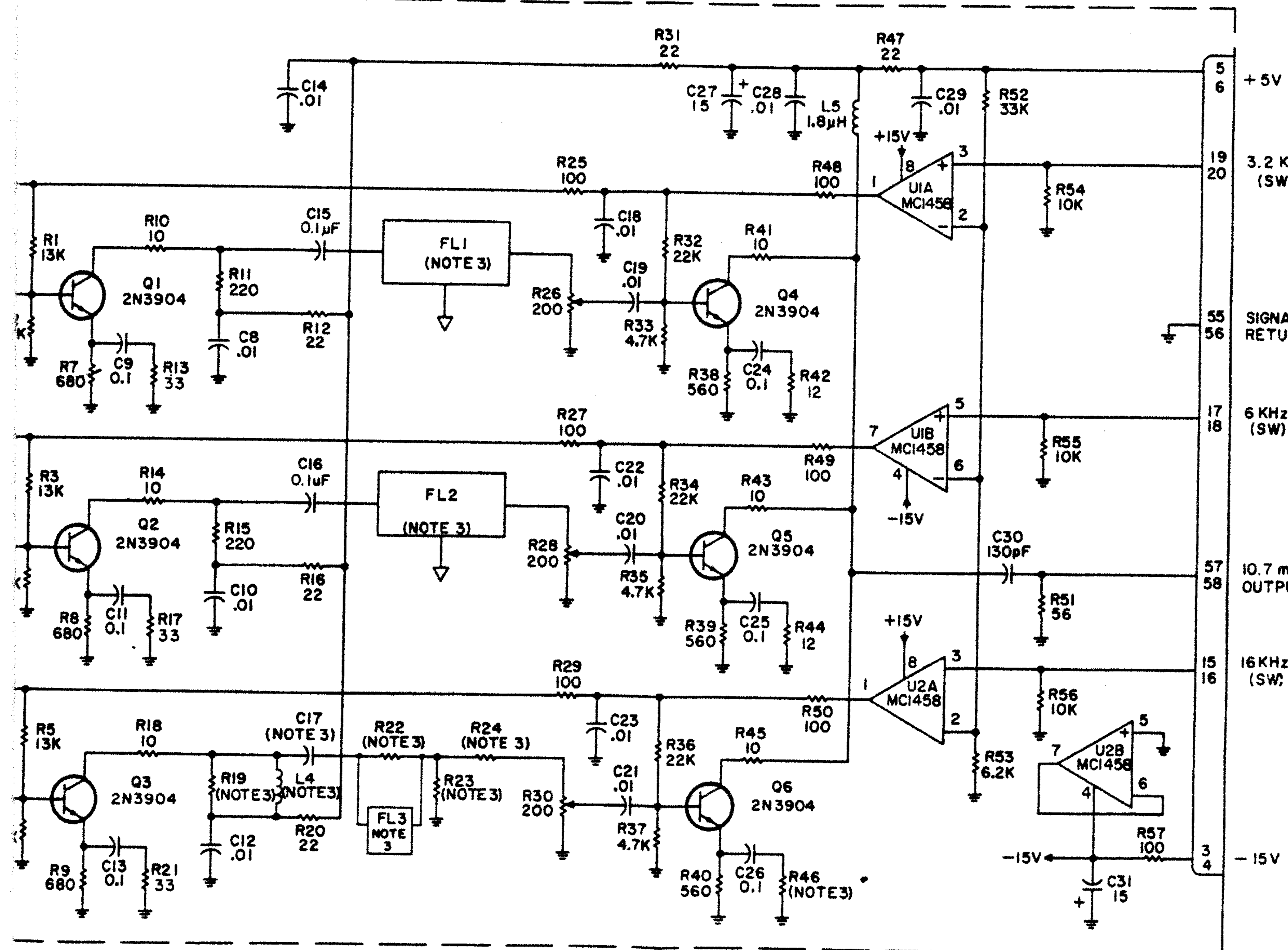
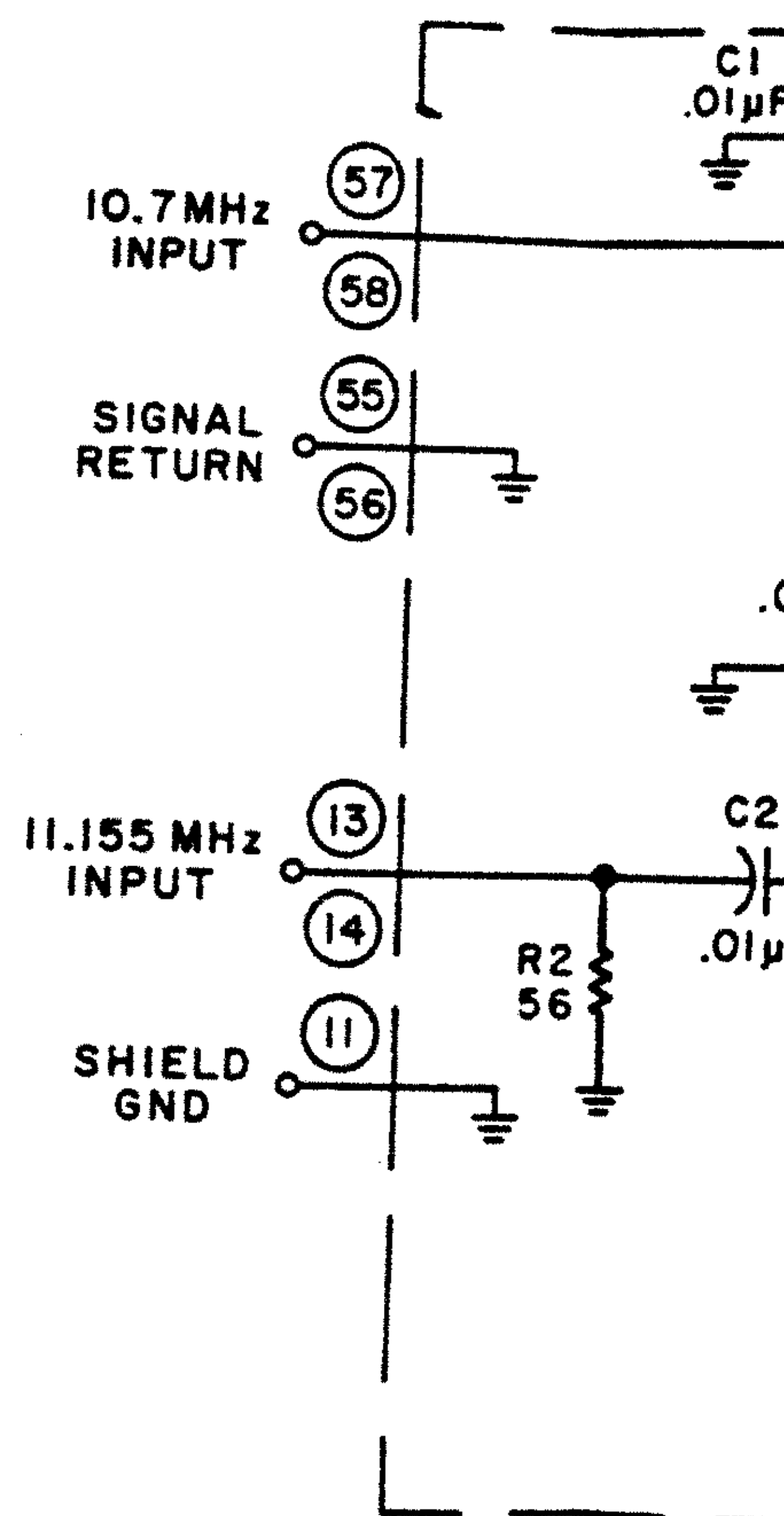


Figure 6-4.

Type 791594 10.7 MHz Filter Switch (A4A1)
Schematic Diagram 480103

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
 - a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
 - b) CAPACITANCE IS IN pF.
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. DIFFERENCE BETWEEN TYPES IS MECHANICAL ONLY.



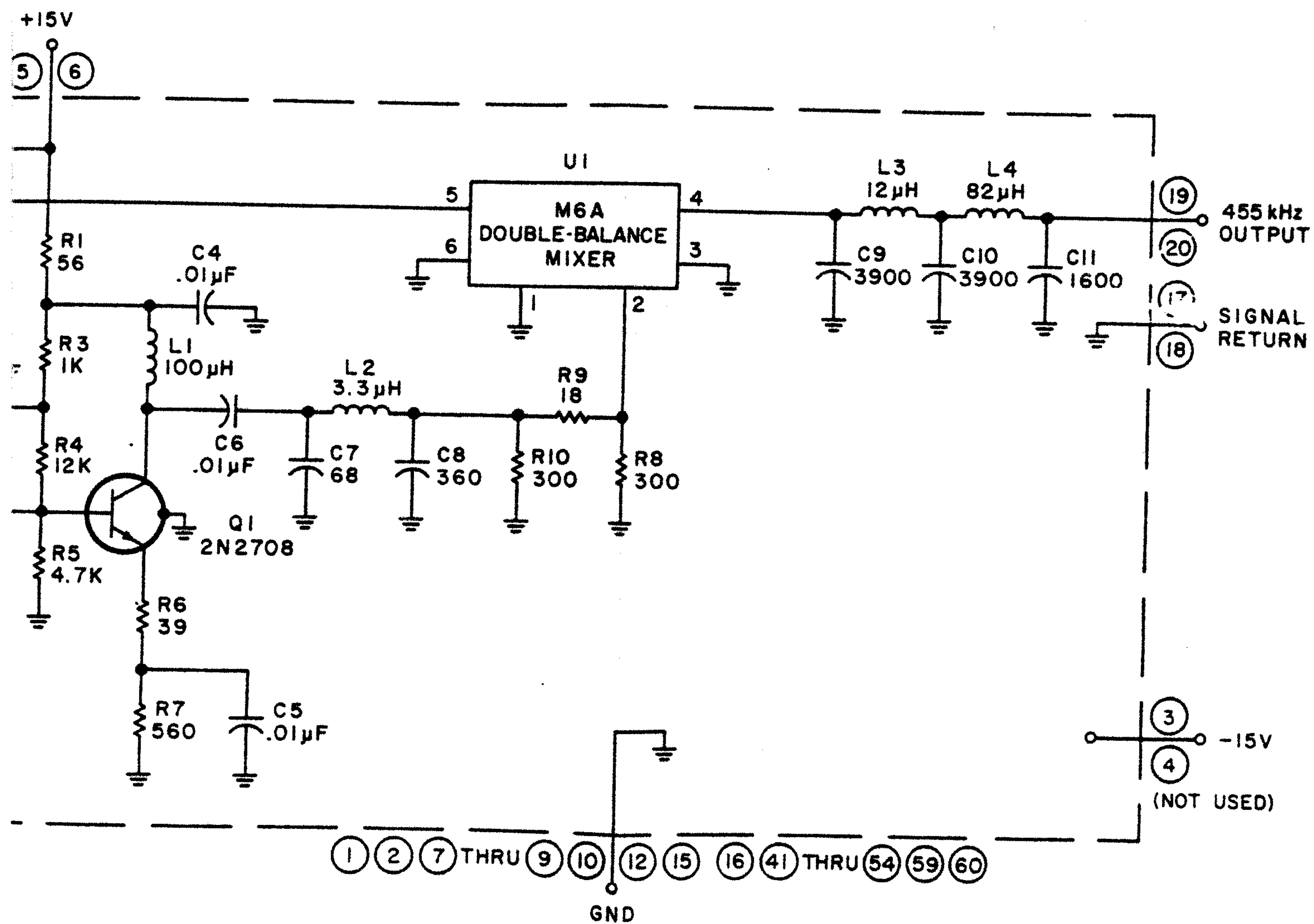


Figure 6-5.

Type 71430 10.7 MHz/455 kHz Converter (A4A2)
Schematic Diagram 34384

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
 a) RESISTANCE IS IN OHMS $\pm 5\%$, 1/4 W.
 b) CAPACITANCE IS IN μF .
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE I.
4. IF DIFFICULTY OF PROCUREMENT EXISTS FOR PART MC3403P PART LM348N MAY BE USED AS ALTERNATE IN THIS APPLICATION.
5. NOMINAL VALUE, FINAL VALUE FACTORY SELECTED.

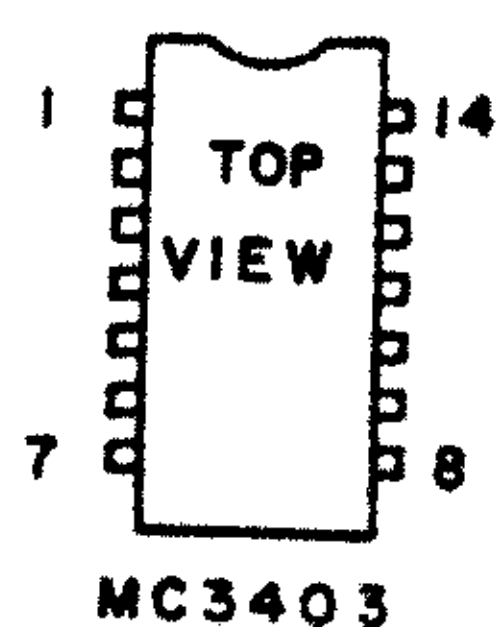
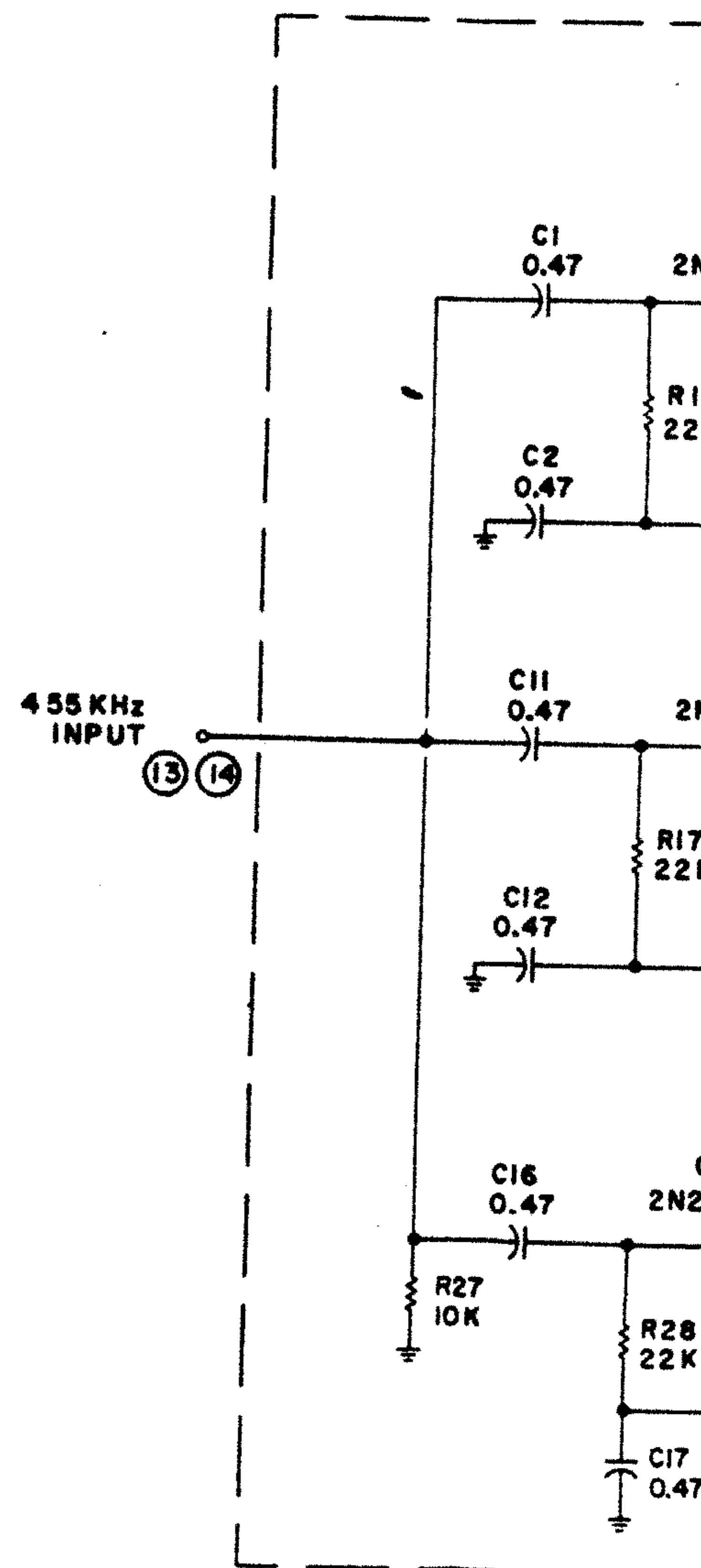


TABLE I

TYPE	FL1		FL2		R32
	PART	SW	PART	SW	
791595-1	92126	325 Hz	92127	1 kHz	220
791595-2	20611	100 Hz	92127	1 kHz	220
791595-3	92210	300 Hz	92209	1 kHz	220
791595-4	92126	325 Hz	92127	1 kHz	NOTE 8
791595-5	92127	1 kHz	92249	3.2 kHz	NOTE 8
791595-6 MECH ONLY	92128	325 Hz	92127	1 kHz	220



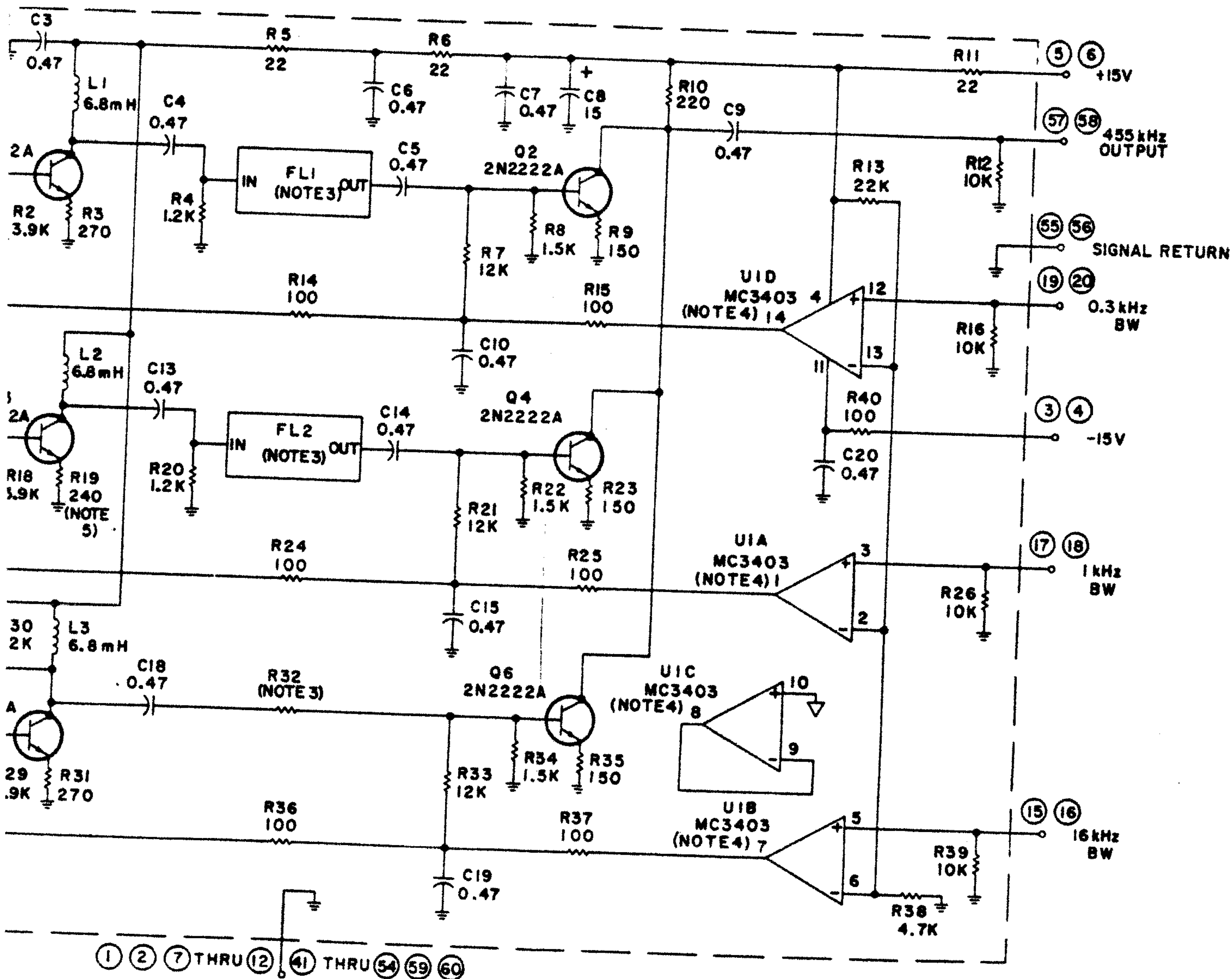


Figure 6-6.

Type 791595 455 kHz Filter Switch (A4A3)
Schematic Diagram 43561

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
 - a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
 - b) CAPACITANCE IS IN μF .
2. PIN CONFIGURATION IS SHOWN IN DETAIL A
3. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE A

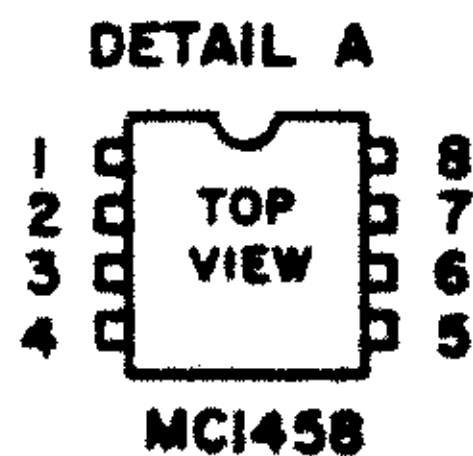
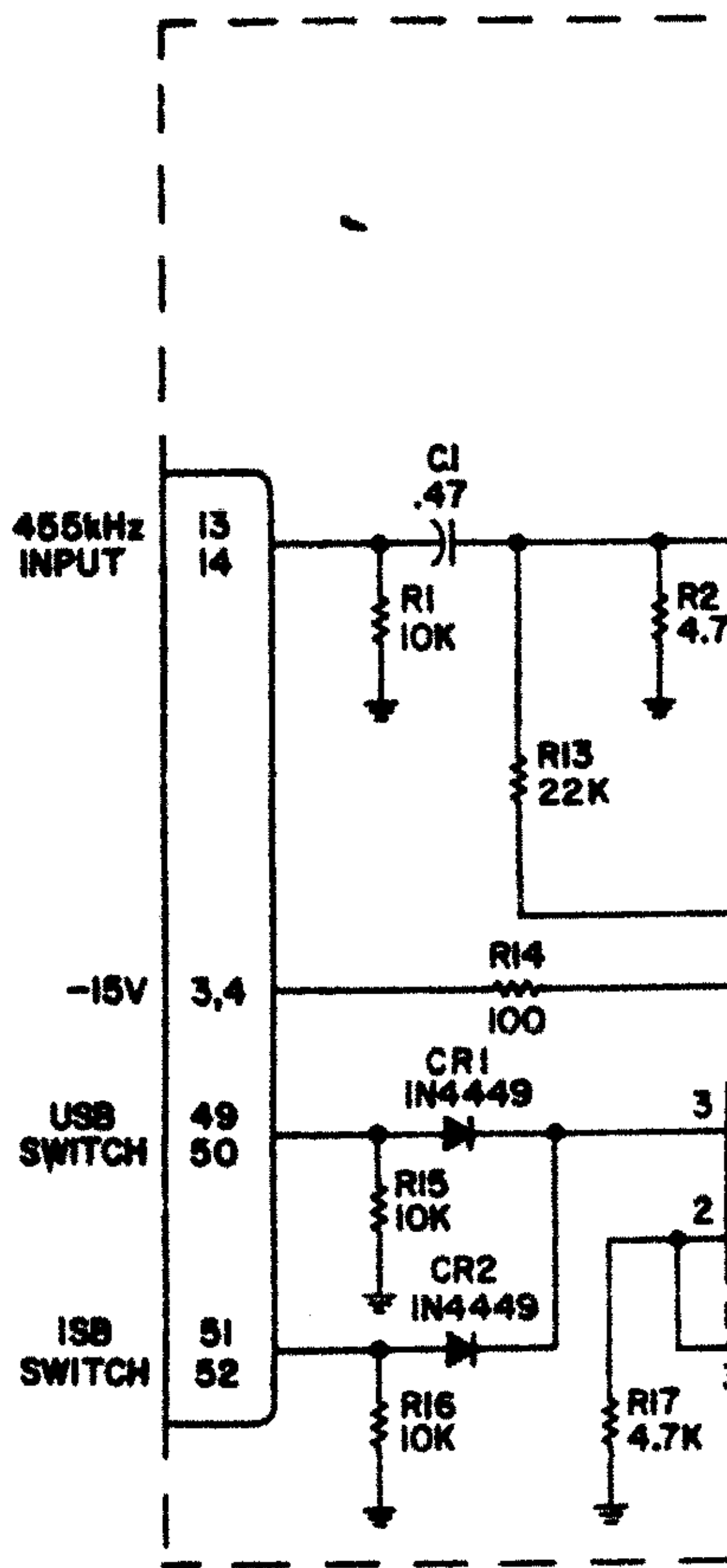


TABLE A

TYPE	FLI
791596-1	92122
791596-2	92194
791596-3 (MECH ONLY)	92122



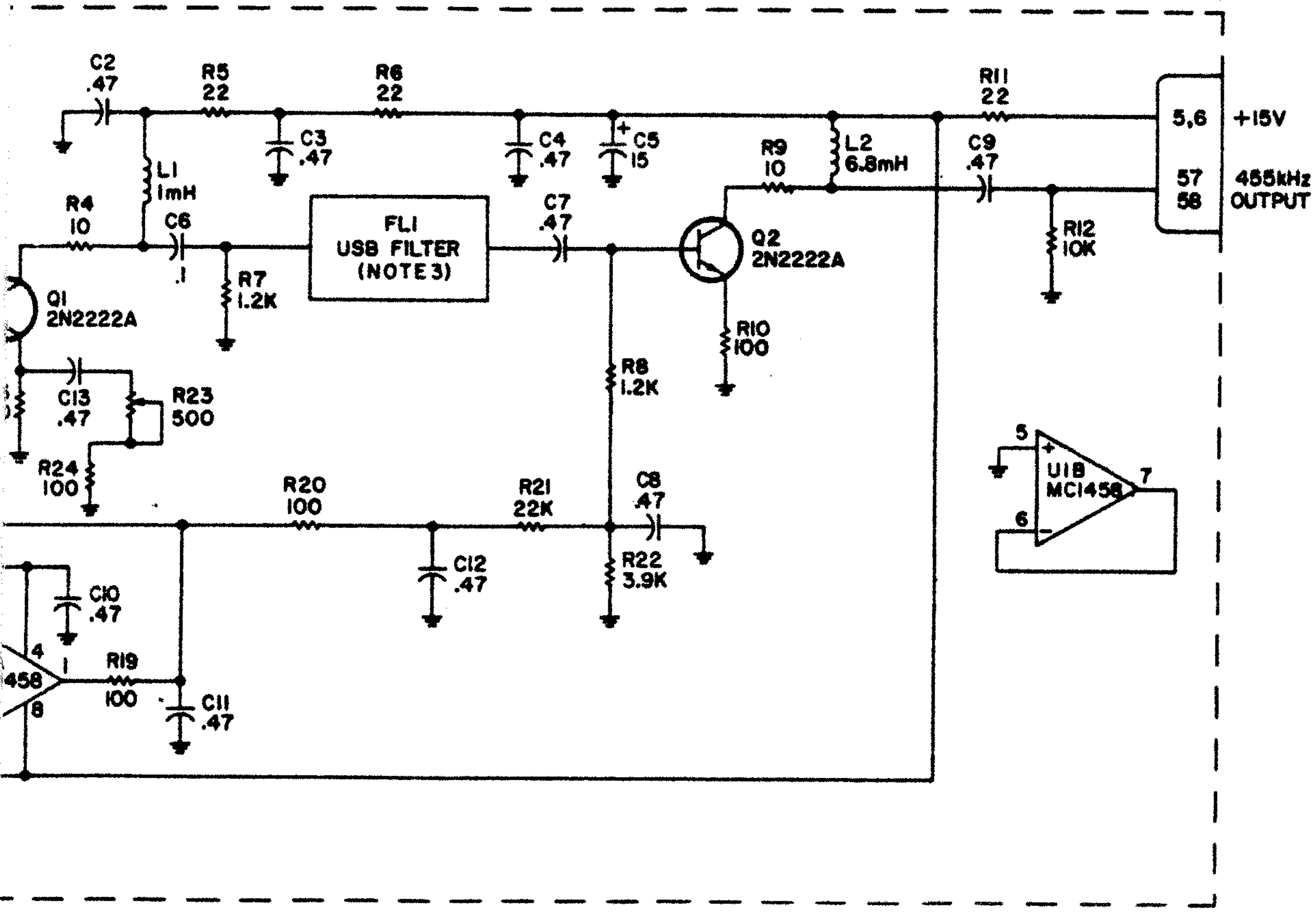


Figure 6-7.

Type 791596 USB Filter Switch (A4A4)
Schematic Diagram 480102

- NOTES:
- UNLESS OTHERWISE SPECIFIED
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W
b) CAPACITANCE IS IN μF
 - PIN CONFIGURATION IS SHOWN IN DETAIL A.
 - DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE A

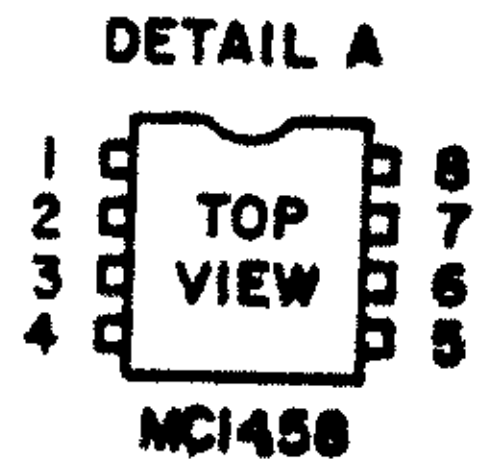
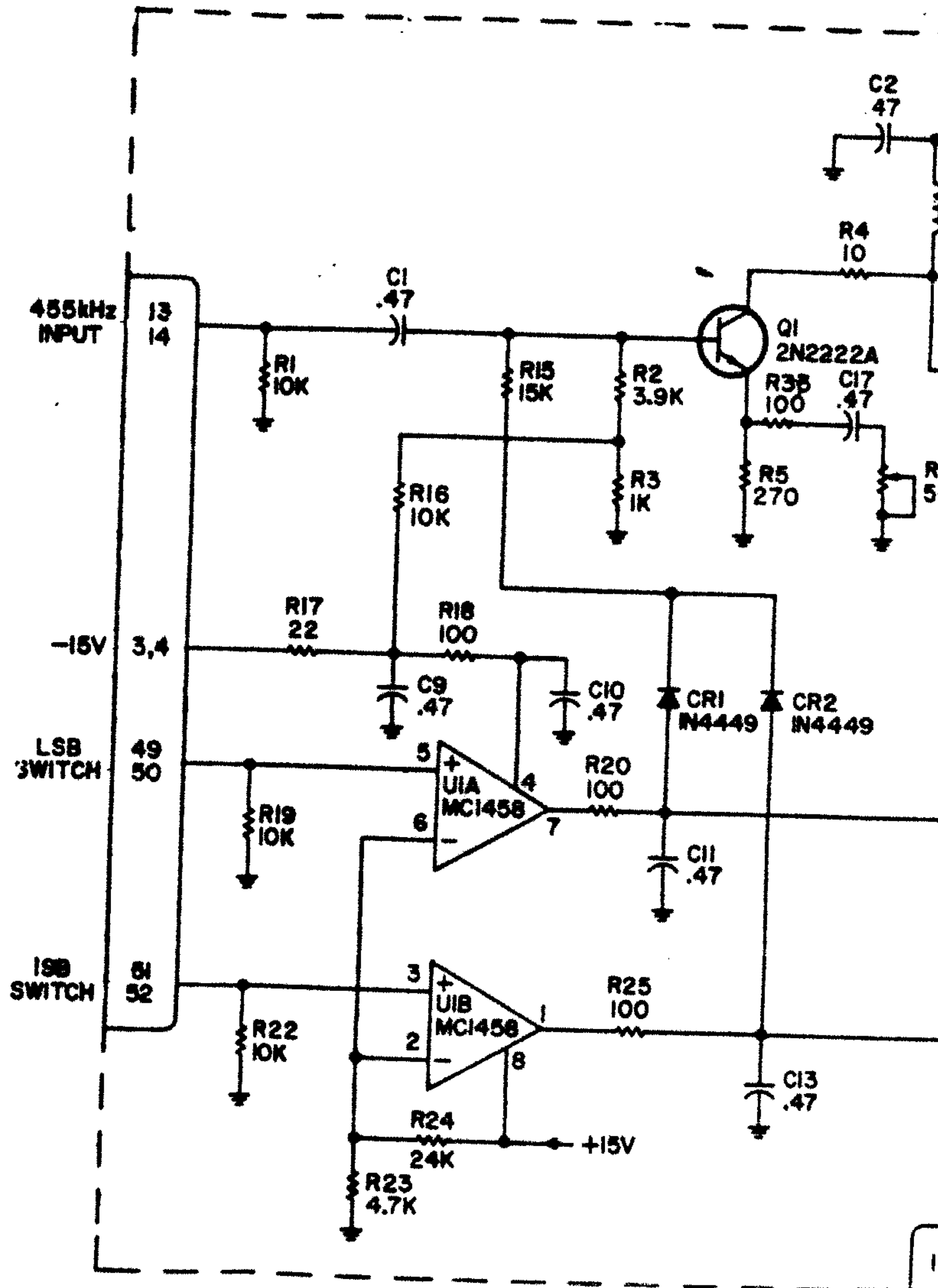


TABLE A

TYPE	FLI
791597-1	92121
791597-2	92193
791597-3 (MECH ONLY)	92121



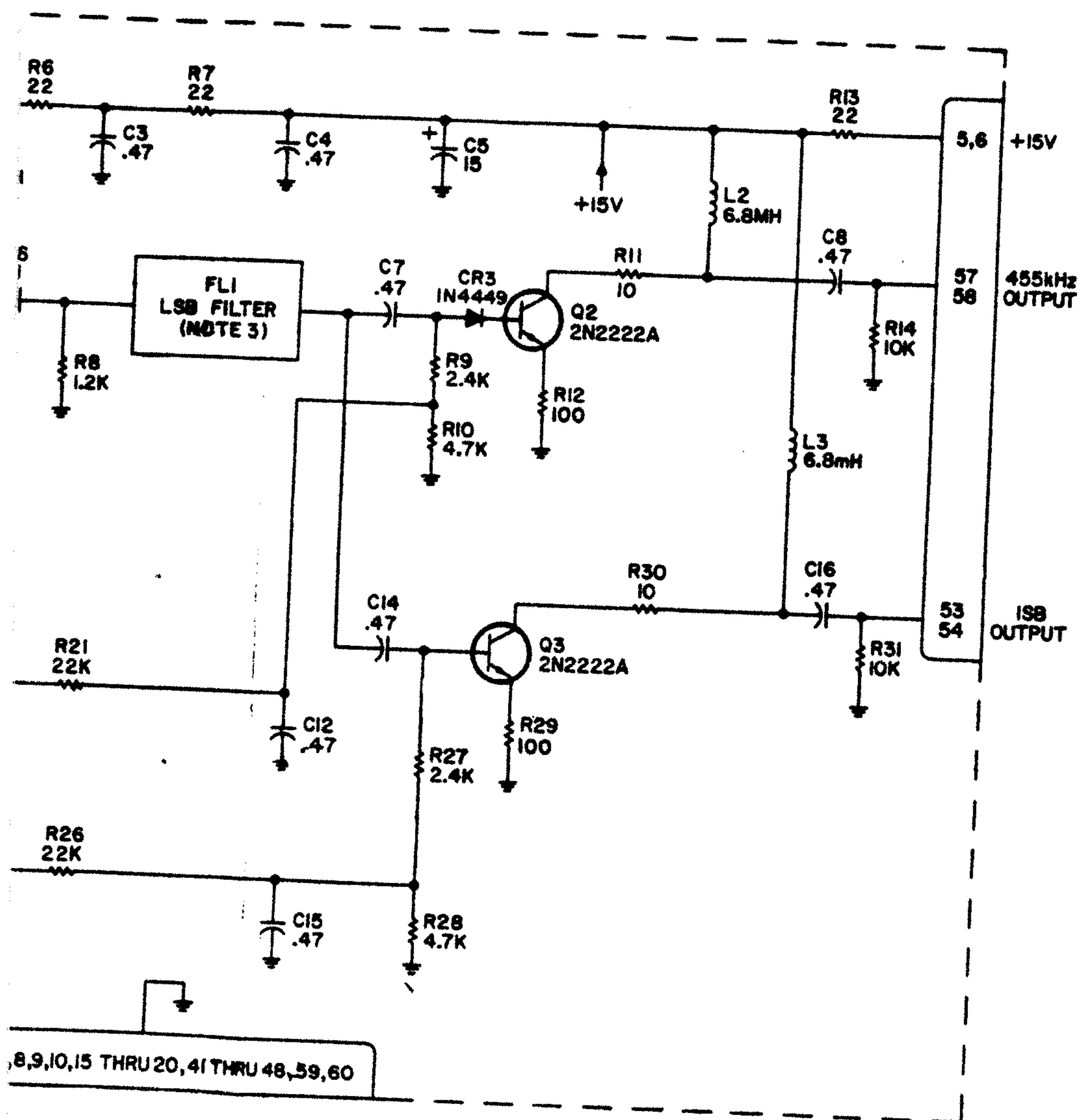
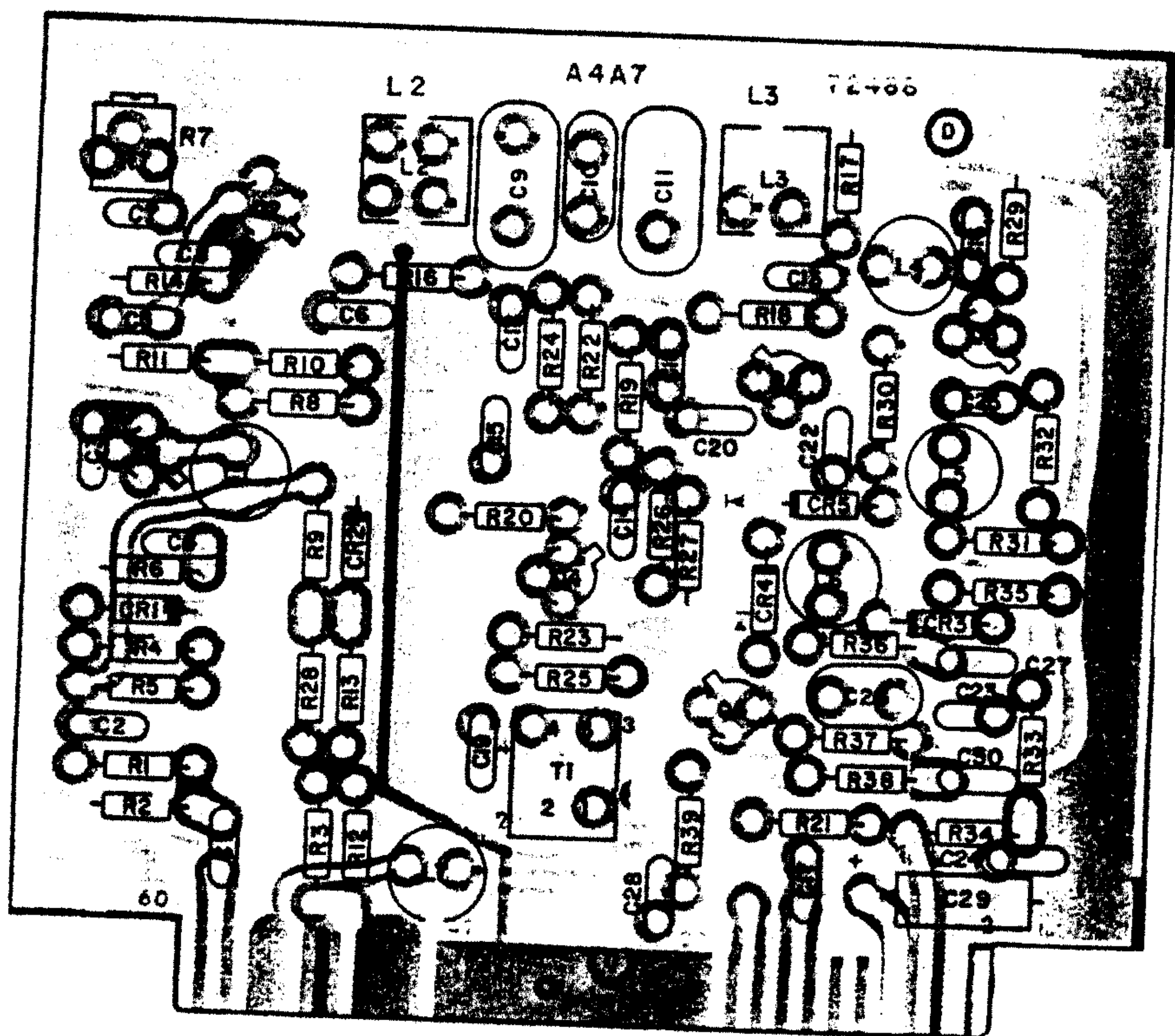
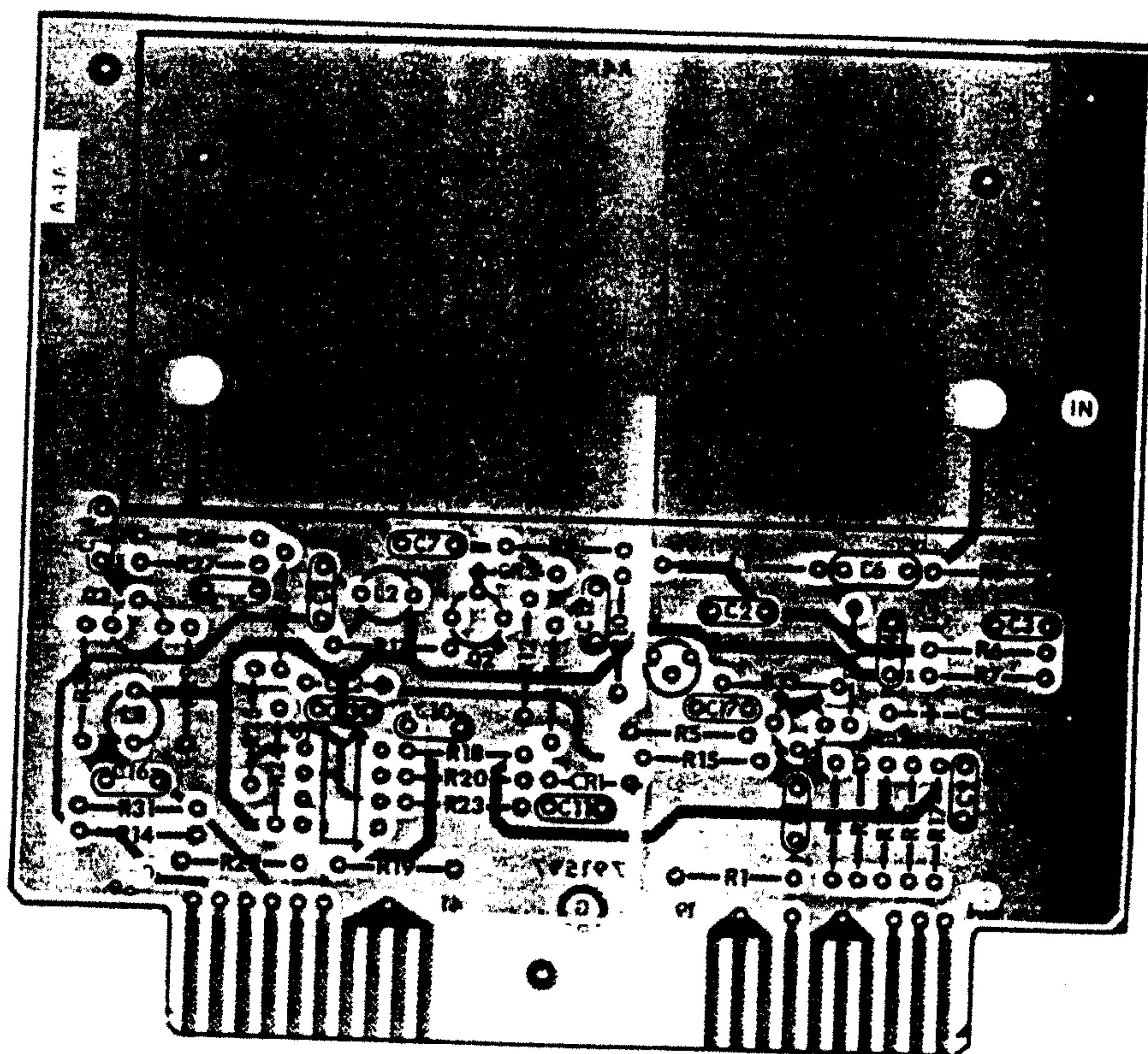


Figure 6-8.

Type 791597 ISB/LSB Filter Switch (A4A5)
Schematic Diagram 480105





NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
b) CAPACITANCE IS IN μF .
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. U1, U2 LEAD ARRANGEMENT - DETAIL A.
4. NOMINAL VALUE; FINAL VALUE FACTORY SELECTED.
5. LM348N MAY BE USED AS AN ALTERNATIVE FOR MC3403 (SHOULD A DIFFICULTY IN PROCURING MC3403 ARISE) AT U1 AND U2 IN THIS APPLICATION.
6. DIFFERENCE BETWEEN TYPES AS INDICATED IN TABLE A

DETAIL A

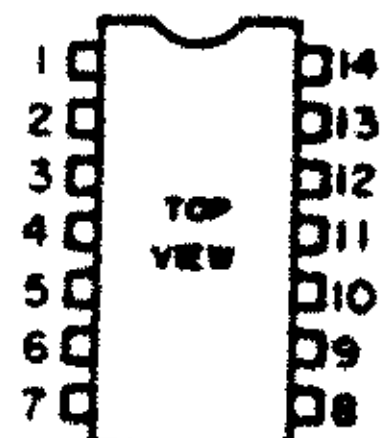
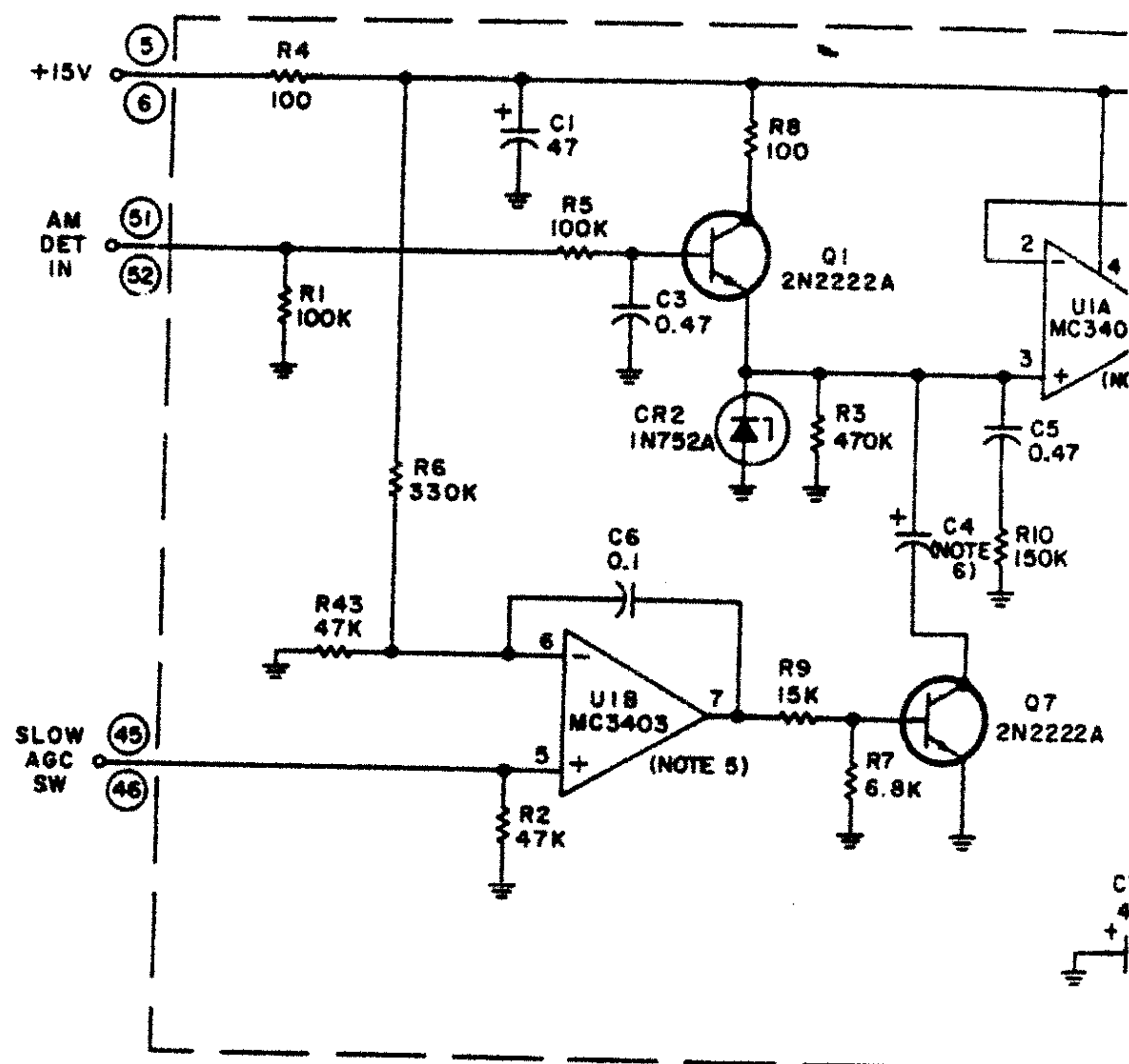


TABLE A

TYPE NO	C4	R18	R21	R32
78112-1	33 μF	270K	15K	390
78112-2	1.5 μF	270K	15K	390
78112-3	33 μF	330K	10K (VAR)	(NOTE 4)
78112-4 (MECH ONLY)	33 μF	270K	15K	390



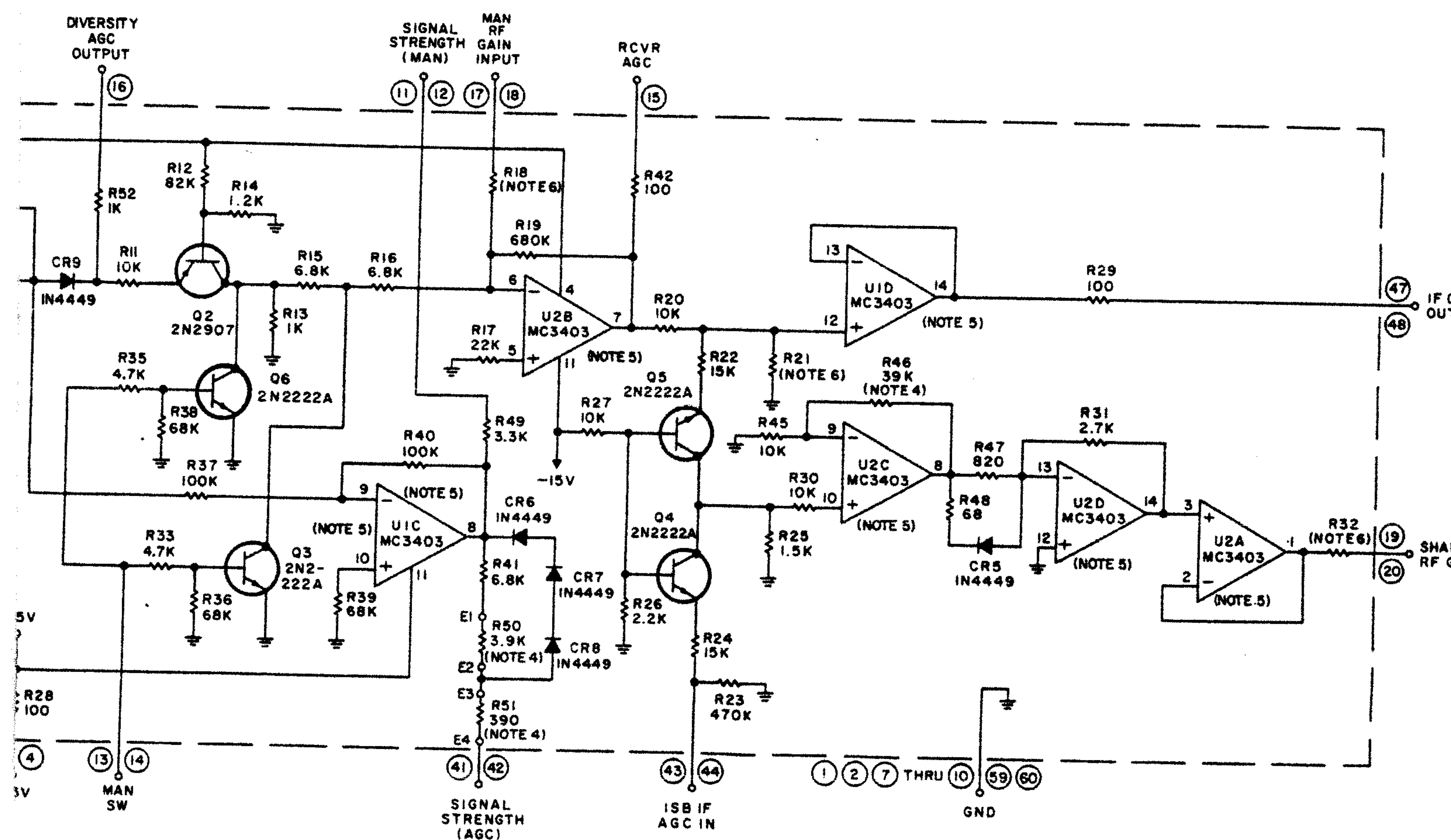
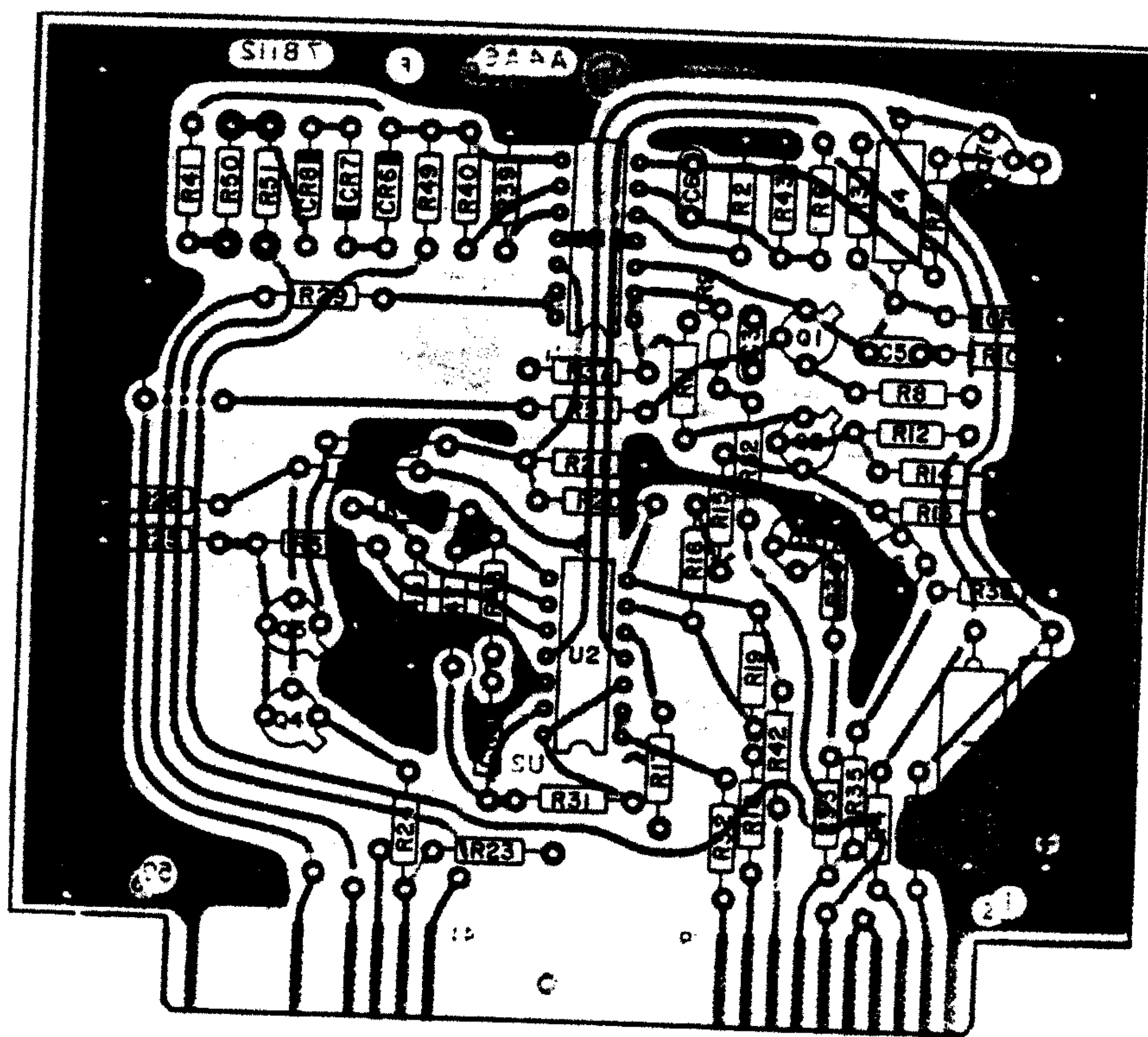


Figure 6-9.

Type 78112 AGC Amplifier (A4A6)
Schematic Diagram 43229



NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
b) CAPACITANCE IS IN μF .
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. U1, U2 LEAD ARRANGEMENT - DETAIL A.
4. NOMINAL VALUE; FINAL VALUE FACTORY SELECTED.
5. LM348N MAY BE USED AS AN ALTERNATIVE FOR MC3403 (SHOULD A DIFFICULTY IN PROCURING MC3403 ARISE) AT U1 AND U2 IN THIS APPLICATION.
6. DIFFERENCE BETWEEN TYPES AS INDICATED IN TABLE A

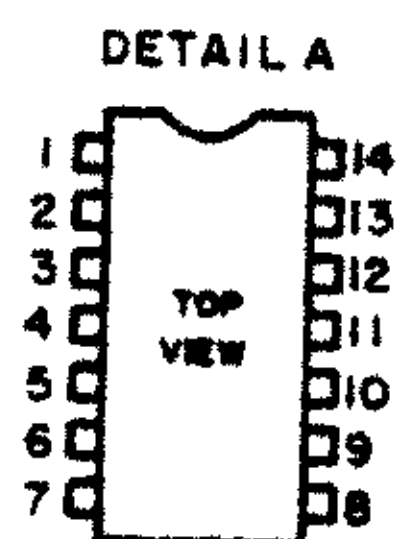
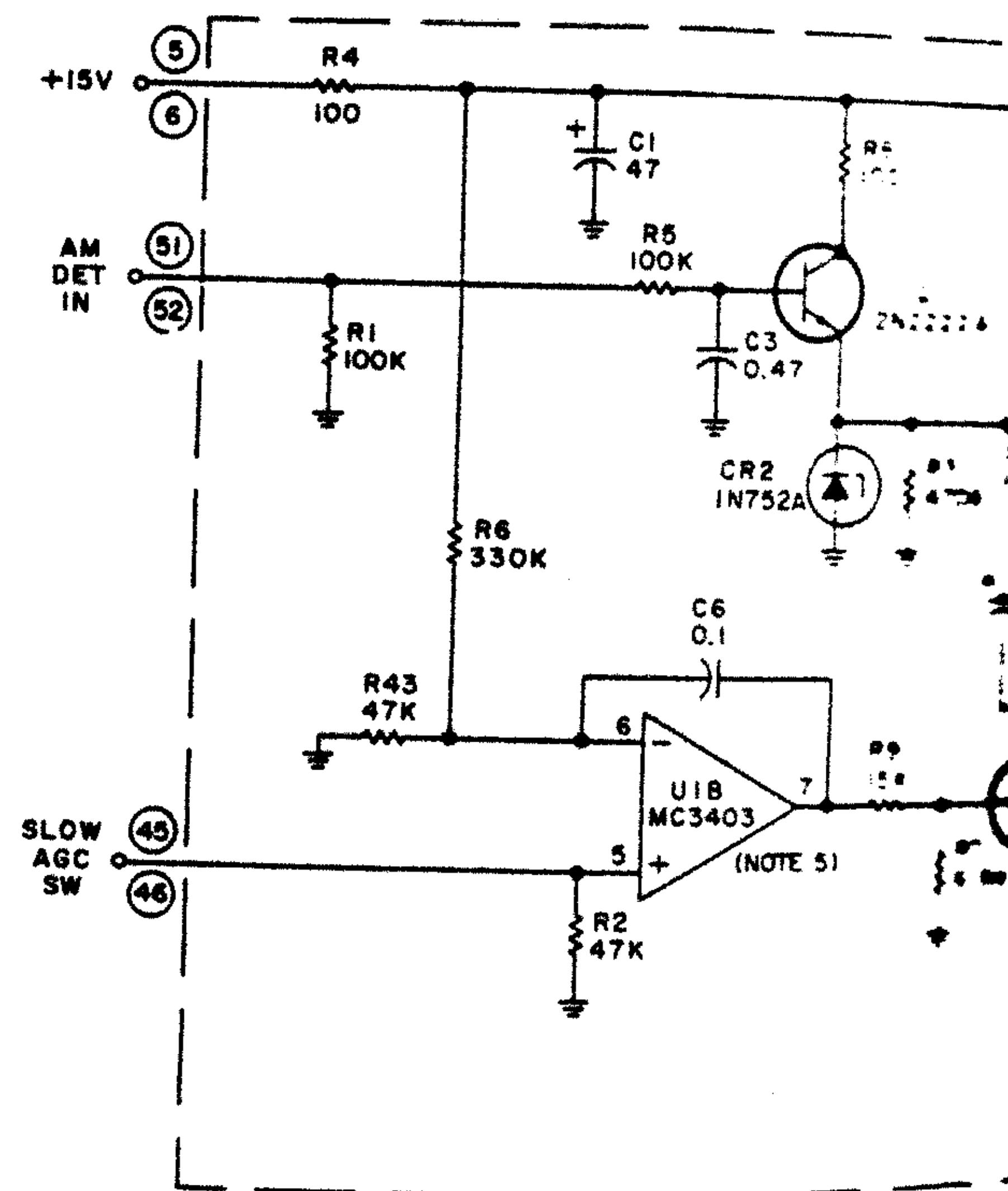


TABLE A

TYPE NO	C4	R18	R21	R32
78112-1	33 μF	270K	15K	390
78112-2	1.5 μF	270K	15K	390
78112-3	33 μF	330K	10K(VAR)	(NOTE 4)
78112-4 (MECH ONLY)	33 μF	270K	15K	390

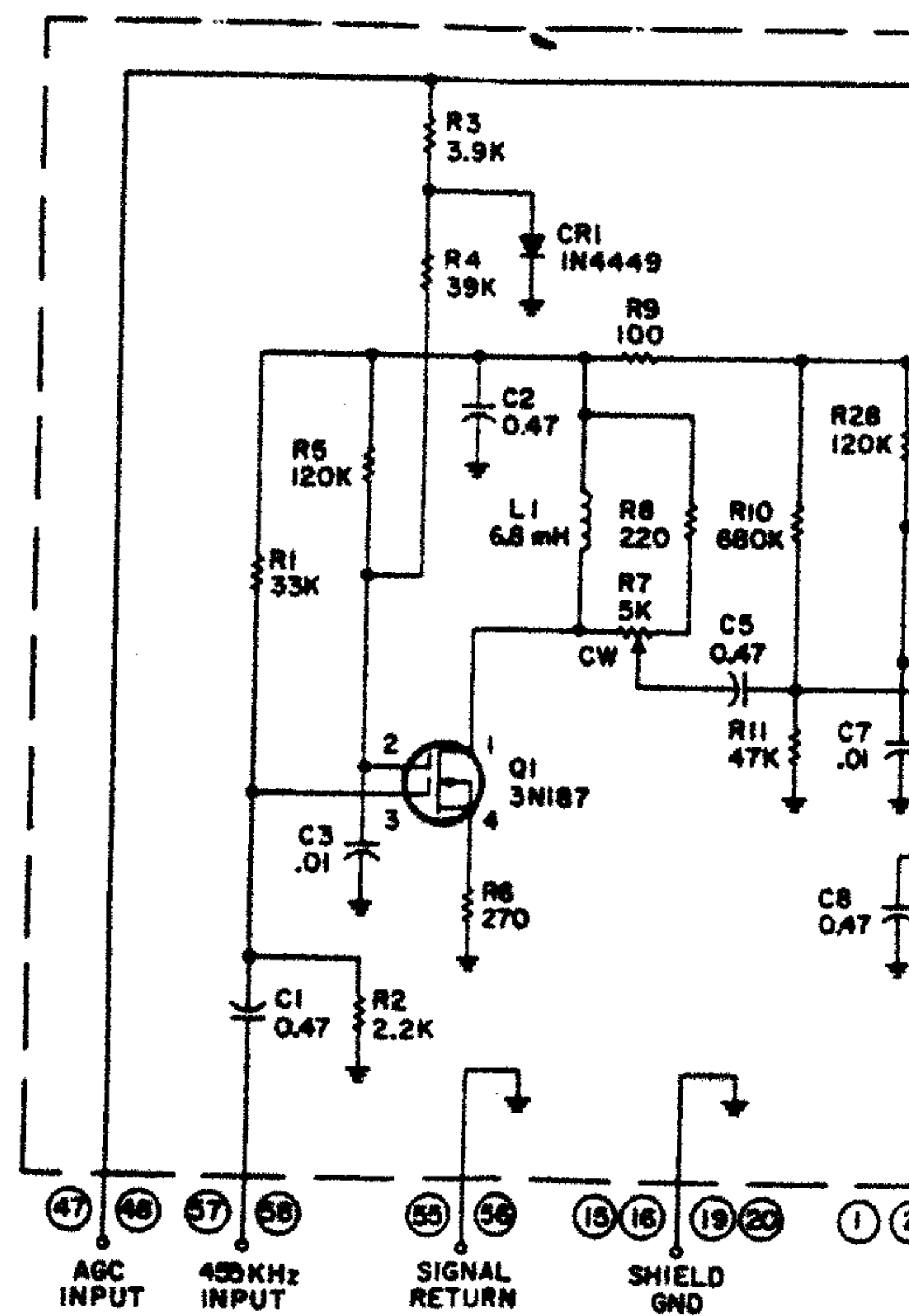


NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4 W.
b) CAPACITANCE IS μF .
2. ENCIRCLED NUMBERS (LETTERS) ARE MODULE PIN NUMBERS.
3. CW ON R7 INDICATES FULL CLOCKWISE POSITION OF ACTUATOR.
4. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE A.

TABLE A

TYPE NO	C9	C10	C11	C26	L2	L3	L7	USED ON
72488-1	3300pF	180pF	3300pF	180pF	39pH	39pH	6.8mH	WJ-6718
72488-2	910pF	110pF	90pF	180pF	120mH	120mH	4.7mH	WJ-6718
72488-3 (MECHANICAL)	3300pF	180pF	3300pF	180pF	39pH	39pH	6.8mH	AN/URN-74(V)



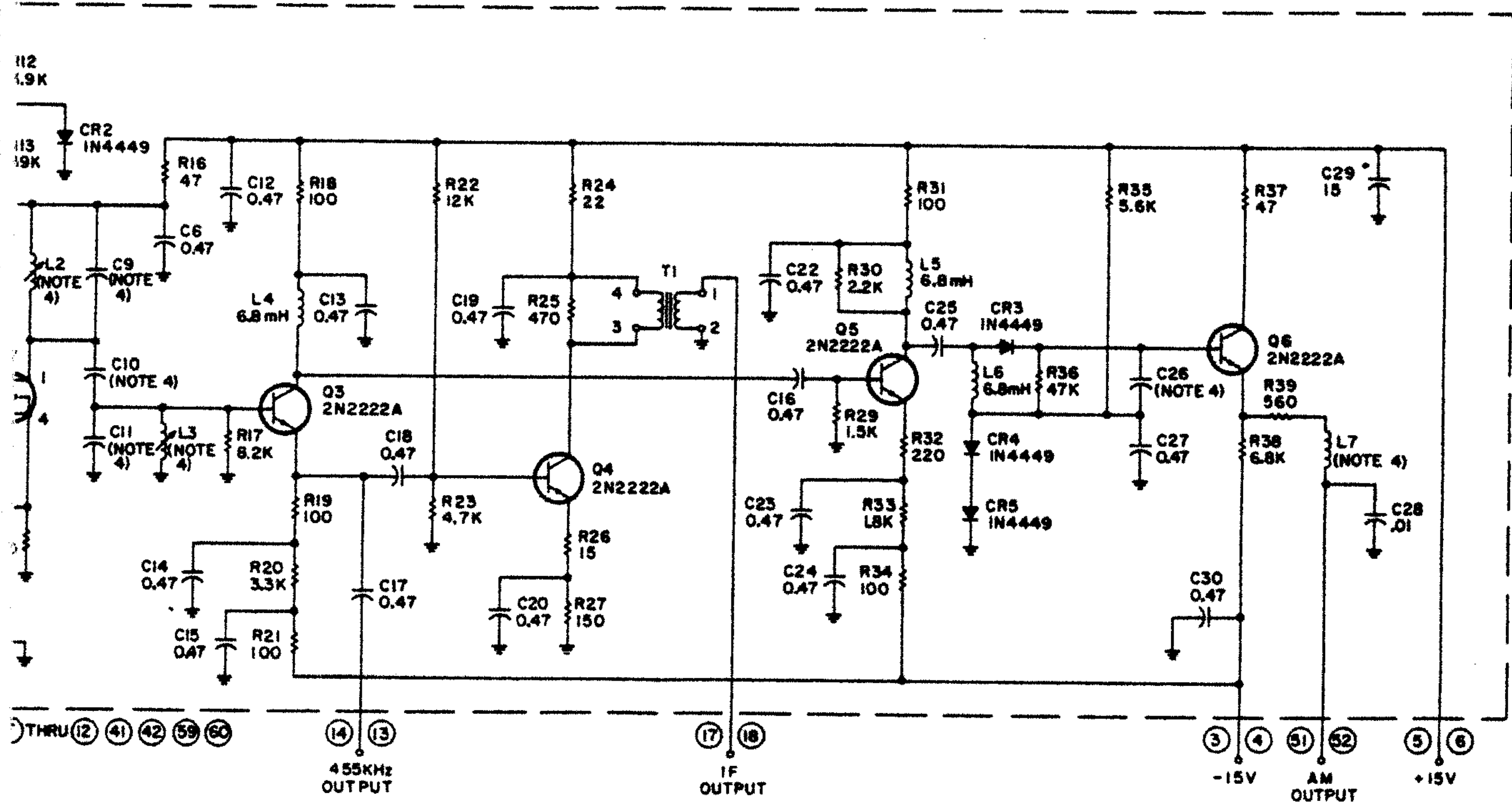
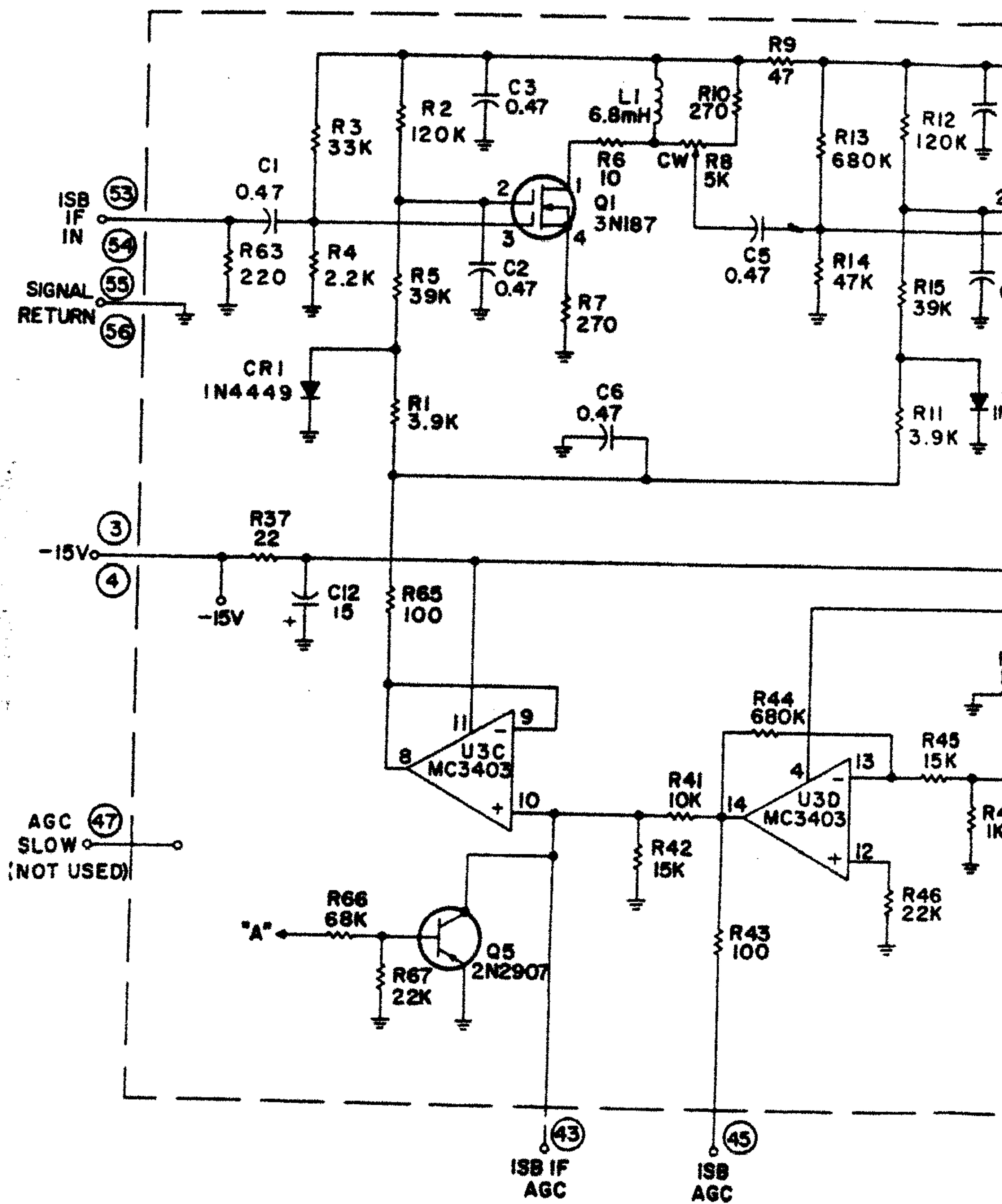
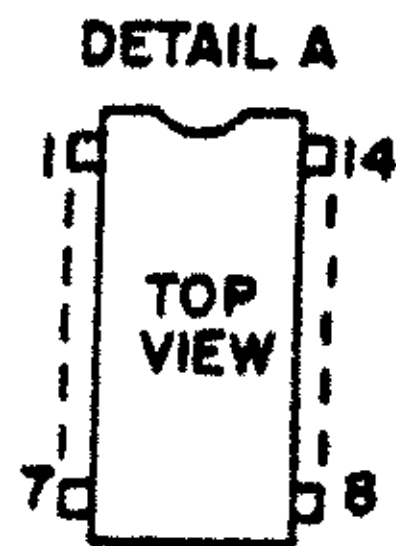


Figure 6-10.

Type 72488 455 kHz Amplifier/AM Detector (A4A7)
Schematic Diagram 51168

NOTES

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
b) CAPACITANCE IS IN μF
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. U1, U2, U3 LEAD ARRANGEMENT-DETAIL A
4. NOMINAL VALUE, FINAL VALUE FACTORY SELECTED.
5. DIFFERENCE BETWEEN TYPES IS MECHANICAL ONLY.



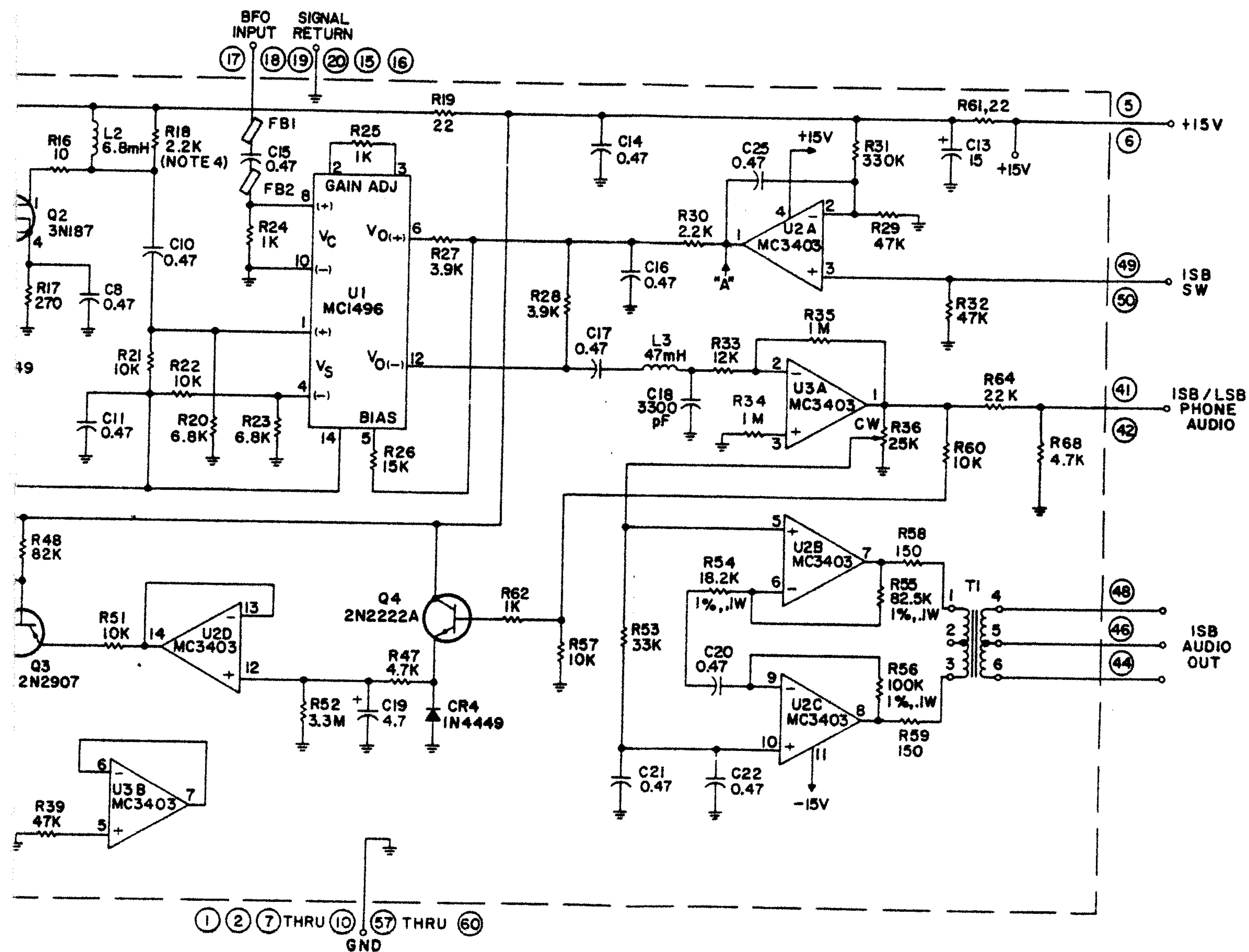


Figure 6-11.

Type 791598 ISB Detector/Audio (A4A8)
Schematic Diagram 43231

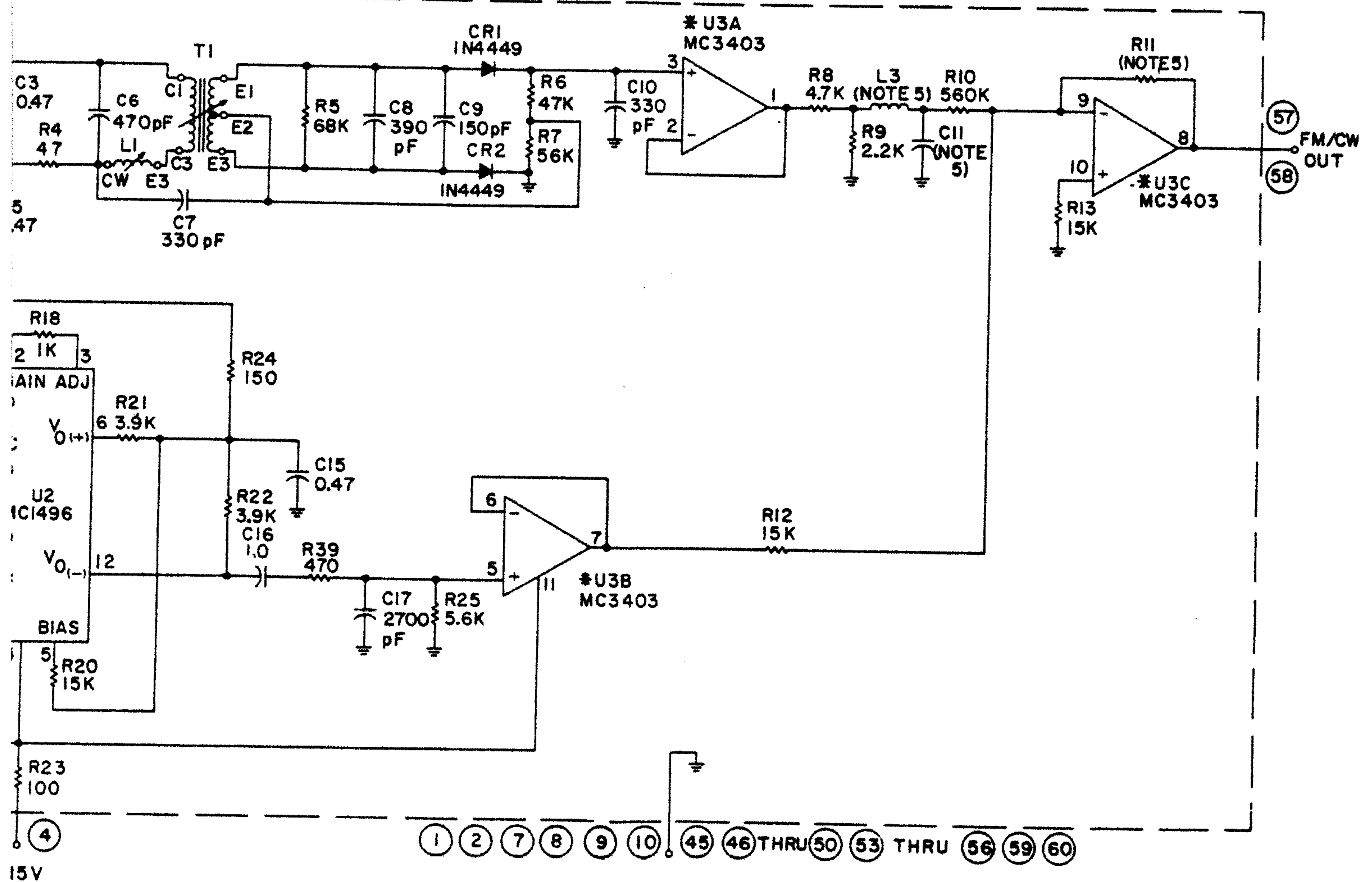
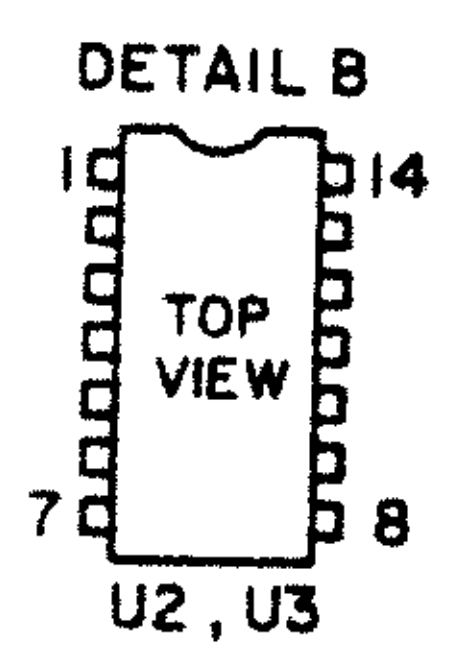


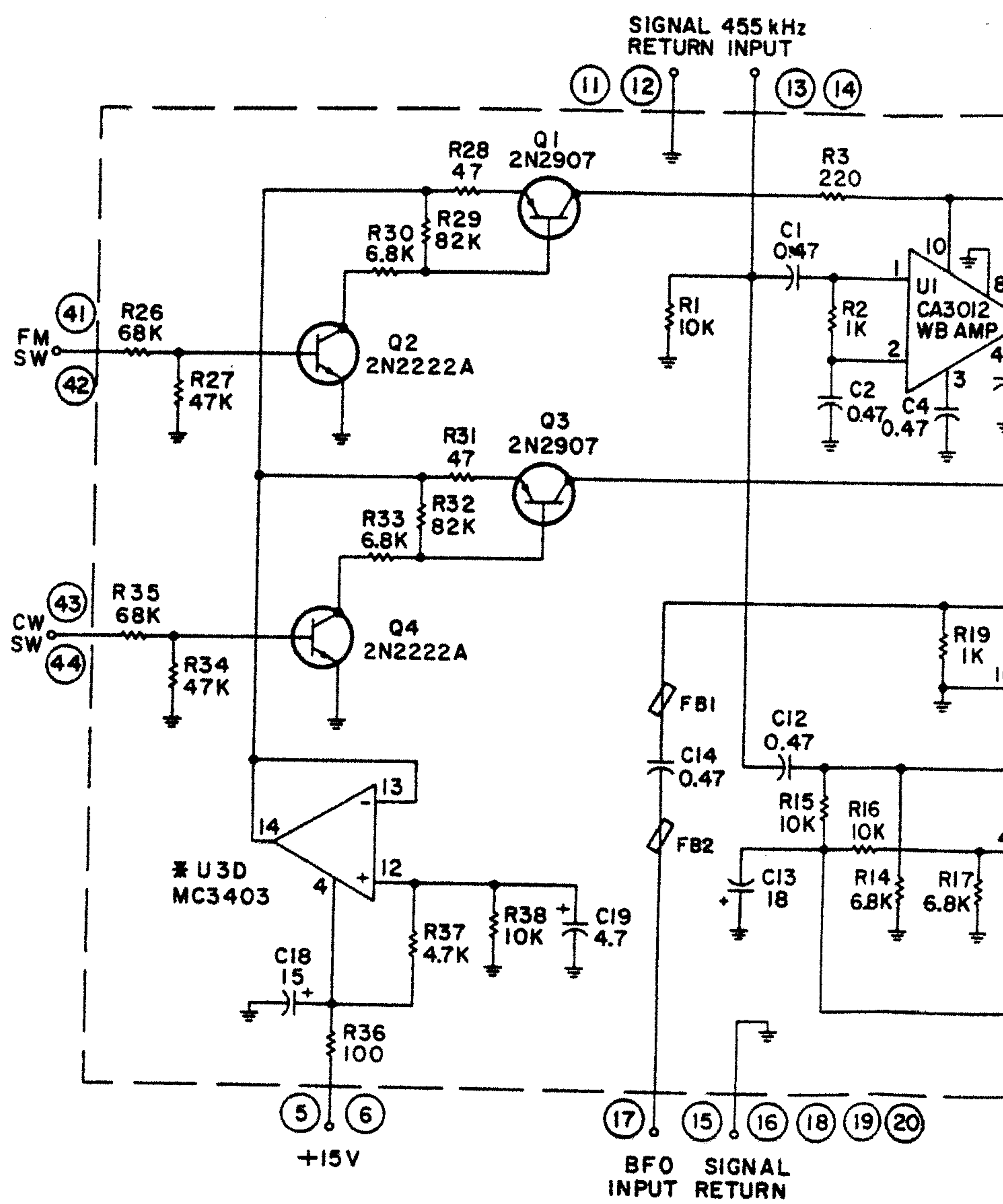
Figure 6-12.

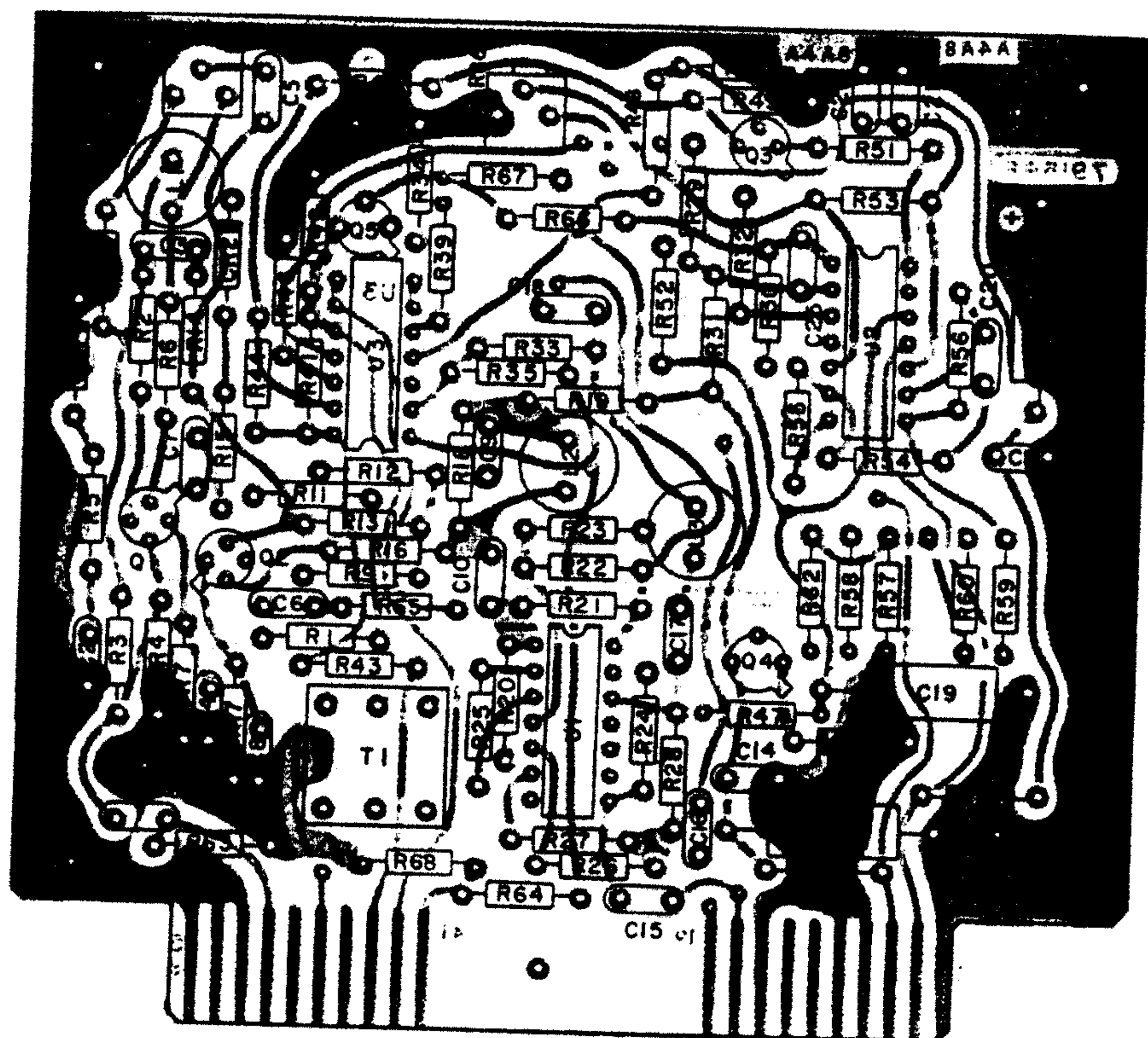
Type 791599 FM, CW & SSB Detector (A4A9)
Schematic Diagram 43198

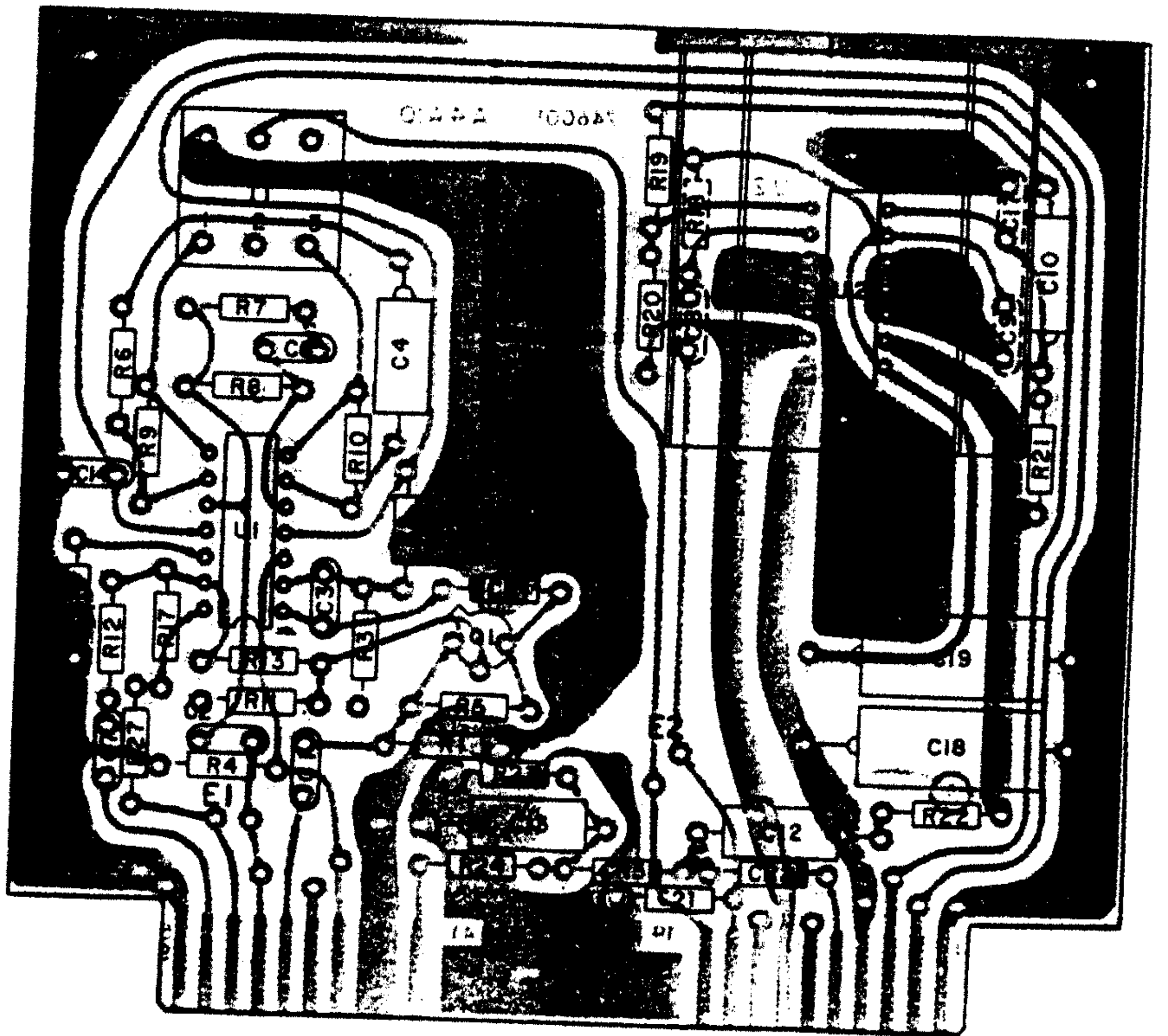
D
 1/4W.
 DULE PINS.
 DETAIL A, B
 ENT EXISTS
 348N MAY
 HIS APPLICATION.
 S INDICATED IN TABLE A.



R11
470K
390K
470K







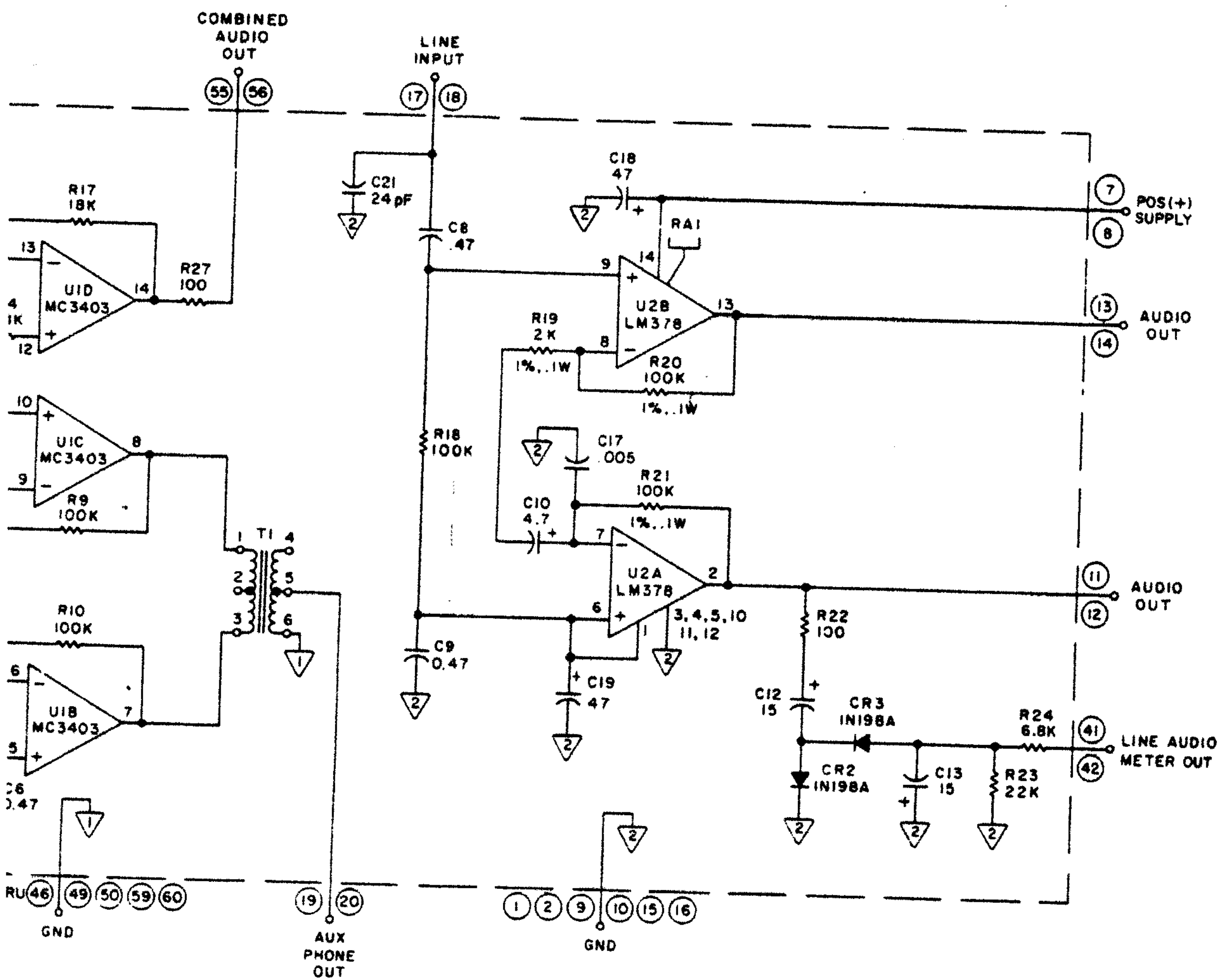
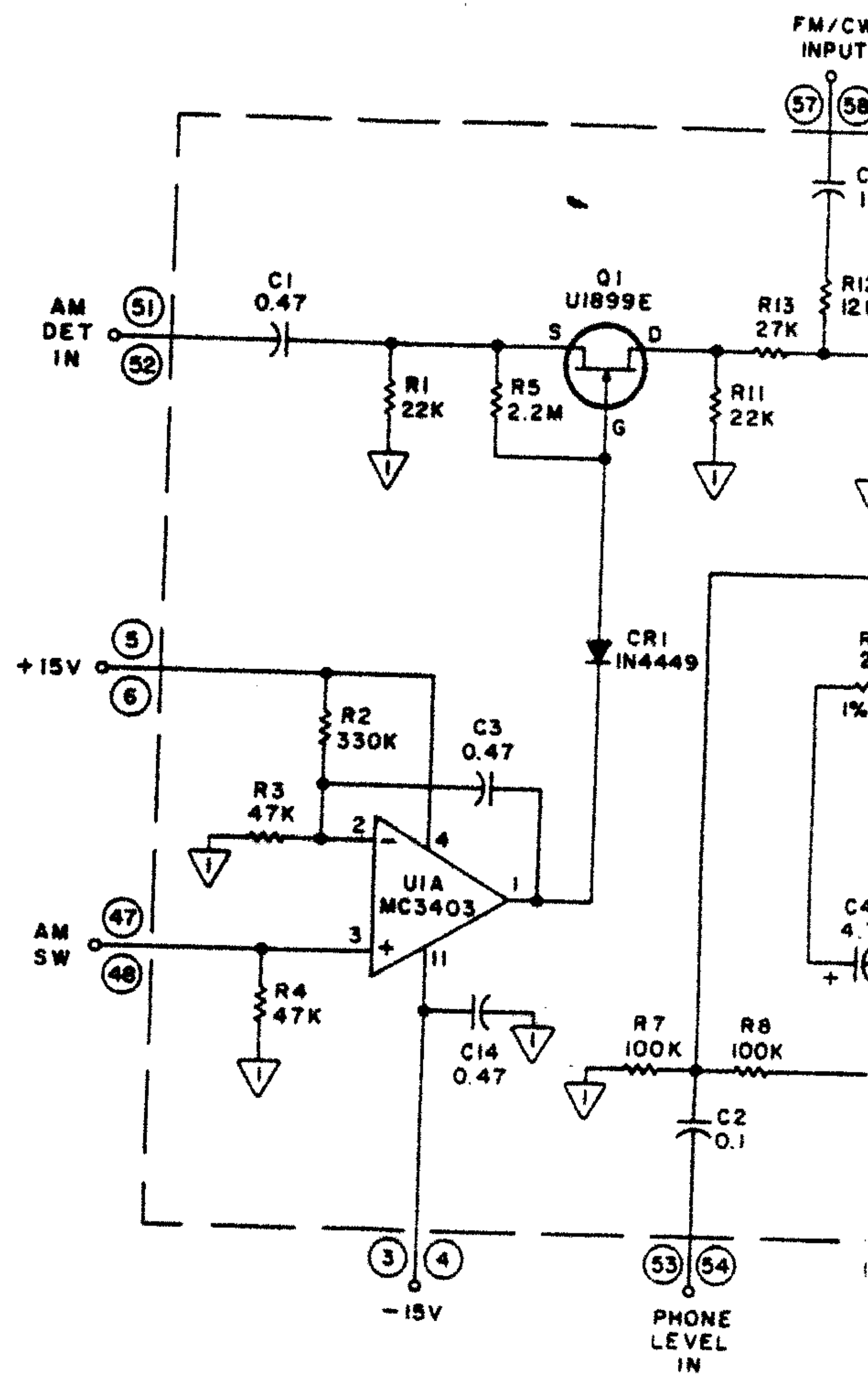
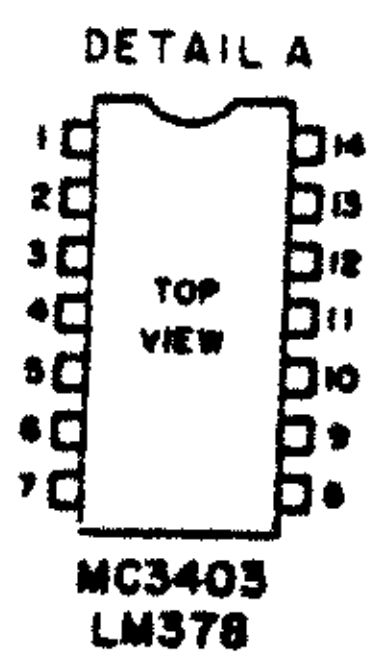


Figure 6-13.

Type 746001 Audio Amplifier (A4A10)
Schematic Diagram 480089

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4 W.
b) CAPACITANCE IS IN μF .
2. ENCIRCLED NUMBERS ARE MODULE PINS.
3. U1, U2 LEAD ARRANGEMENT - DETAIL A.
4. DIFFERENCE BETWEEN TYPES IS MECHANICAL ONLY.



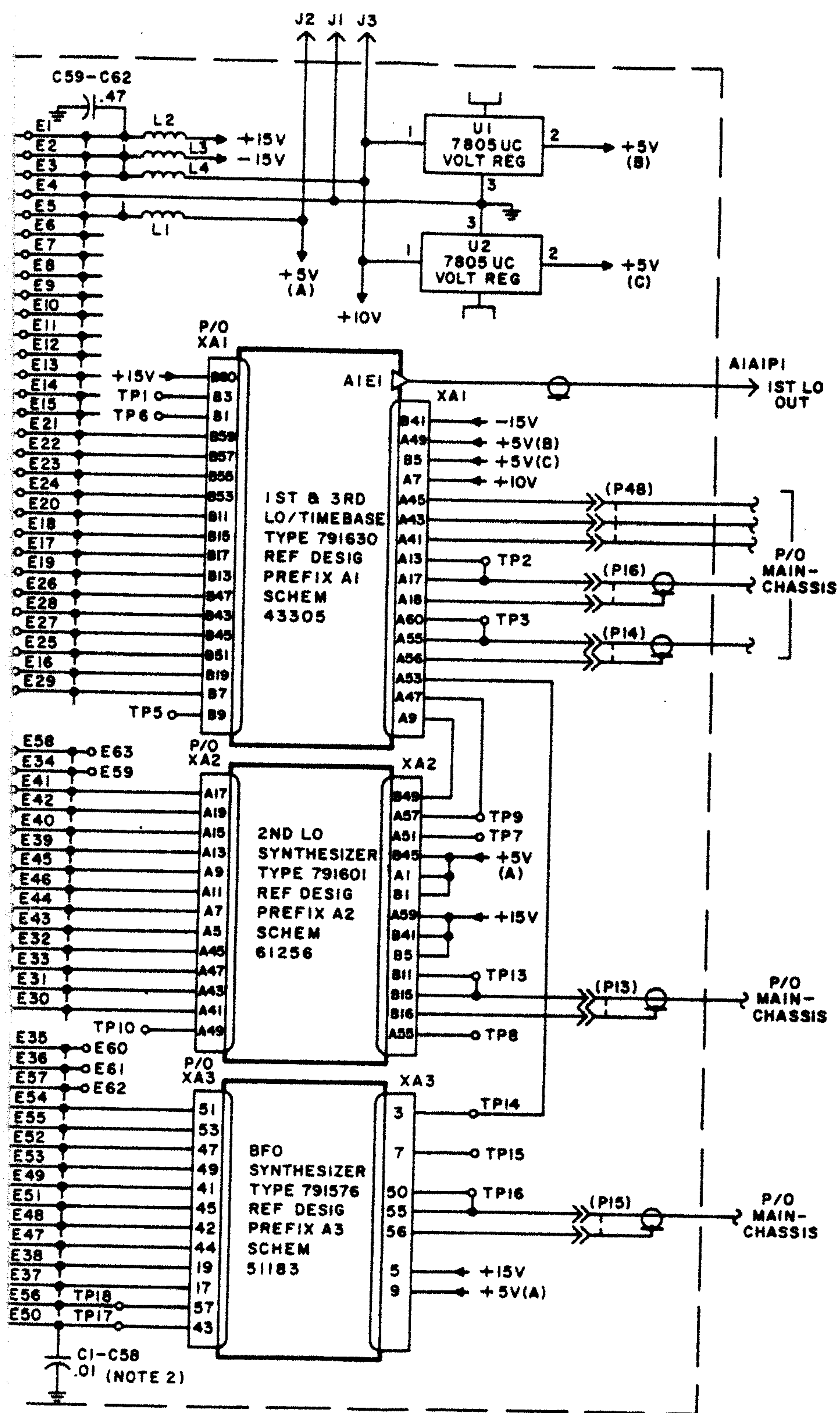
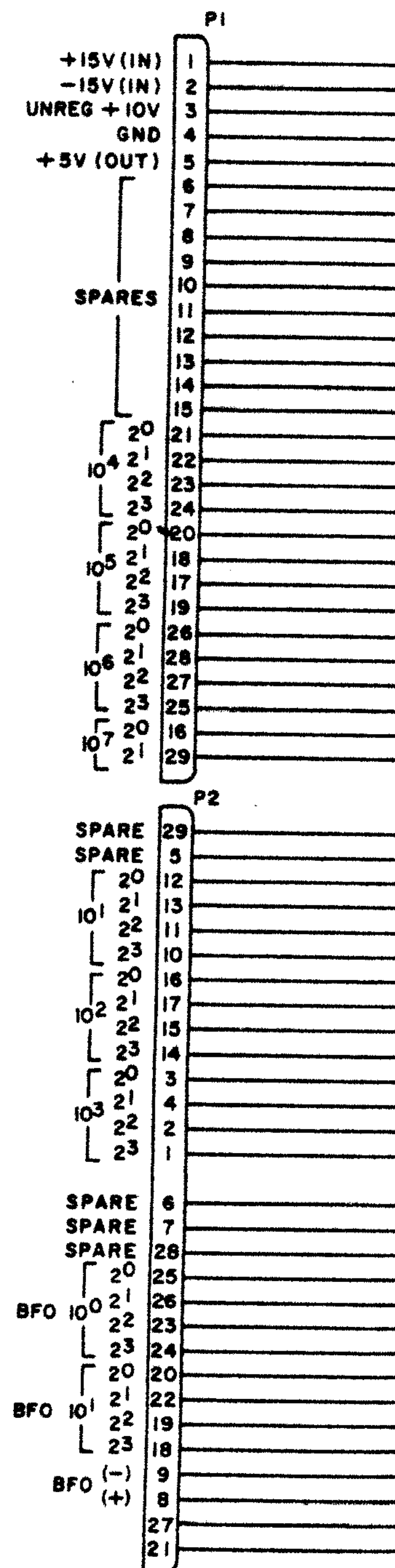


Figure 6-14.

Type 791570 Synthesizer Motherboard (A5)
Schematic Diagram 470518

NOTES:

1. MOST TEST POINTS ARE NOT SHOWN DUE TO UNNECESSARY LINE DUPLICATIONS. GROUND PINS ON SOME MODULES ARE NOT SHOWN BECAUSE OF COMPLEXITY (SEE EACH MODULE'S DWG FOR CLARITY).
2. EACH CAPACITOR REFERENCE NO. IS IDENTICAL TO EACH "E" NO.
3. TEST POINT DESCRIPTIONS:
 - TP1 N/U
 - TP2 1MHz REF OUT
 - TP3 3RD LO OUT
 - TP4 N/U
 - TP5 1ST LO UNLOCK
 - TP6 1ST LO TUNING VOLTS
 - TP7 2ND LO MAIN LOOP TUNING VOLTS
 - TP8 2ND LO 32.2 MHz TUNING VOLTS
 - TP9 10kHz
 - TP10 2ND LO UNLOCK
 - TP11 N/U
 - TP12 2ND LO 32MHz TUNING VOLTS
 - TP13 2ND LO OUT
 - TP14 1kHz
 - TP15 BFO TUNING VOLTS
 - TP16 BFO OUT
 - TP17 FIXED BFO
 - TP18 BFO INHIBIT



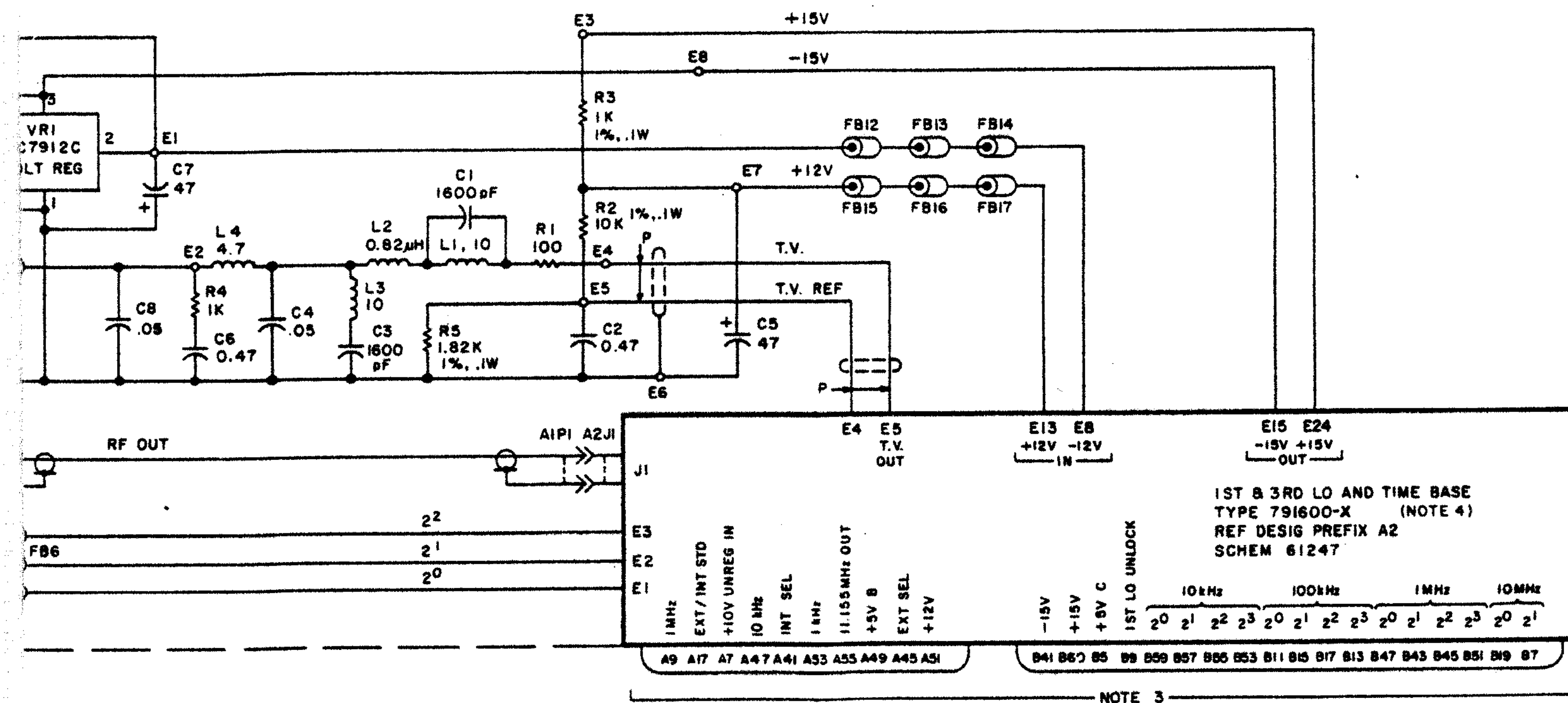


Figure 6-15.

Type 791630-1 1st & 3rd LO Synthesizer/Timebase (A5A1)
Schematic Diagram 470518

NOTES:

- UNLESS OTHERWISE SPECIFIED
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4 W
b) CAPACITANCE IS IN μF
c) INDUCTANCE IS IN mH
- LEAD ARRANGEMENT FOR VRI IS SHOWN IN DETAIL A.
- LETTERS (NUMBERS) ARE MODULE (A2) PINS. GND PINS FOR GND₁, GND₂, GND₃, ARE LISTED IN TABLE A
- DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE B.

DETAIL A

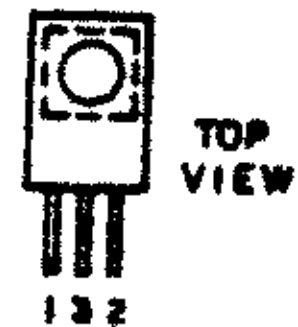
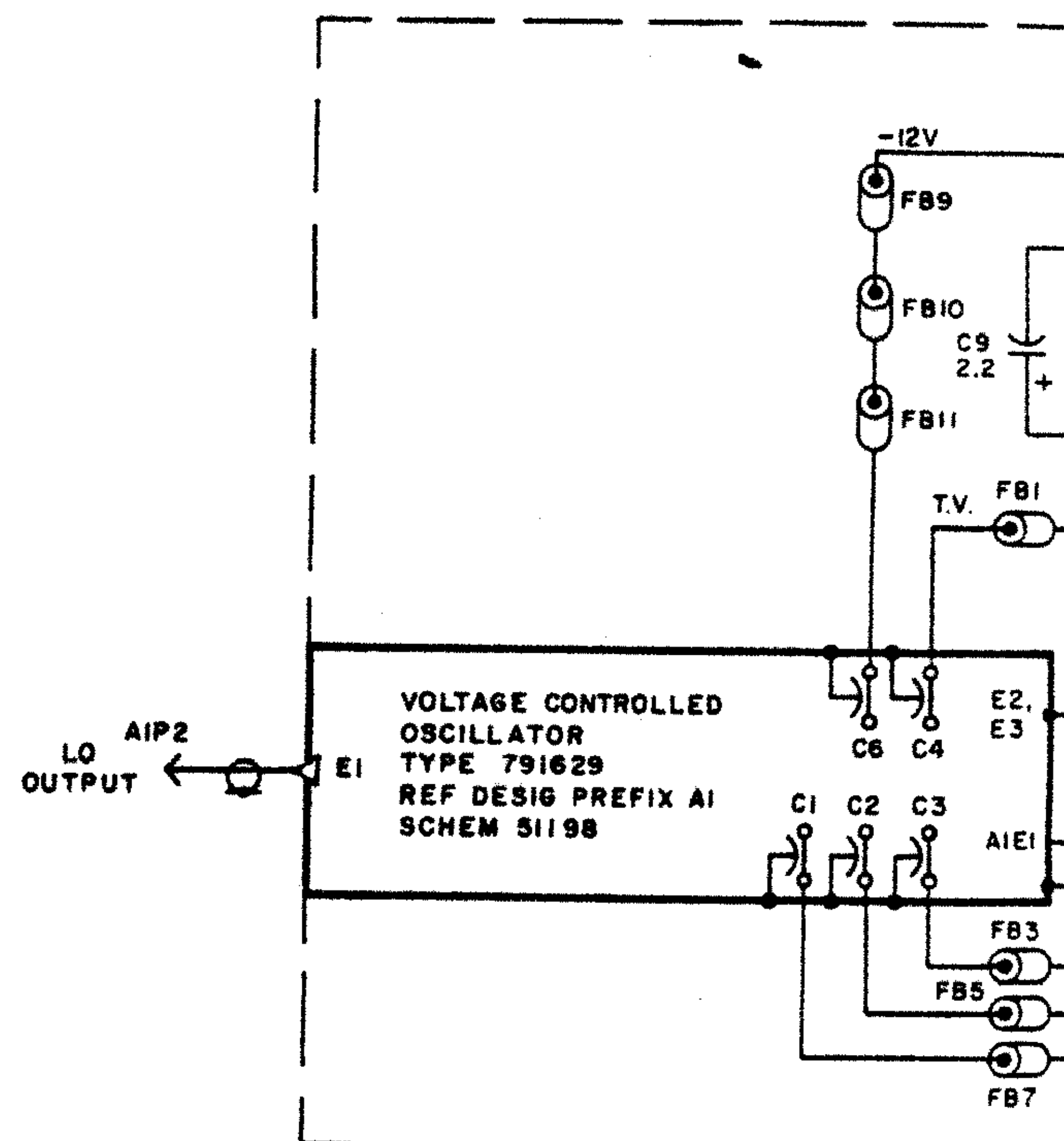


TABLE A

GND	MODULE PIN
GND ₁	A48, 50, 52, 54, 56, 58, 60
GND ₂	A2, 4, 6, 8, 10, 14, 16, 18, 20, 42, 44, 46
GND ₃	B2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 42, 44, 46, 48, 50, 52, 54, 56, 58

TABLE B

TYPE	A2
791630-1	791600-1
791630-2	791600-2
791630-3	791600-3
791630-4 (MECH ONLY)	791600-4 (MECH ONLY)



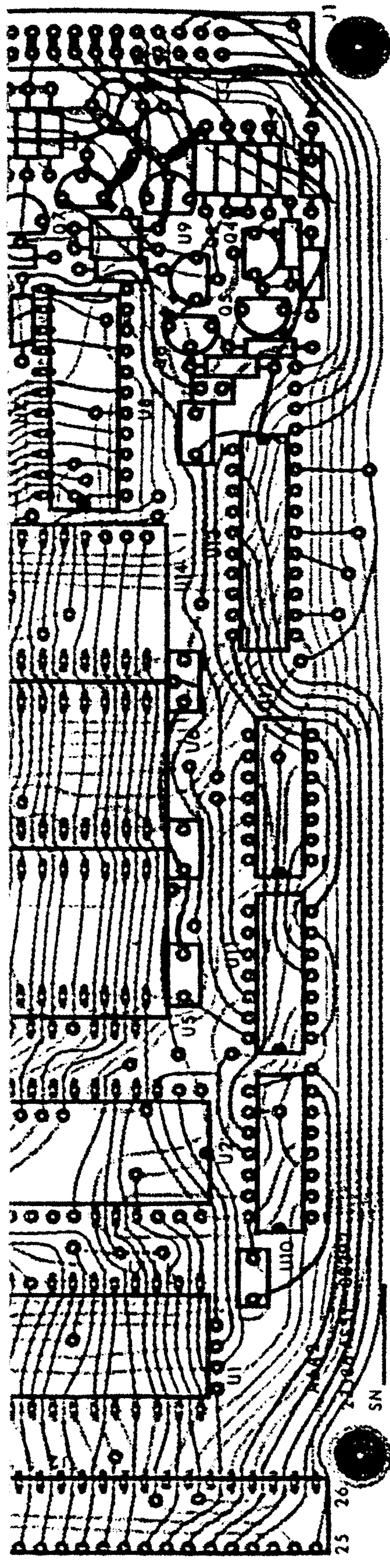
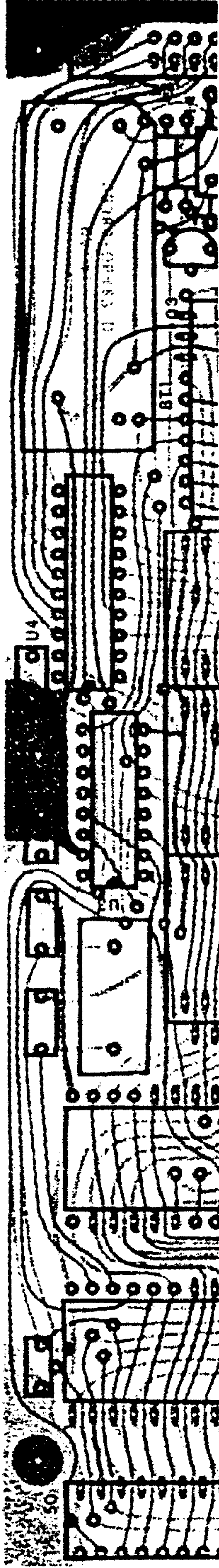
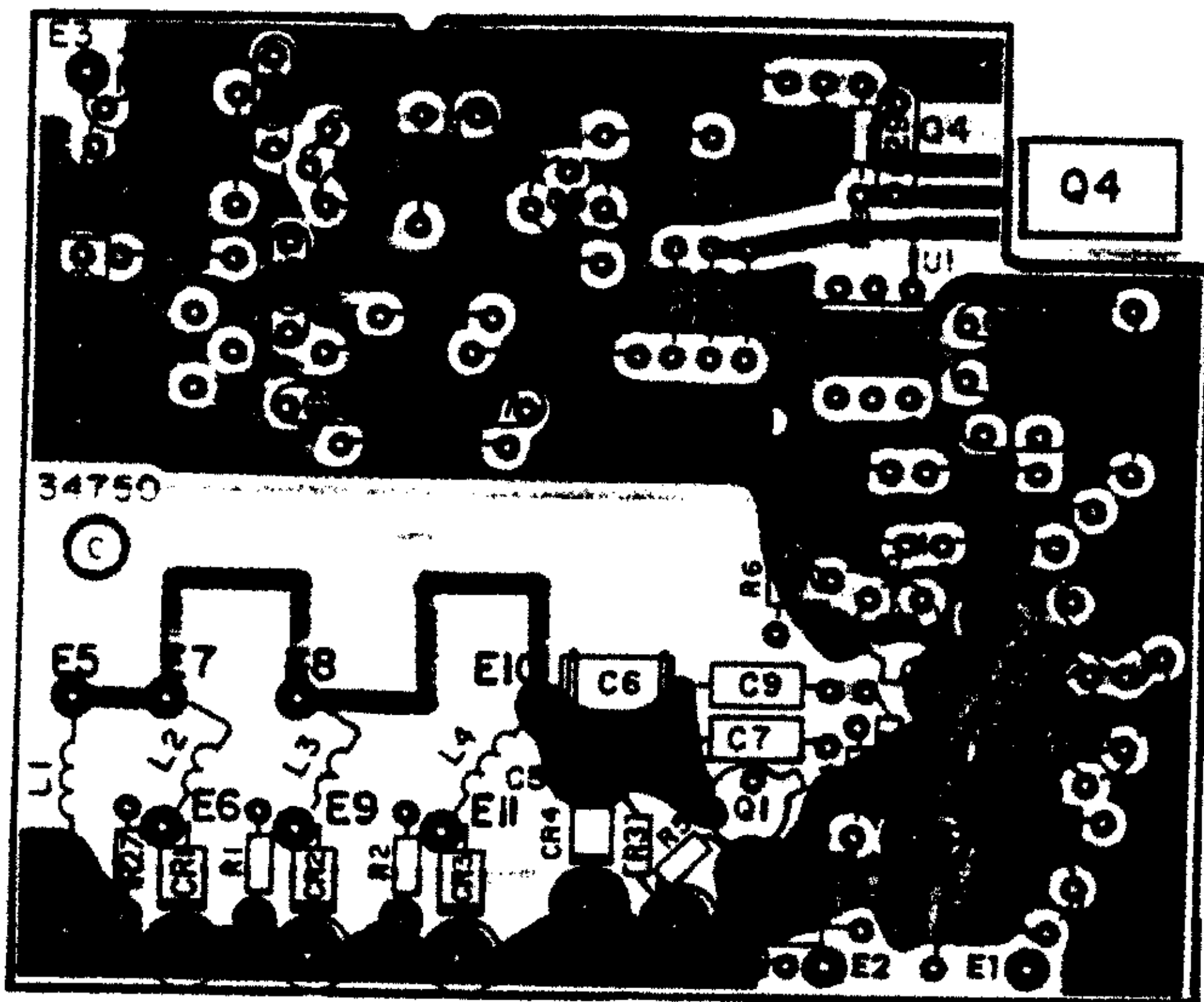


Figure 6-11B. Microcomputer A6A2 Printed Circuit

T.O. 31R2-2URR.





NOTES:
 1. UNLESS OTHERWISE SPECIFIED
 a) RESISTANCE IS IN OHMS
 b) CAPACITANCE IS IN PICO FARADS
 2. NOMINAL VALUE; FINAL VALUE

M
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 TO

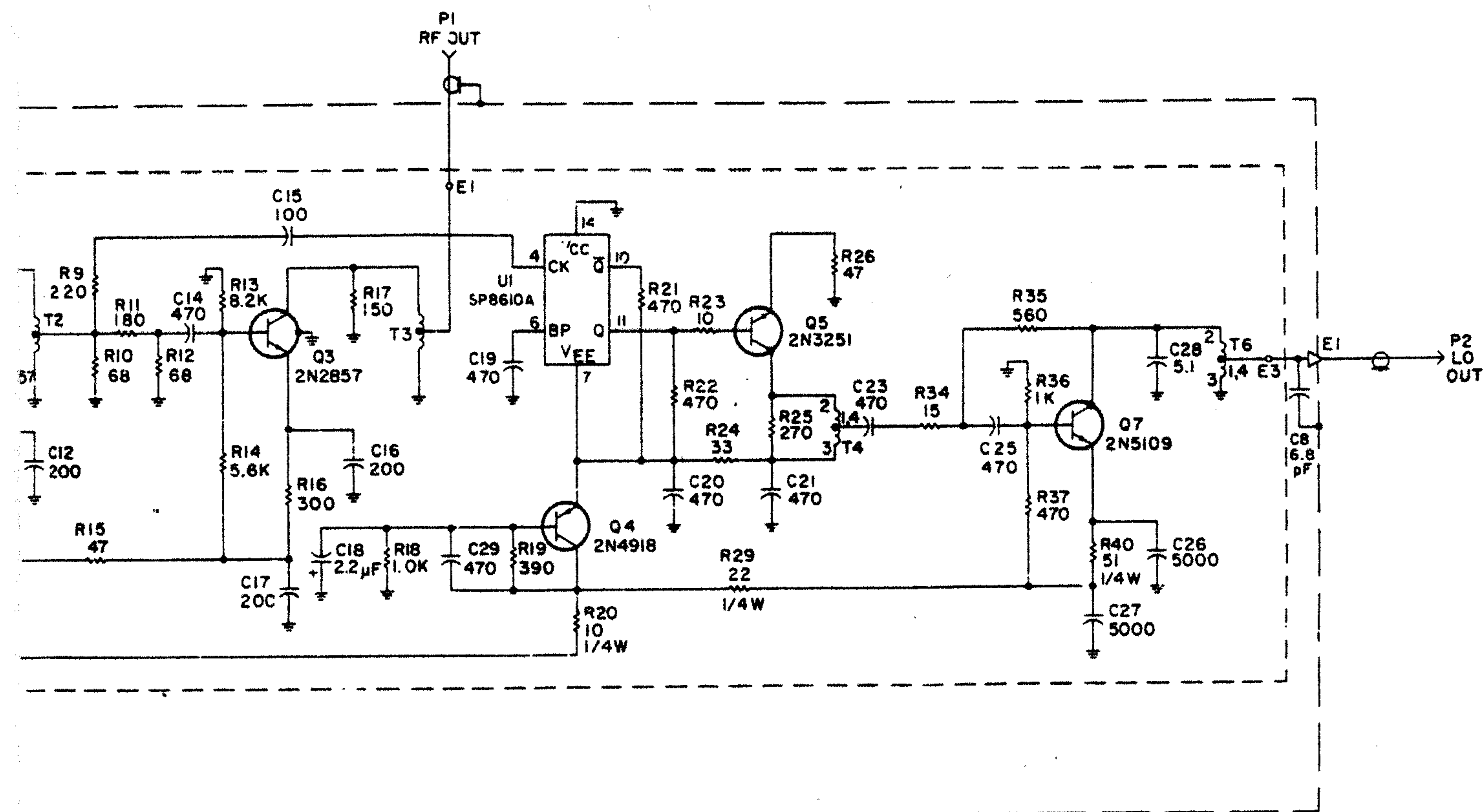
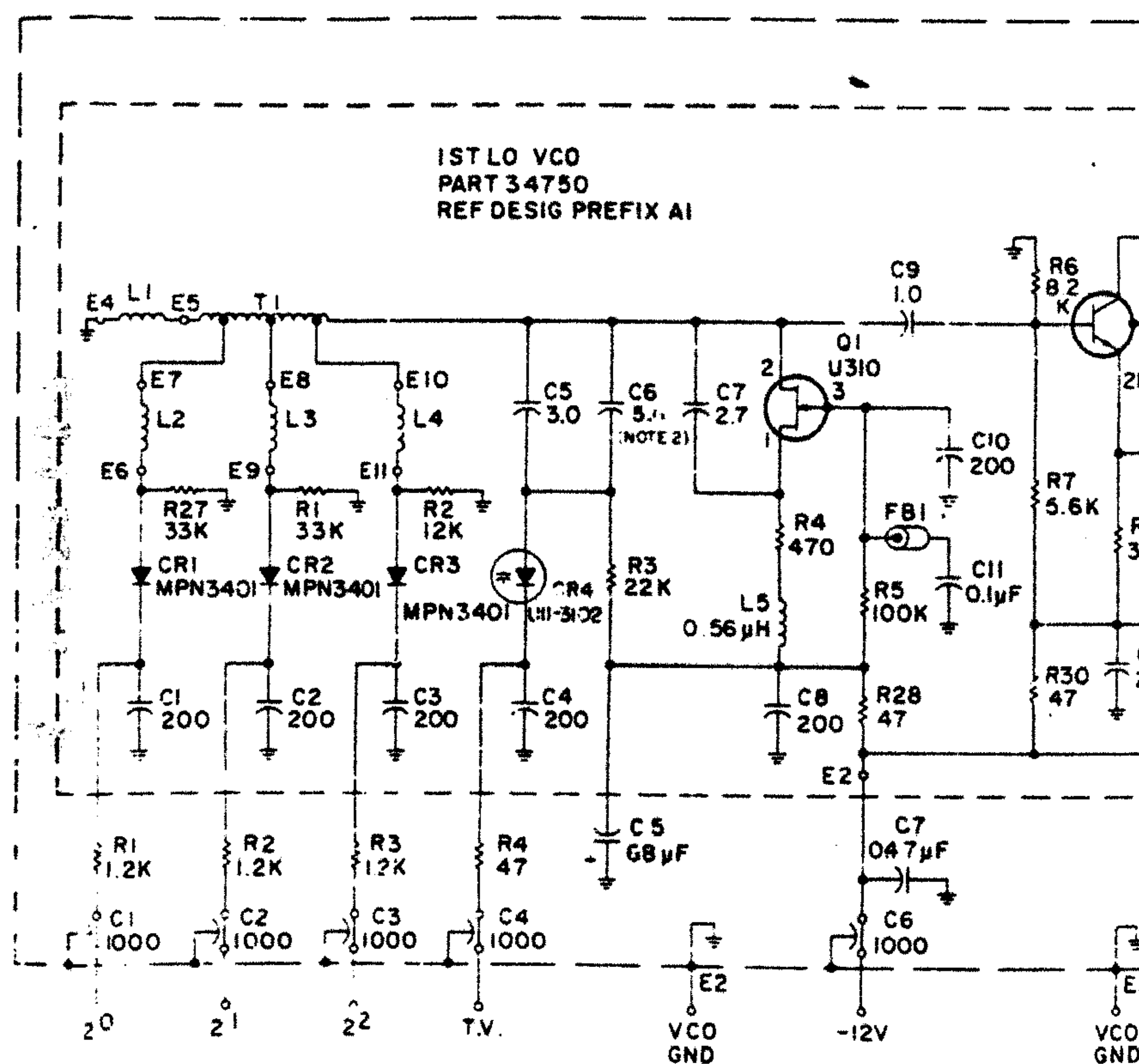


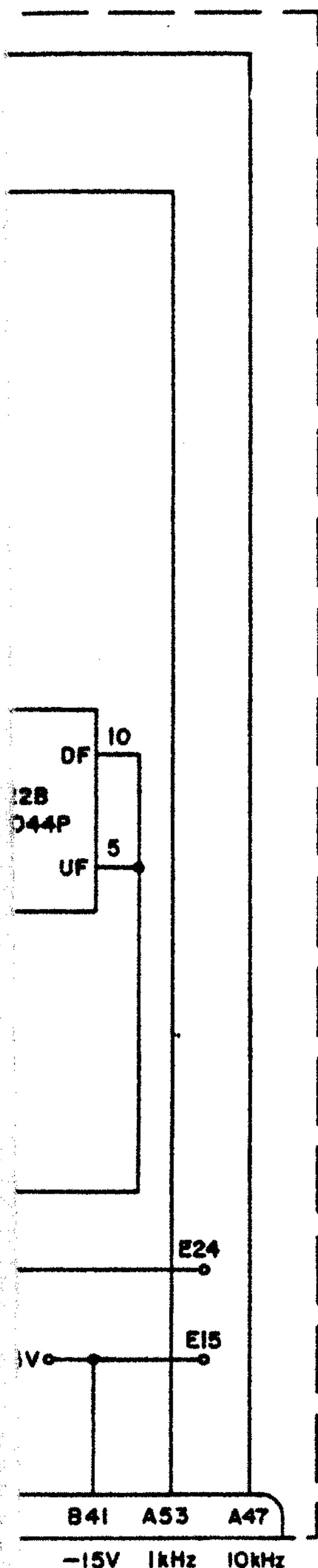
Figure 6-16. Type 791629 1st LO/VCO Assembly (A5A1A1), Schematic Diagram 51198 (P)

1 UNLESS OTHERWISE SPECIFIED
a) RESISTANCE IS IN OHMS $\pm 5\%$.1/8W
b) CAPACITANCE IS IN pF.

2. NOMINAL VALUE ; FINAL VALUE FACTORY SELECTED.

3 DIFFERENCE BETWEEN 791629-1 AND 791629-2 AND 791629-3
IS MECHANICAL.





NOTES:

1. UNLESS OTHERWISE SPECIFIED:

a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.

b) CAPACITANCE IS IN μF .

2. VCC, GND PINS OF IC,S ARE SHOWN IN TABLE A.

3. LEAD ARRANGEMENT FOR IC,S ARE SHOWN IN TABLE A.

4. NOMINAL VALUE. FINAL VALUE FACTORY SELECTED.

5. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE B.

6. GROUND LEVEL PINS ARE LISTED BELOW.

a) PIN NOS. OF GND LEVEL ONE ARE A48, A50, A52, A54, A56 & A58.

b) GND LEVEL TWO ARE A2, A4, A6, A8, A10, A12, A14, A16, A18, A20, A42, A44, A46, A48.

c) GND LEVEL THREE ARE B2, B4, B6, B8, B10, B12, B14, B16, B18, B20, B42, B44, B46, B48, B50, B52, B54, B56 & B58.

TABLE A

IC	REF DESIG	VCC			GND			DTL	VCC ₂ (FIL)
		1	2	3	1	2	3		
MC4044P	U5			14			7	B	
MC4044P	U22					7		B	14
MC12013L	U1			16			8	A	
MC12014L	U3			16			8	A	
SN74LS196N	U9			14			7	B	
SN74LS196	U2			14			7	B	
SN7400	U6			14			7	B	
82S123	U4			16			8	A	
SN74LS190	U8, U10			16			8	A	
SN74S74	U11			16			8	A	
SN74184	U13			16			8	A	
SN75140	U16	8			4			C	
74LS74	U21					7		B	14
8292	U15, U17	14			7			B	
8292	U18, U20		14			7		B	
741	U7							C	
SN74LS74	U12			14			7	B	
SN74125	U23	14			7			B	
SN74LS02	U24			14			7	B	

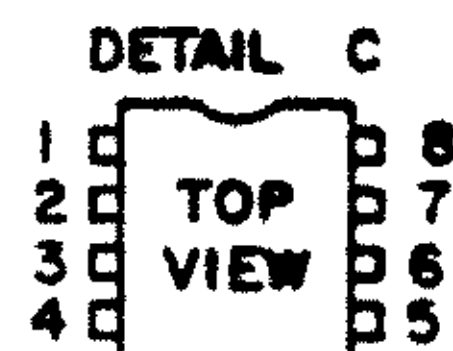
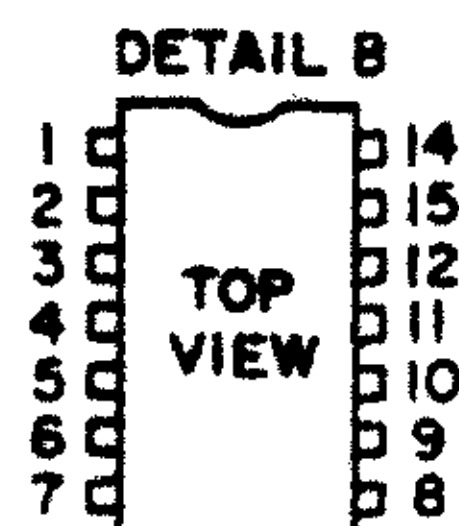
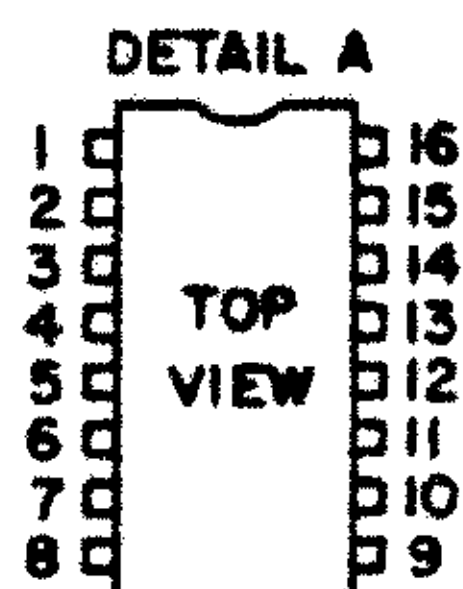
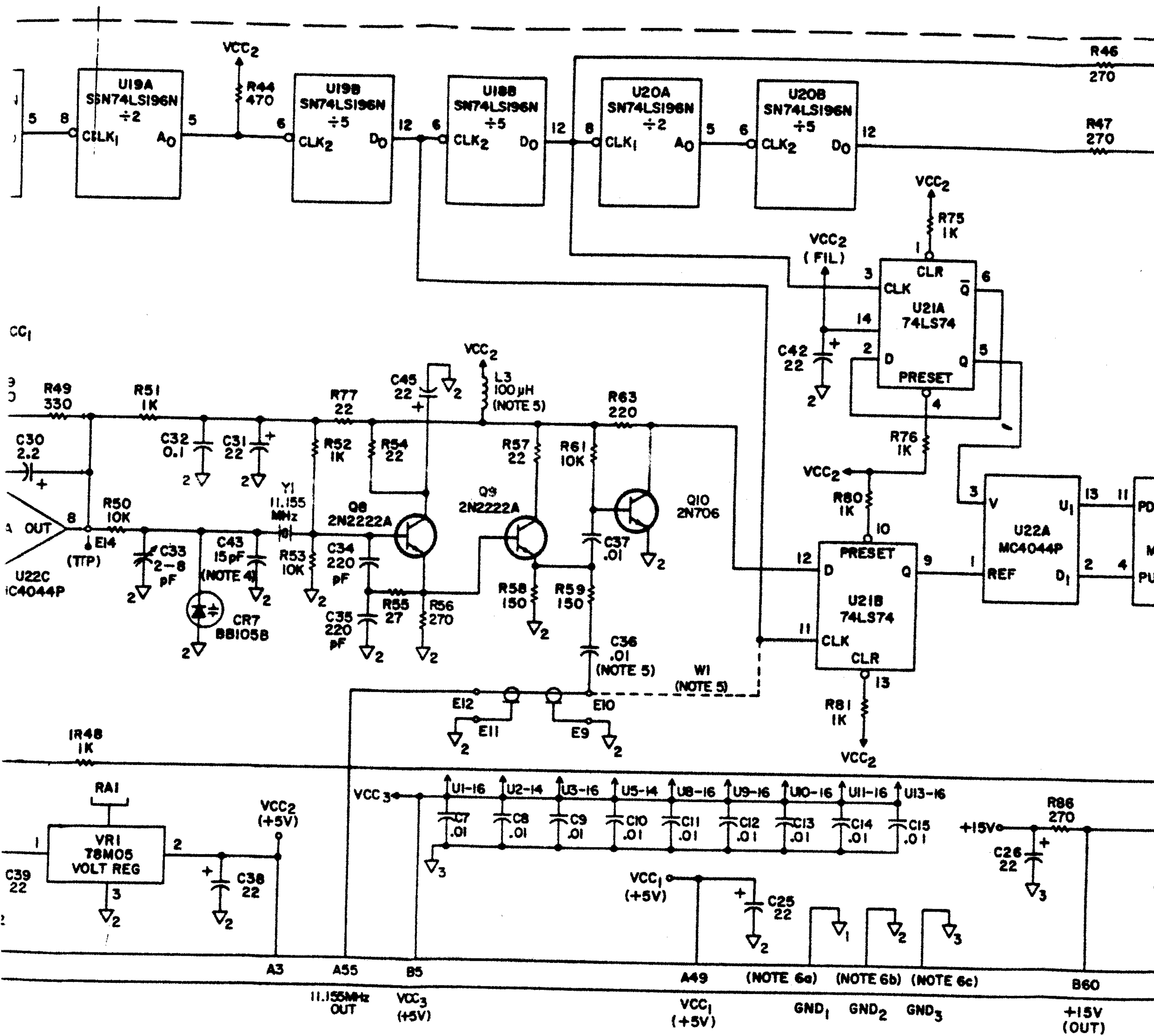


Figure 6-17.

Type 791600-1 1st & 3rd LO Synthesizer (A5A1A2)
Schematic Diagram 61247 (Sheet 1 of 2)



WI	U14
USED	92063-1
HOWN	92063-1
USED	841038
USED	92063-1

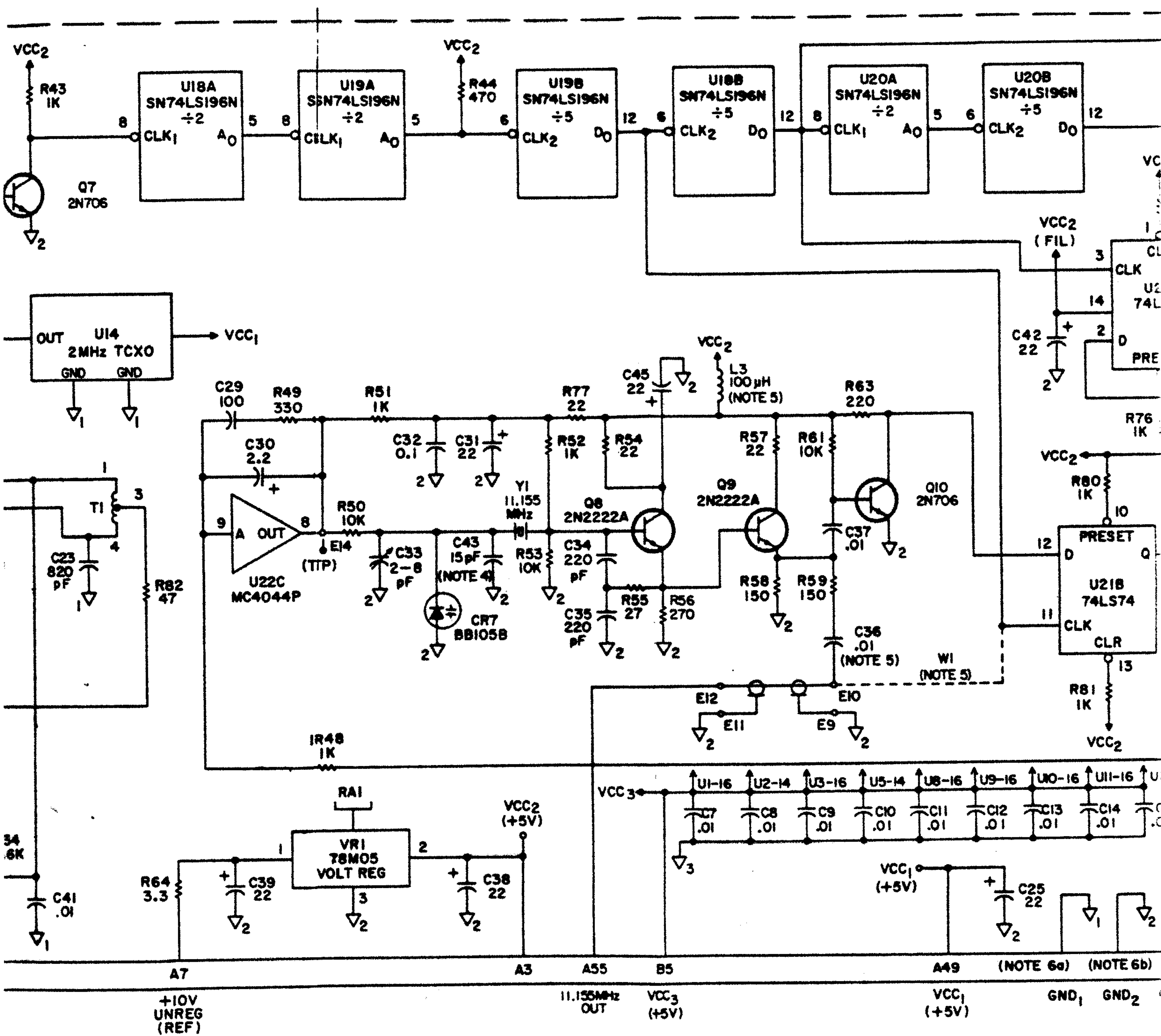
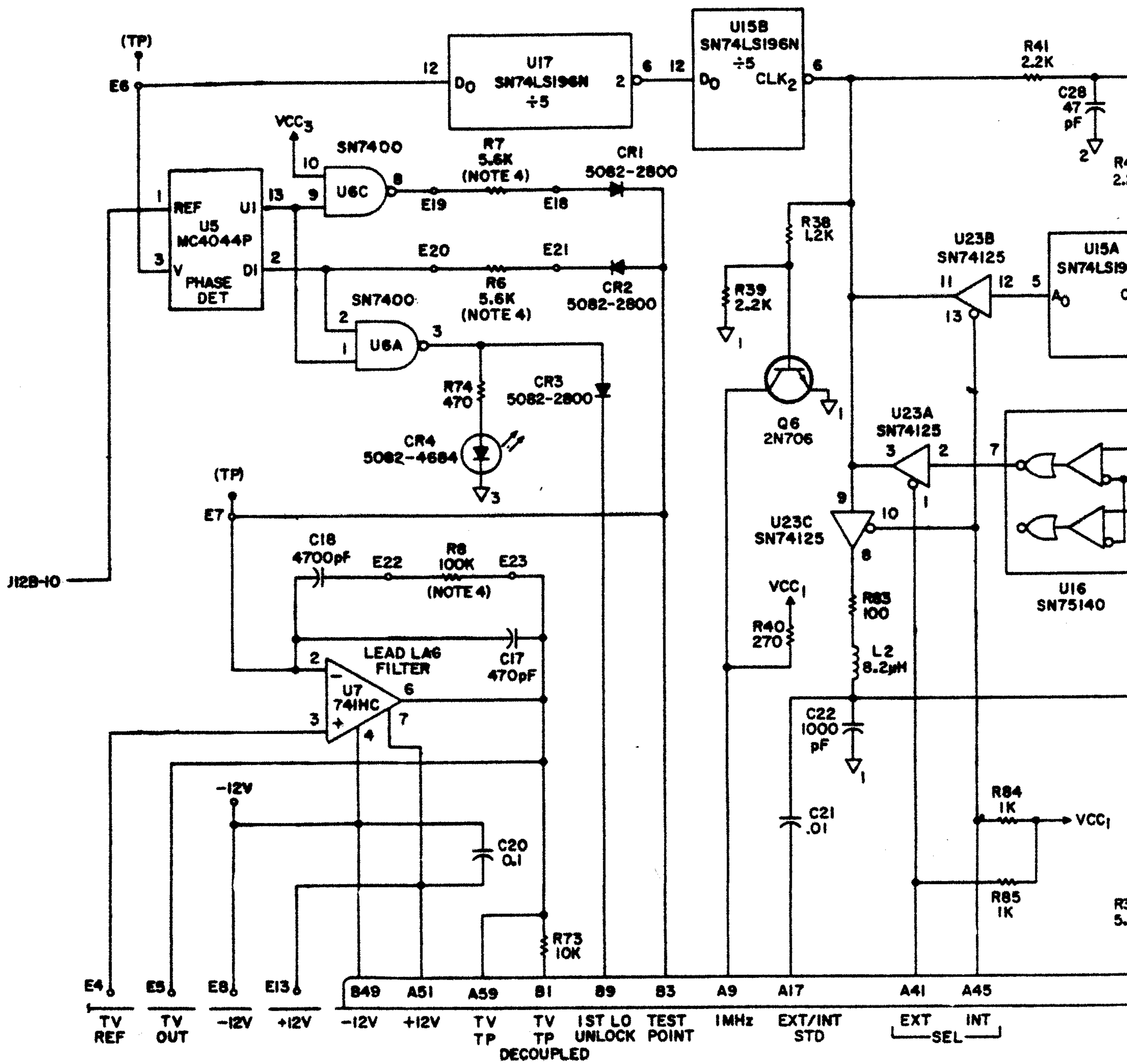
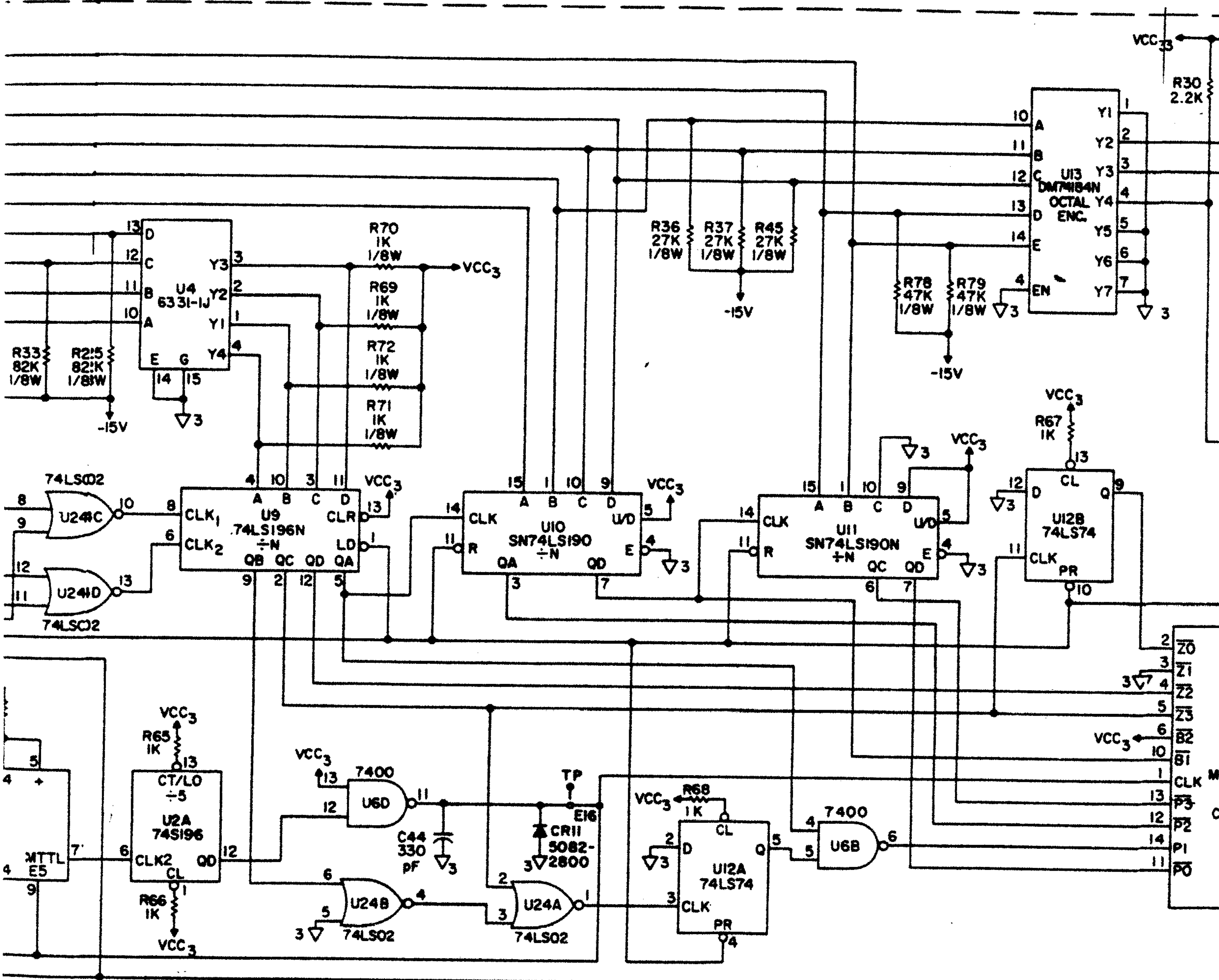


TABLE B

C36	L3	W1	U14
AS SHOWN	AS SHOWN	NOT USED	92063-1
NOT USED	NOT USED	AS SHOWN	92063-1
AS SHOWN	AS SHOWN	NOT USED	841038
AS SHOWN	AS SHOWN	NOT USED	92063-1



1
79
79
79
79



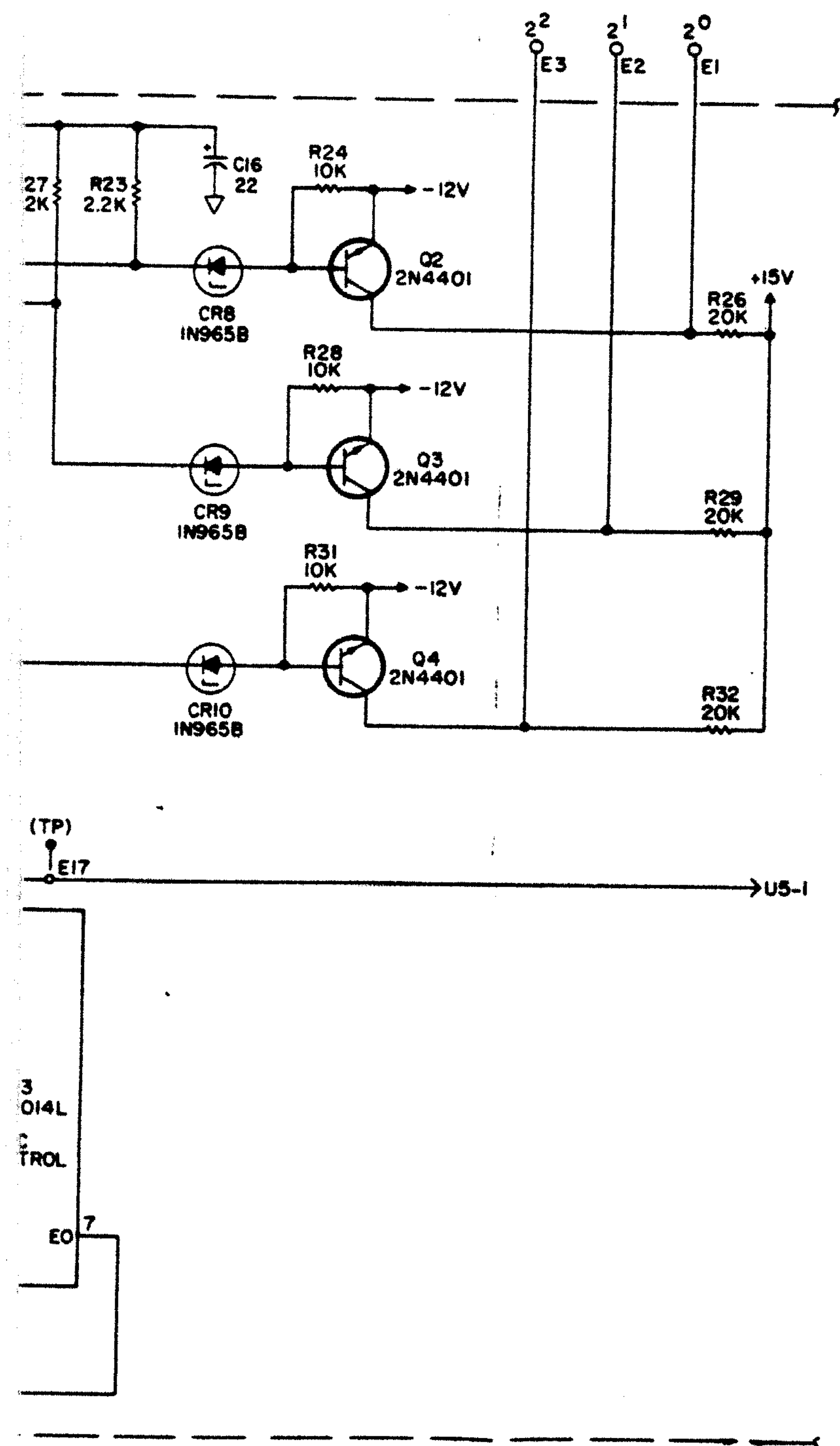
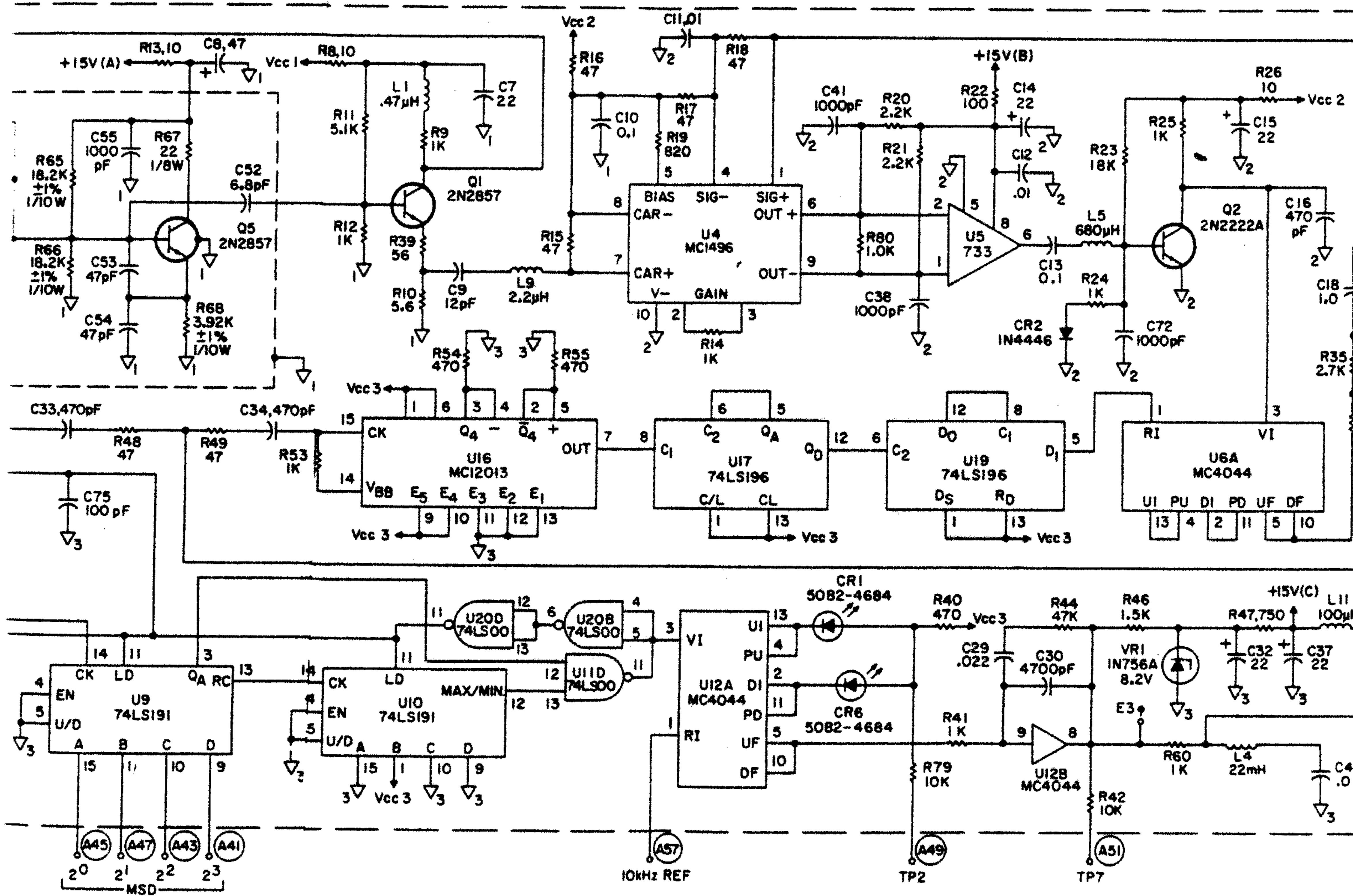


Figure 6-17

Type 791600-1 1st & 3rd LO Synthesizer (A5A1A2)
Schematic Diagram 61247 (Sheet 2 of 2)



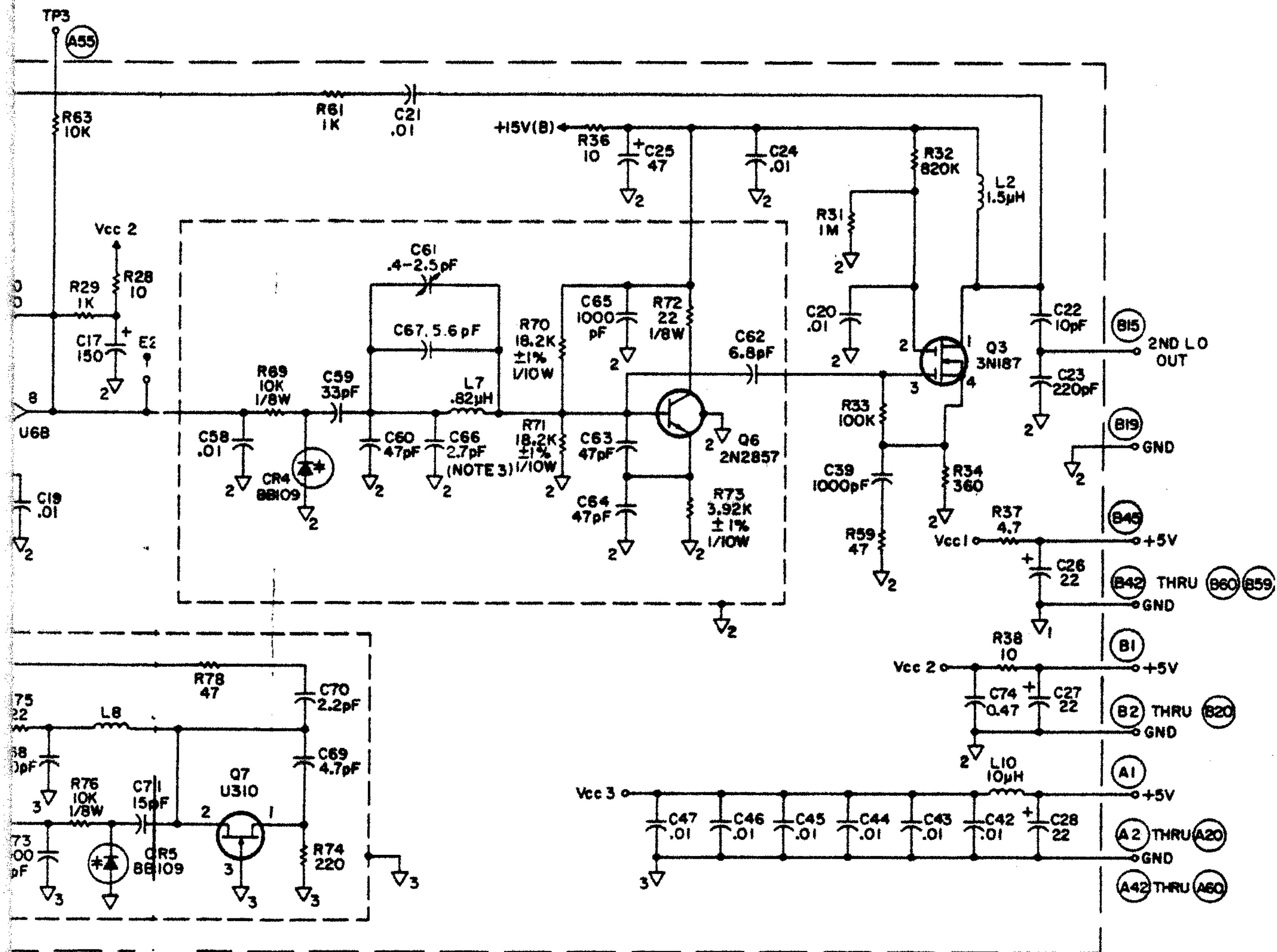


Figure 6-18.

Type 791601 2nd LO Synthesizer (A5A2)
Schematic Diagram 61256

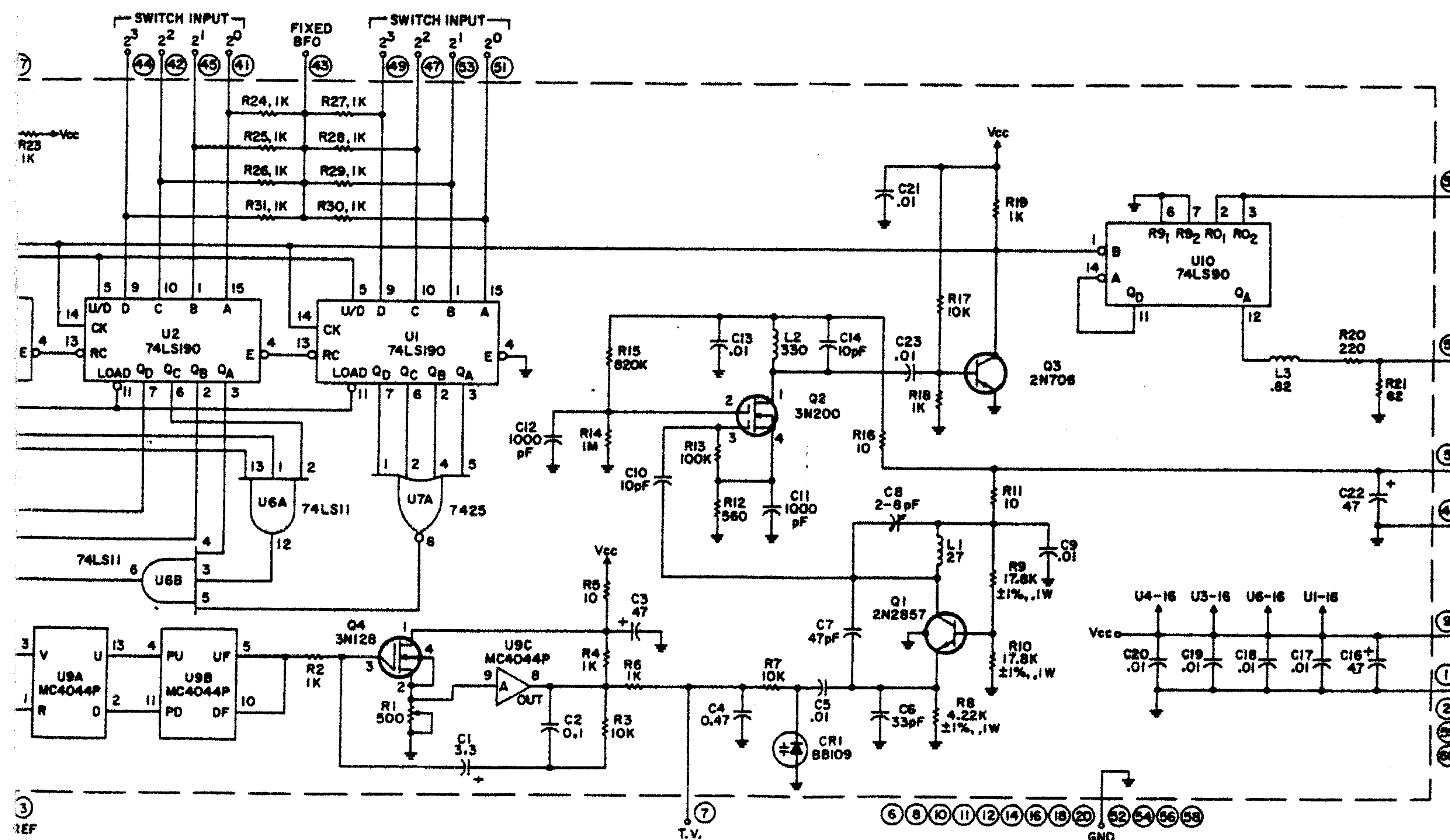


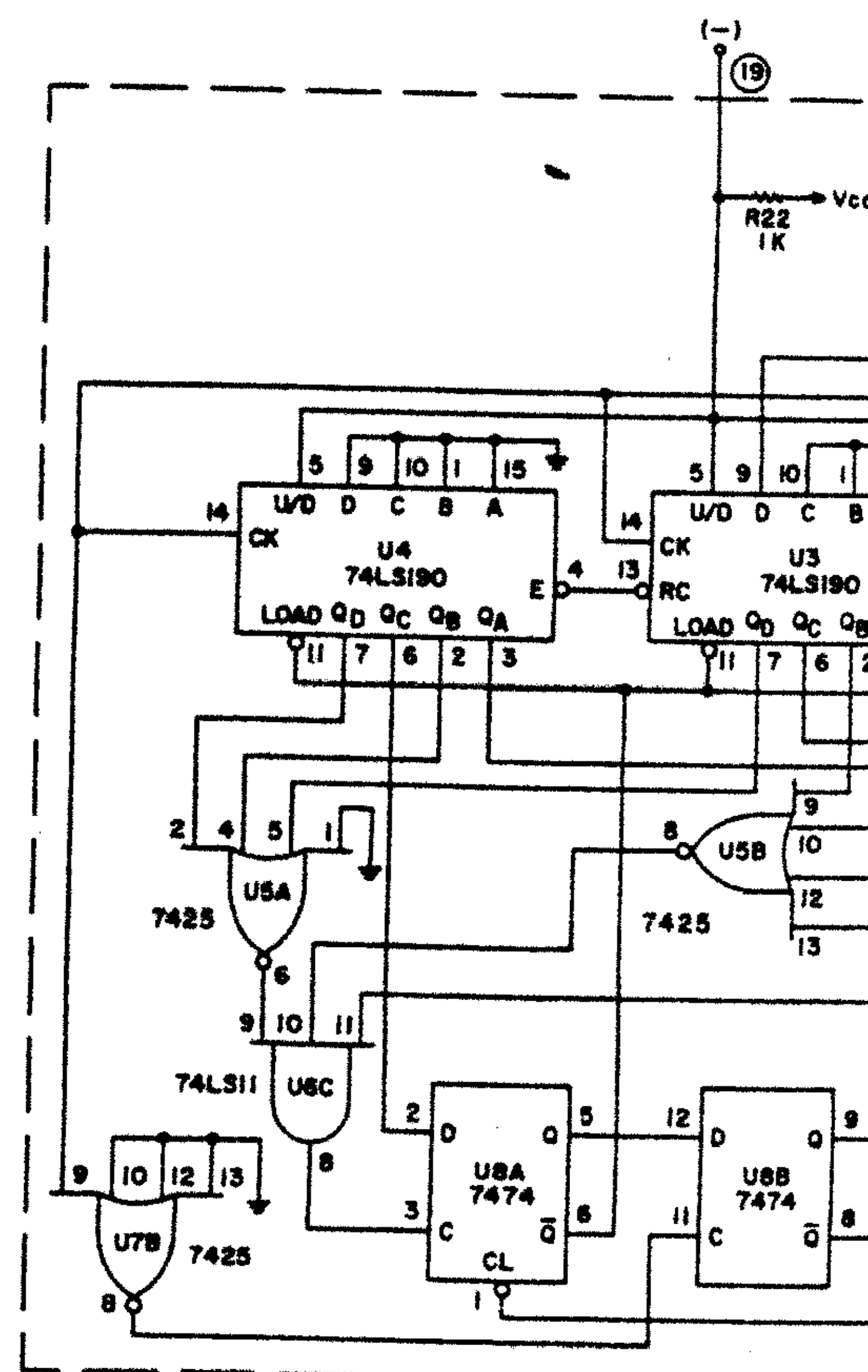
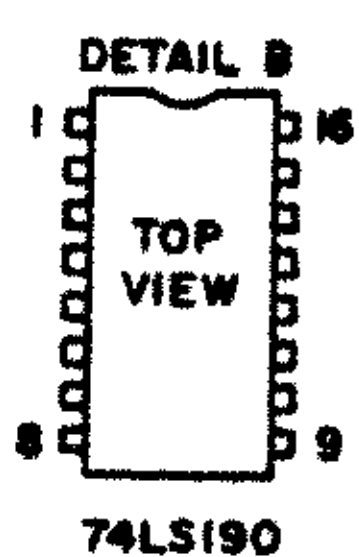
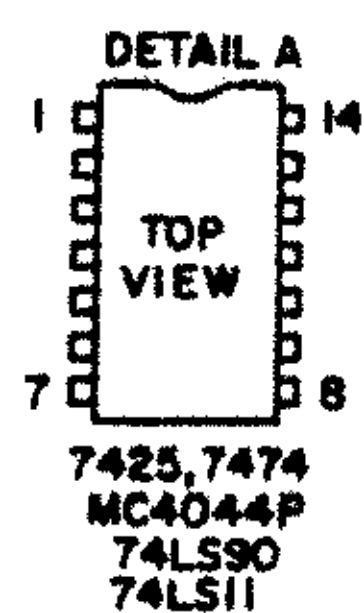
Figure 6-19.

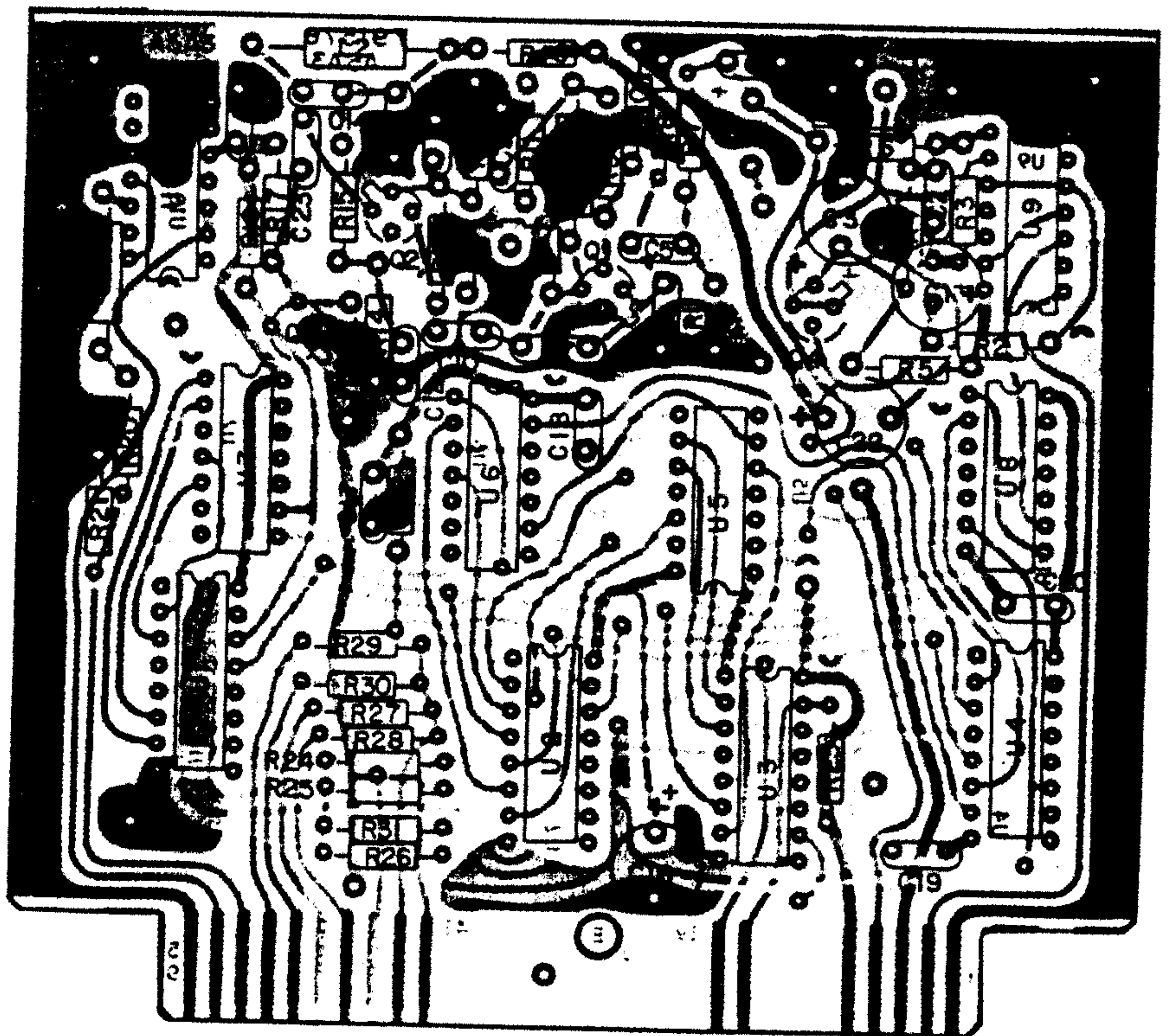
Type 791576 BFO Synthesizer (A5A)
Schematic Diagram 51183

- NOTES:
1. UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
b) CAPACITANCE IS IN μF .
c) INDUCTANCE IS IN μH .
 2. ENCIRCLED NUMBERS ARE MODULE PIN NUMBERS.
 3. FOR I/C PIN ARRANGEMENTS SEE DETAILS A & B.
 4. FOR PIN NOS. OF VCC & GND SEE TABLE A.
 5. DIFFERENCE BETWEEN TYPES IS MECHANICAL ONLY.

TABLE A

I/C	REF DESIG	Vcc	GND
74LS190	U1, U2, U3, U4	16	8
7425	U5, U7	14	7
74LS11	U6	14	7
7474	U8	14	7
MC4044P	U9	14	7
74LS90	U10	5	10

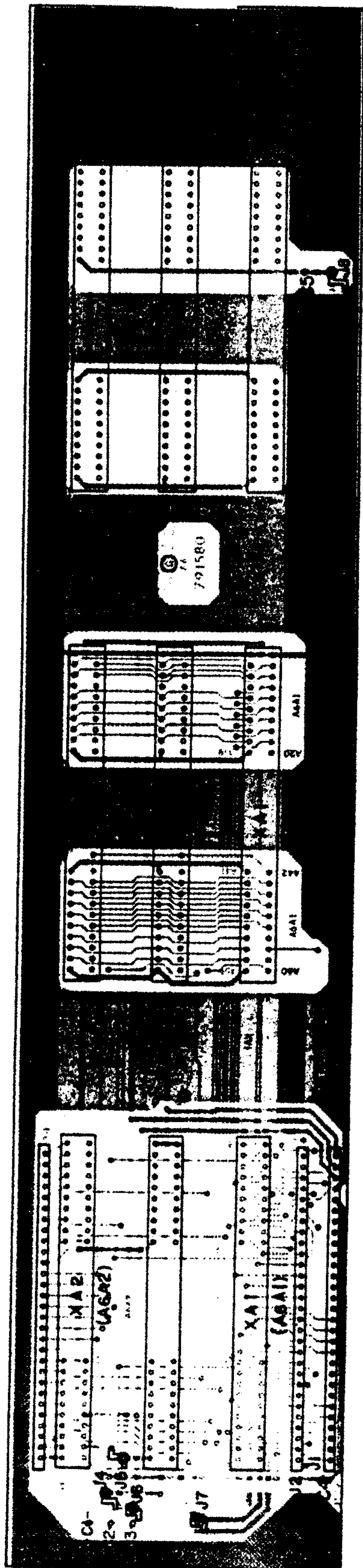




2-41

P/O Fig 6-19
m L-41

43



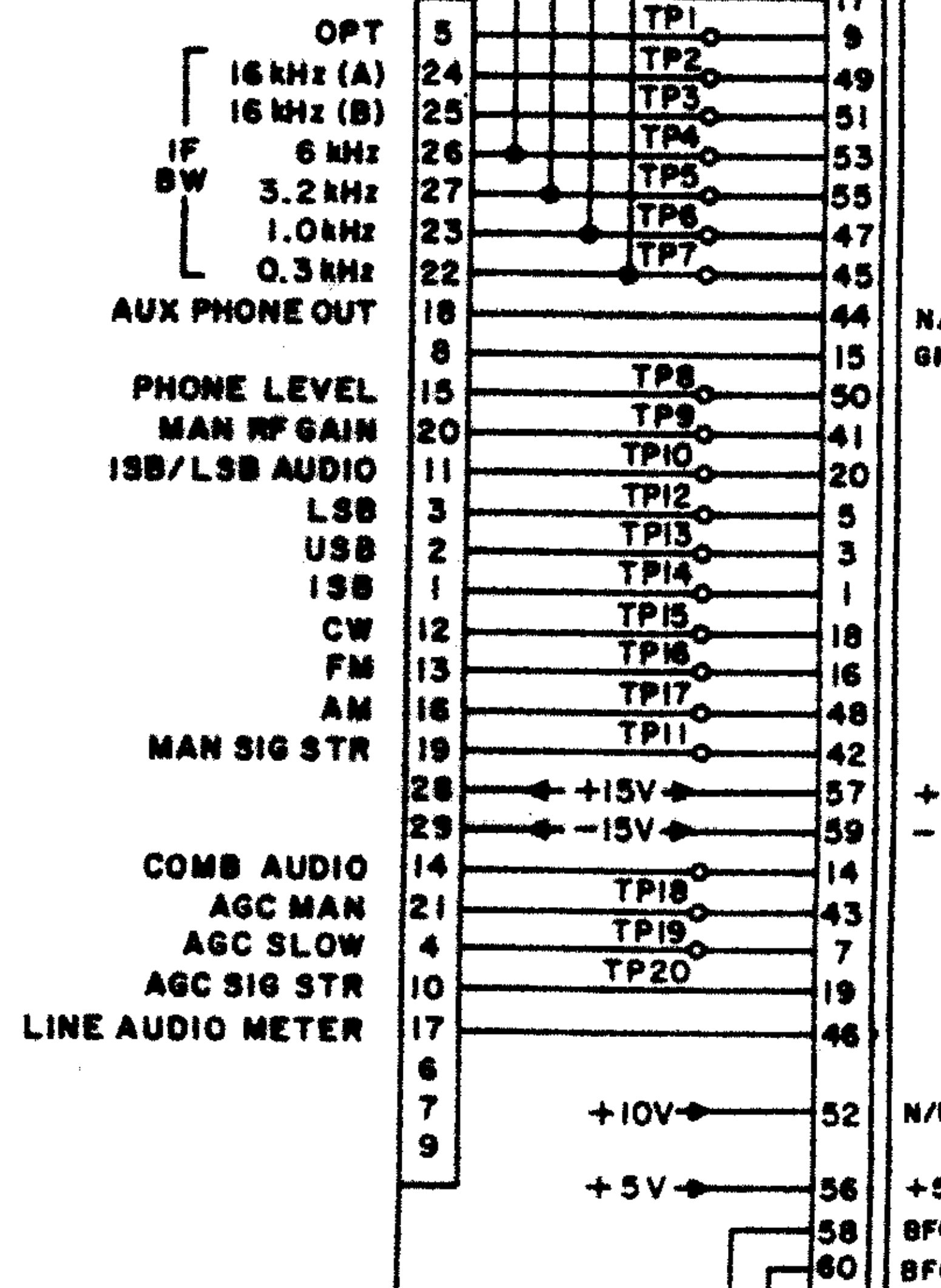
NOTES:

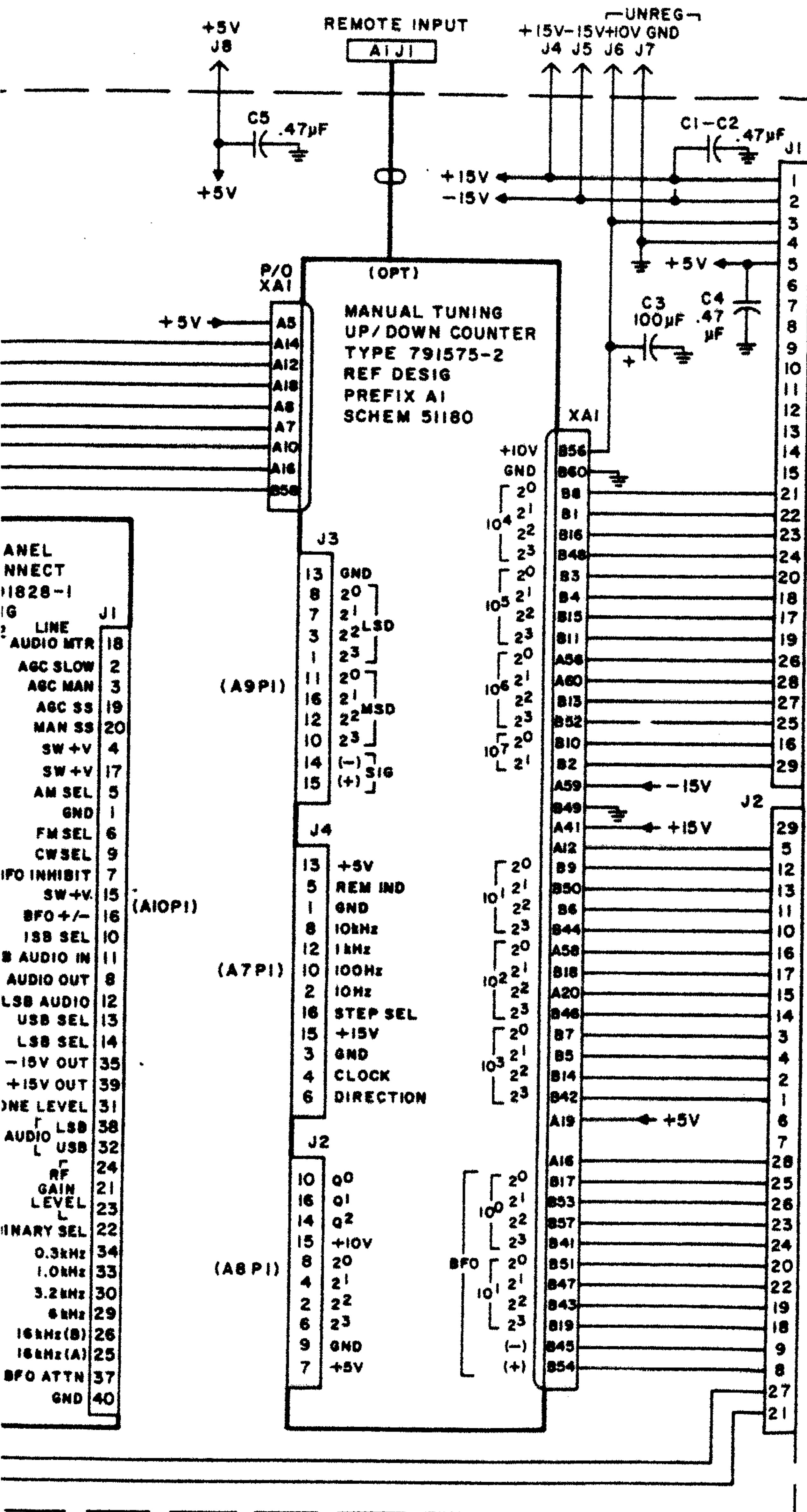
1. MOST MODULE PINS ARE NOT SHOWN DUE TO UNNECESSARY LINE DUPLICATIONS. OPTIONAL PINS ON SOME MODULES ARE NOT SHOWN BECAUSE OF COMPLEXITY (SEE EACH OPTION DWG FOR CLARITY).

2. PLUGS A7PI, A8PI, A9PI, A10PI ARE FOR REF ONLY, AND ARE NOT OF THIS ASSEMBLY.

3. TEST POINTS DESCRIPTIONS:

TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10 AS SHOWN
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20





NOTES:

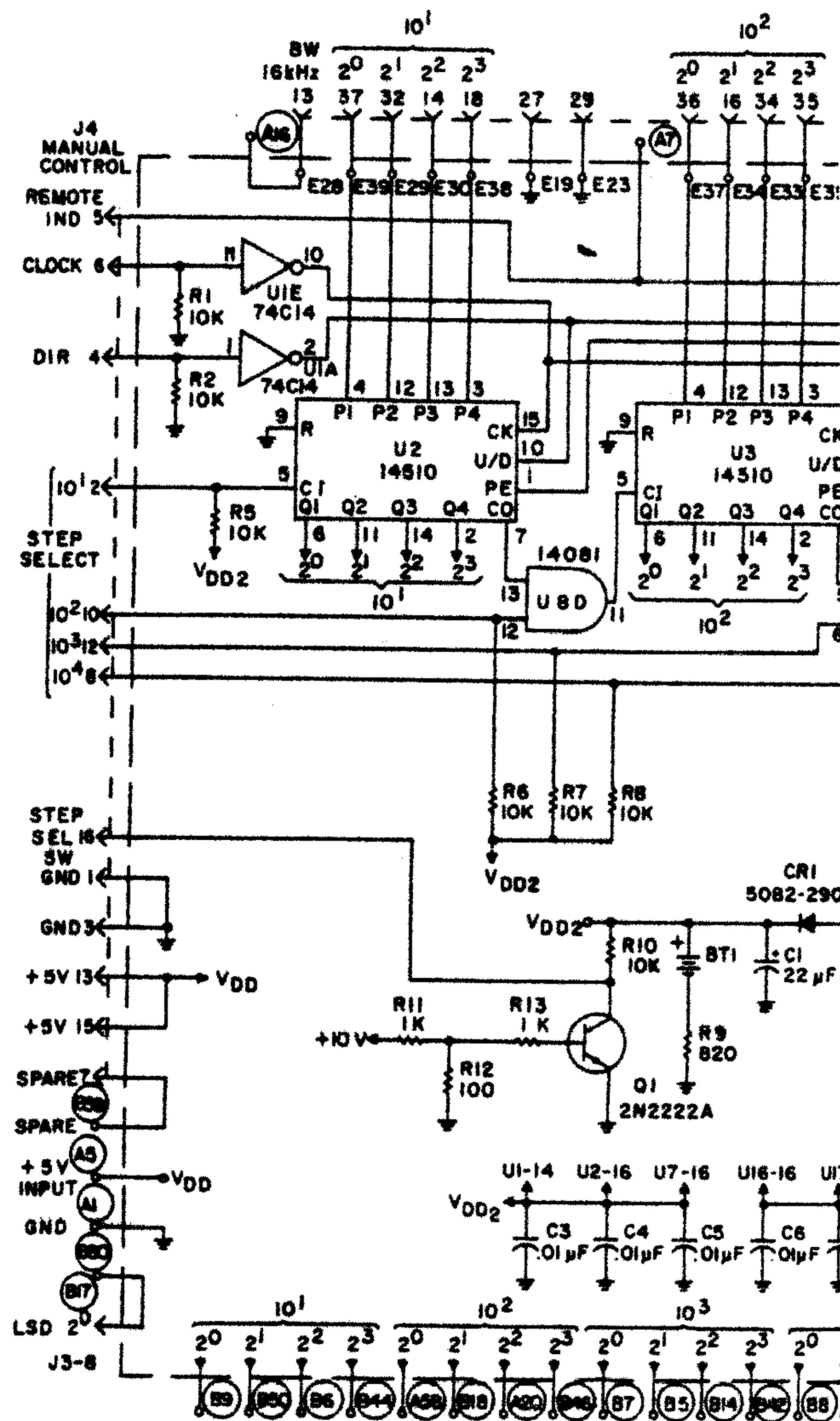
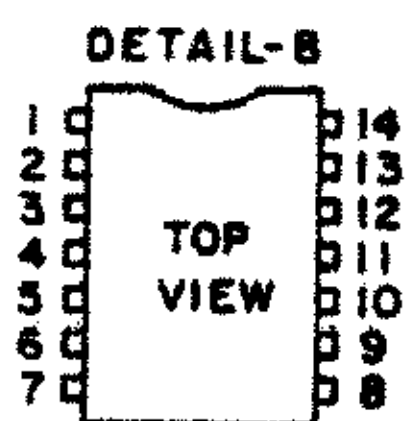
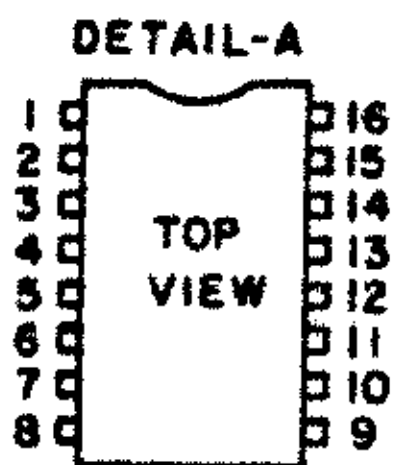
1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IS IN OHMS $\pm 5\%$, 1/4 W
2. POWER CONNECTIONS AND PIN ARRANGEMENTS FOR ICs ARE GIVEN IN TABLE 2
3. ENCIRCLED NUMBERS ARE MODULE PIN NUMBERS.
4. REMOVE JUMPER BETWEEN E42 AND E41 FOR EXTERNALLY ACTIVATED REMOTE CONTROL. THE PRESENCE OF THE JUMPER PROVIDES FRONT-PANEL ACTIVATED REMOTE CONTROL.
5. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE 3.

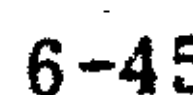
TABLE 2

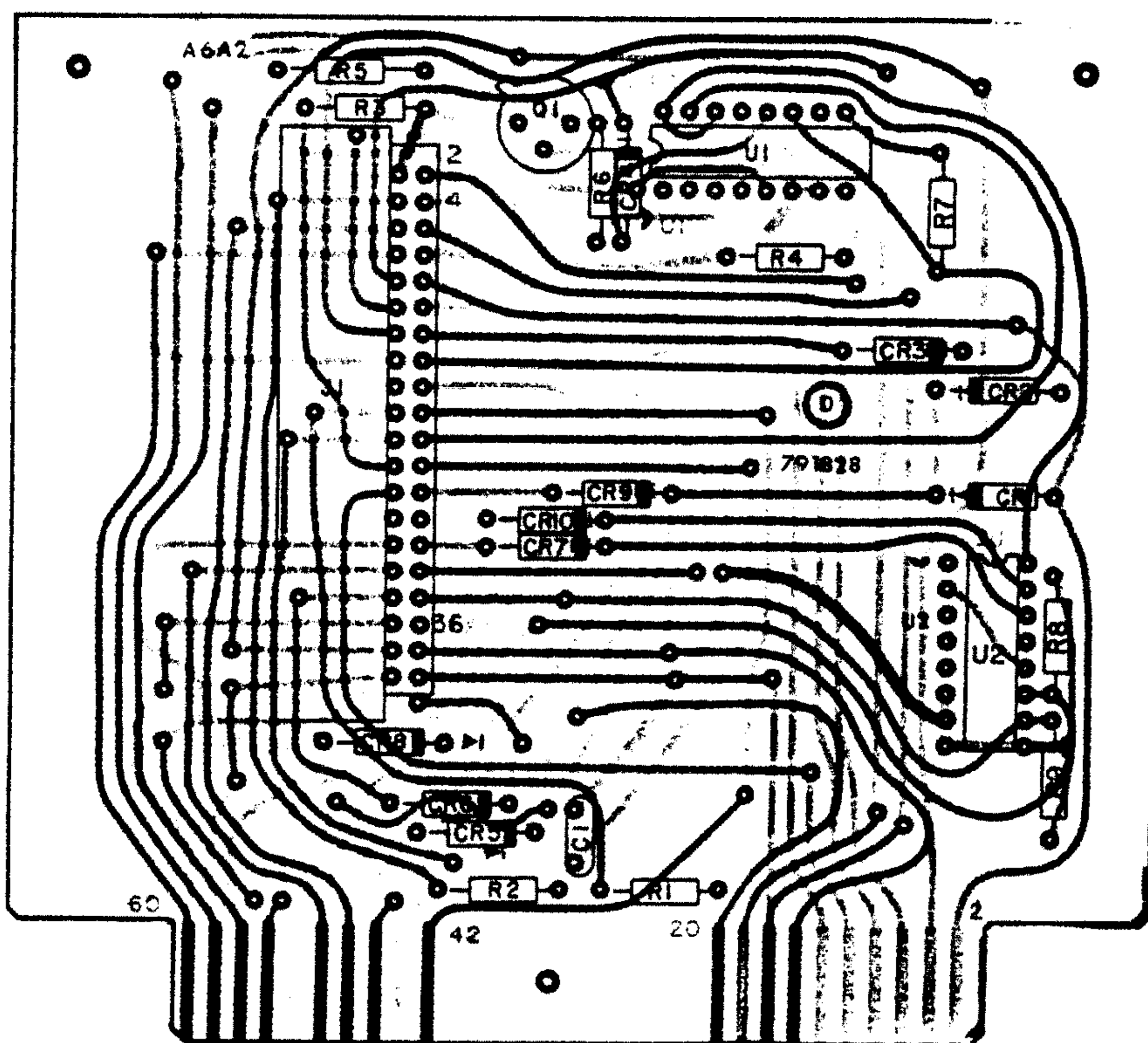
IC	VDD PIN	VDD2 PIN	GND PIN	DETAIL
U1, U8, U18		14	7	B
U2-U7, U9, U12-U15		16	8	A
U10, U11	14		7	B
U16	16		8	A
U17	1		8	A

TABLE 3

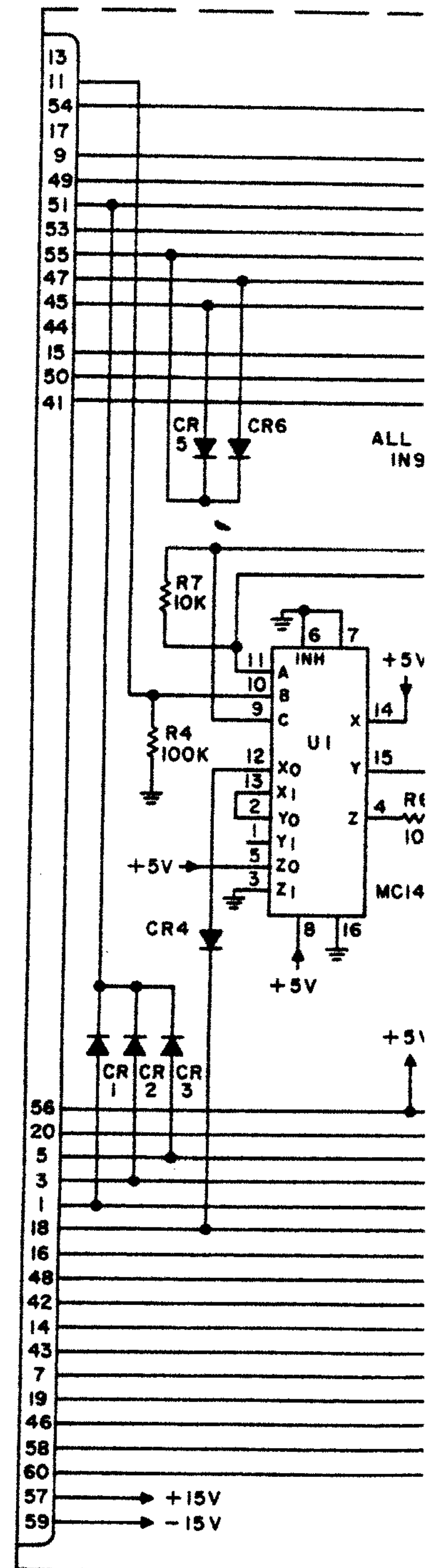
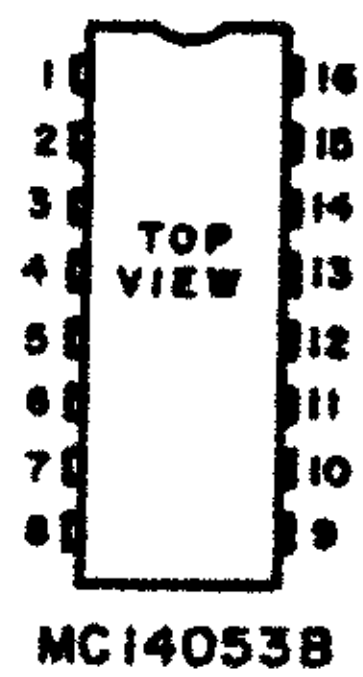
TYPE NO	J1 (RMT IN)
791575-1	OMIT
791575-2	AS SHOWN
791575-3	AS SHOWN
791575-4	AS SHOWN
791575-5	AS SHOWN

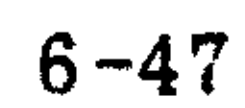






NOTE:
UNLESS OTHERWISE SPECIFIED:
a) RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
b) CAPACITANCE IS IN μF .





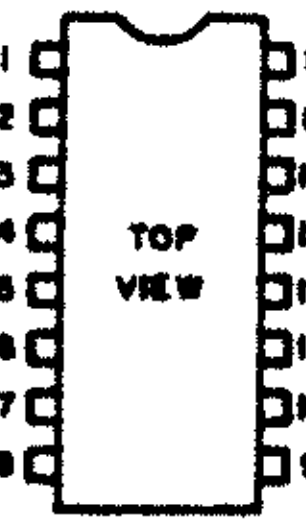
S:
UNLESS OTHERWISE SPECIFIED,
RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
U10 PIN 18 IS +5V; U10 PIN 9 IS GND.
PIN ARRANGEMENT FOR ICs IS SHOWN IN
DETAILS A-C.
DIFFERENCE BETWEEN TYPES IS MECHANICAL
ONLY.

DETAIL A
U1-U7

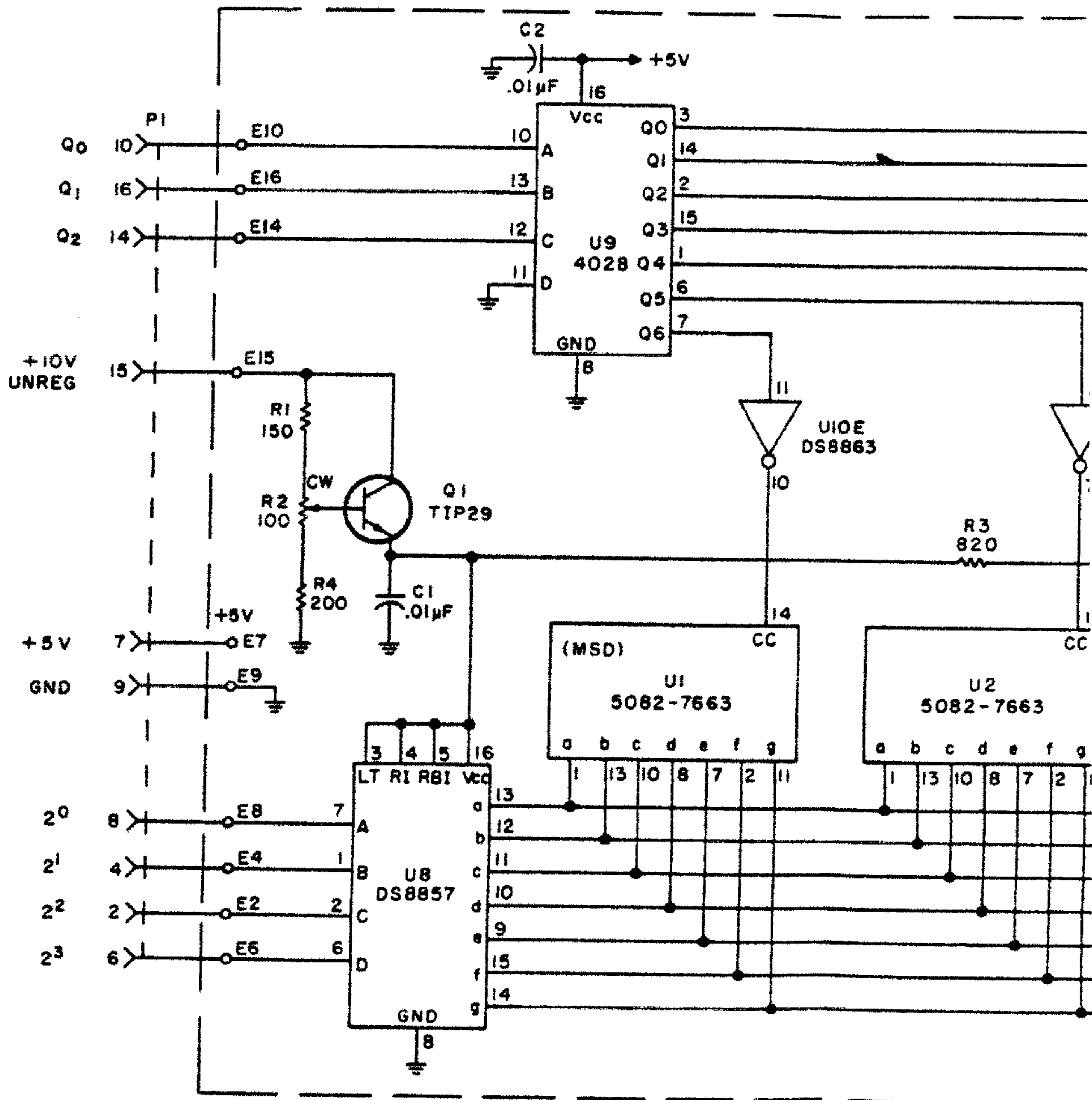
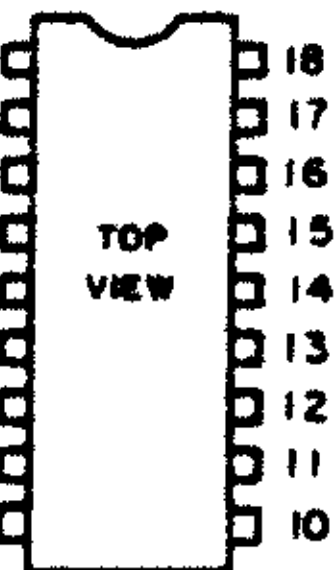
1	14
2	13
3	12
4	11
5	10
6	9
7	8

TOP VIEW

DETAIL B
U8, U9



DETAIL C
U10



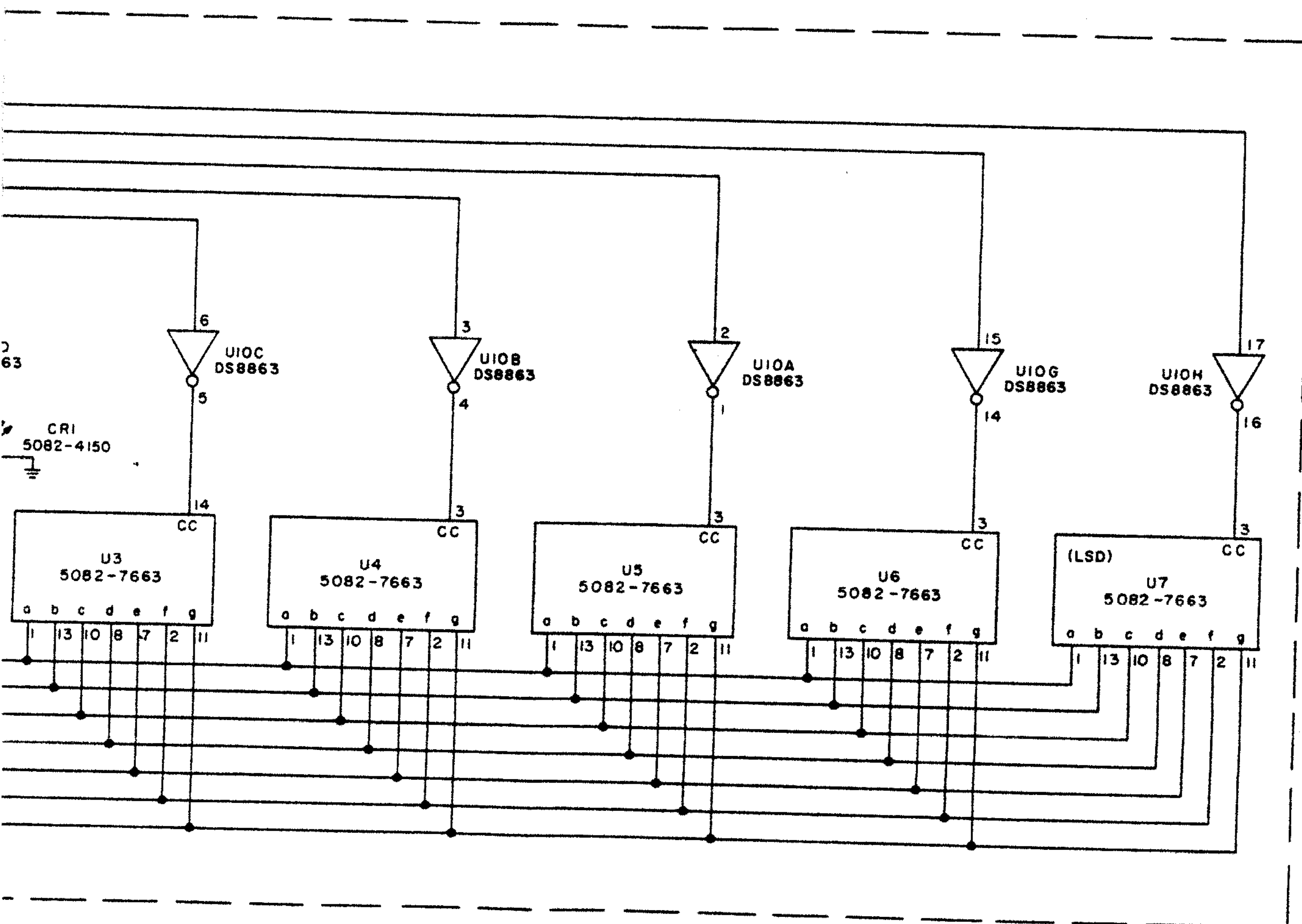


Figure 6-23.

Type 791578 Frequency Display (A8)
Schematic Diagram 43242

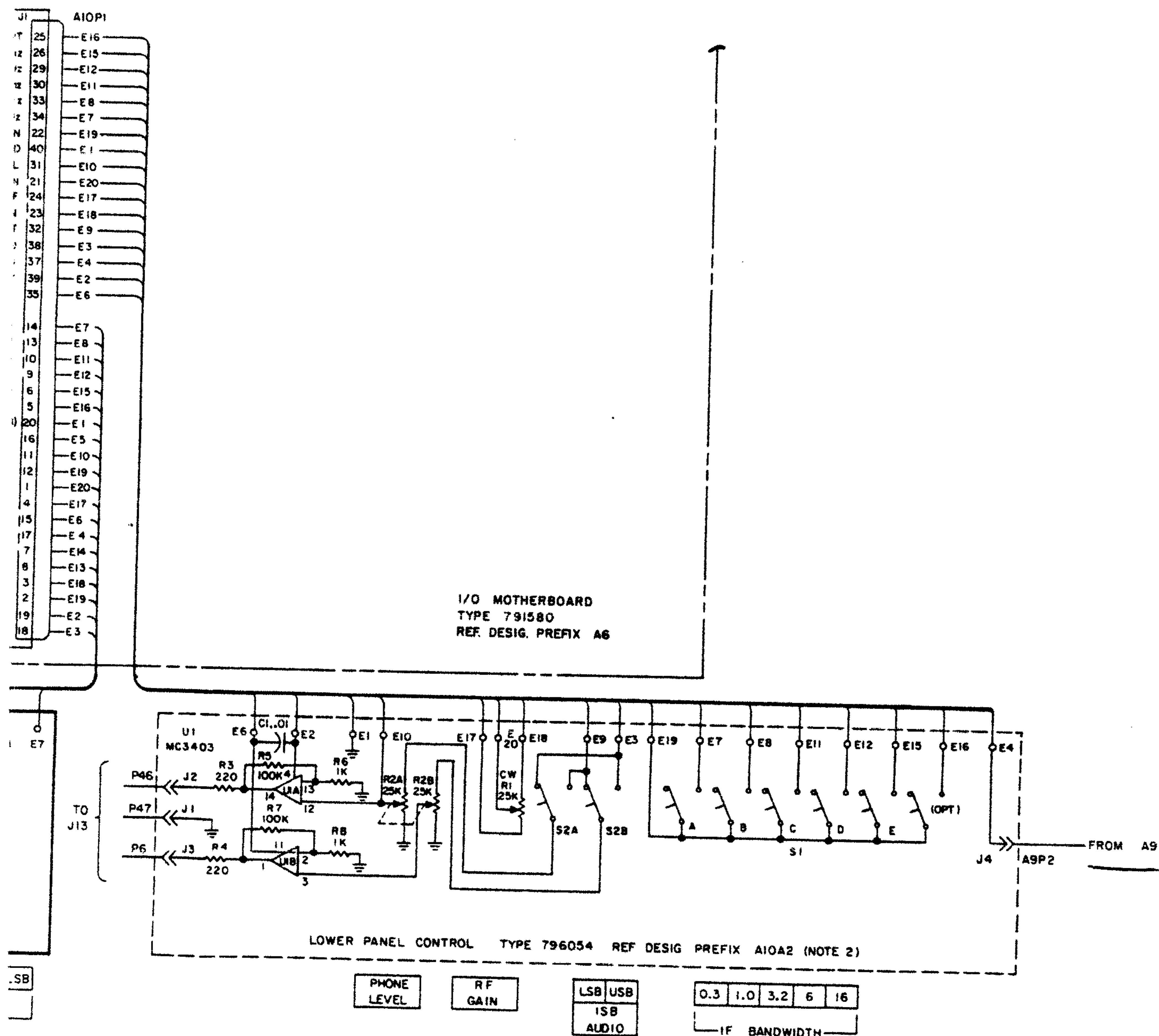
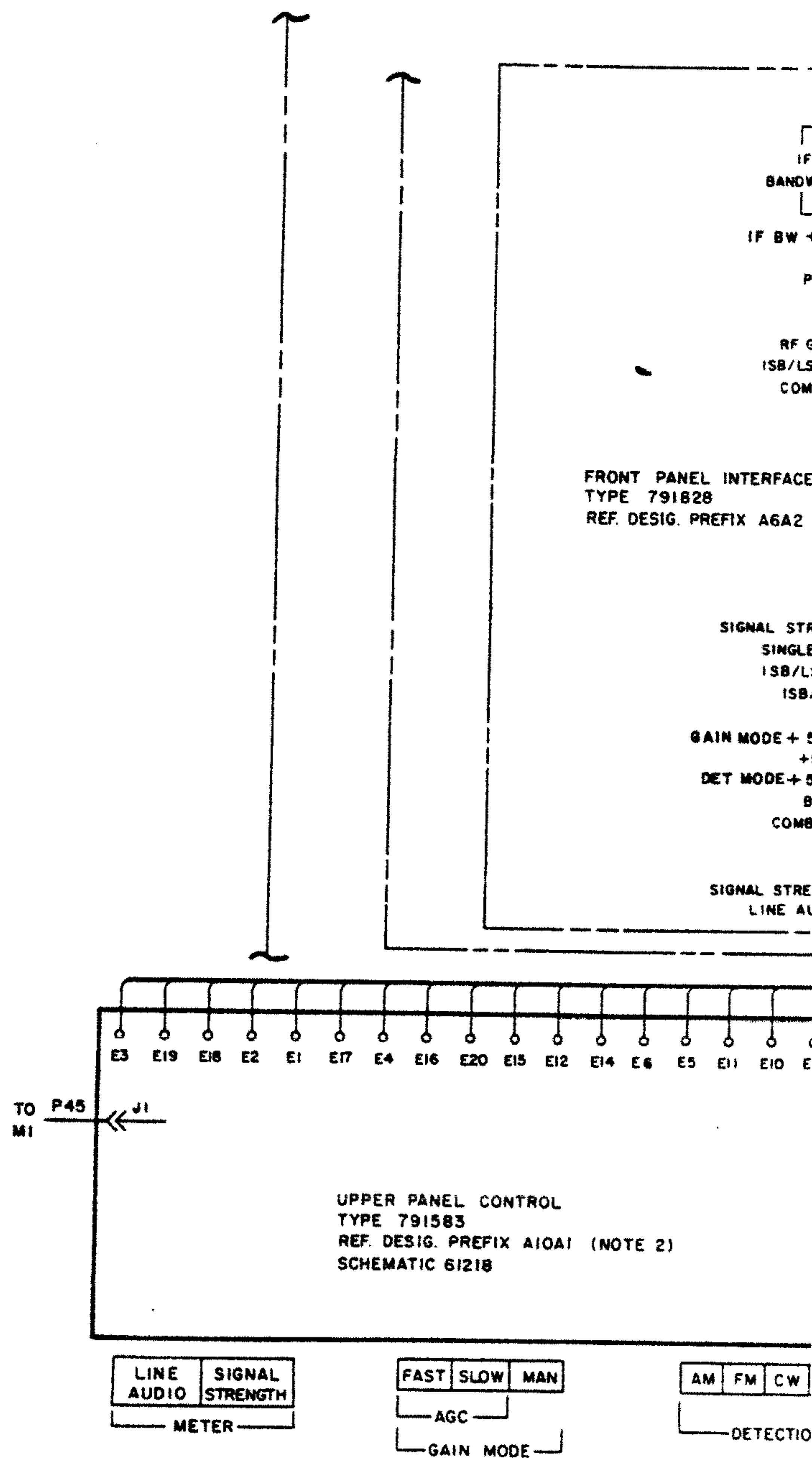


Figure 6-24.

Type 796053 Front Panel Control (A10)
Schematic Diagram 480074

NOTES:

1. THIS SCHEMATIC IS A SUPPLEMENT TO 61218 (WJ-8718 MAIN FRAME SCHEMATIC) TO DEPICT A WJ-8718-6.
2. PHANTOM LINES INDICATE EXISTING MODULES.
3. A10A1, A10A2 ARE PART OF:
FRONT PANEL CONTROL
TYPE 796053
REF. DESIG. PREFIX A10
4. UNLESS OTHERWISE SPECIFIED:
a. RESISTANCE IS IN OHMS 5%, 1/4 W.



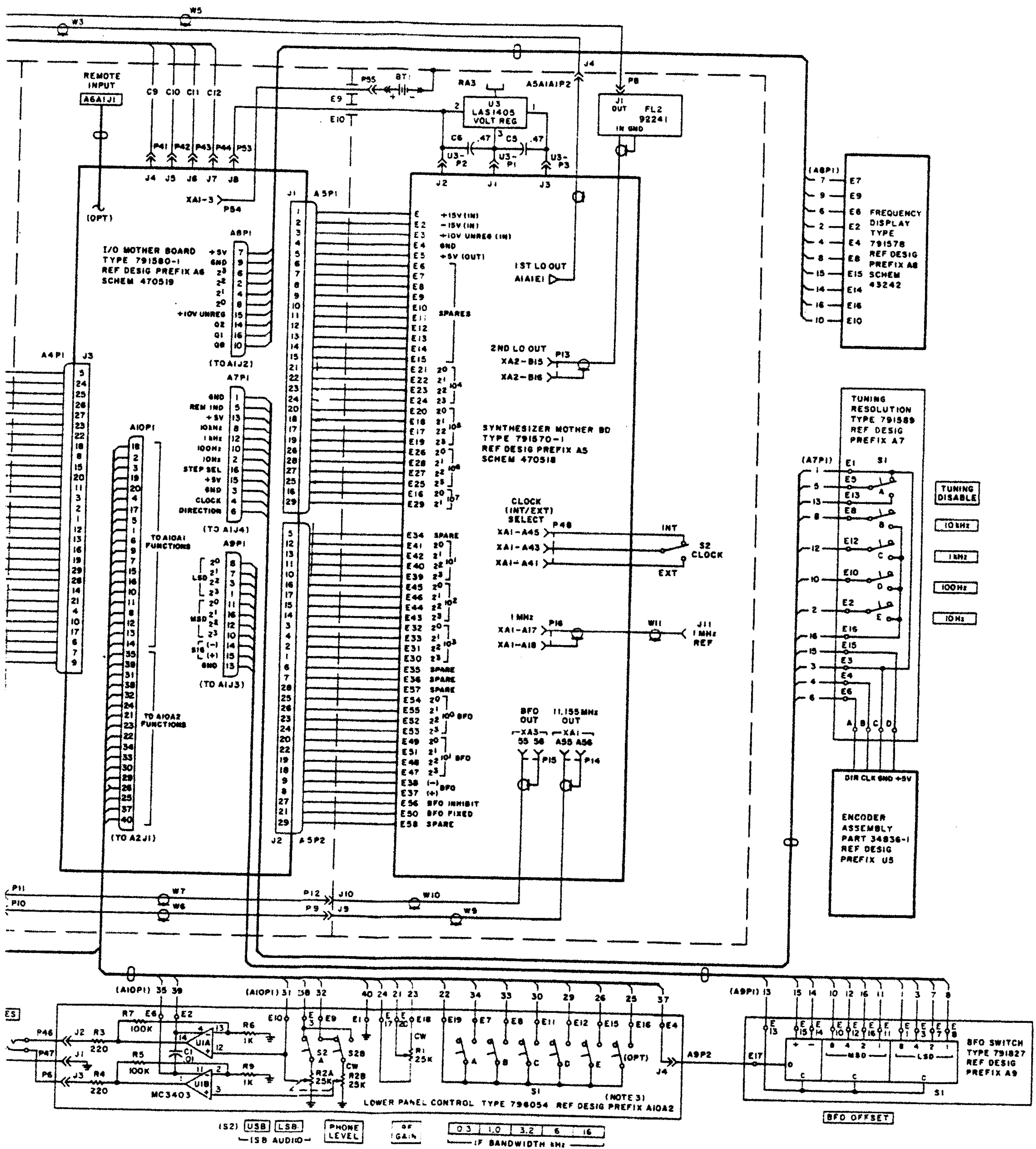
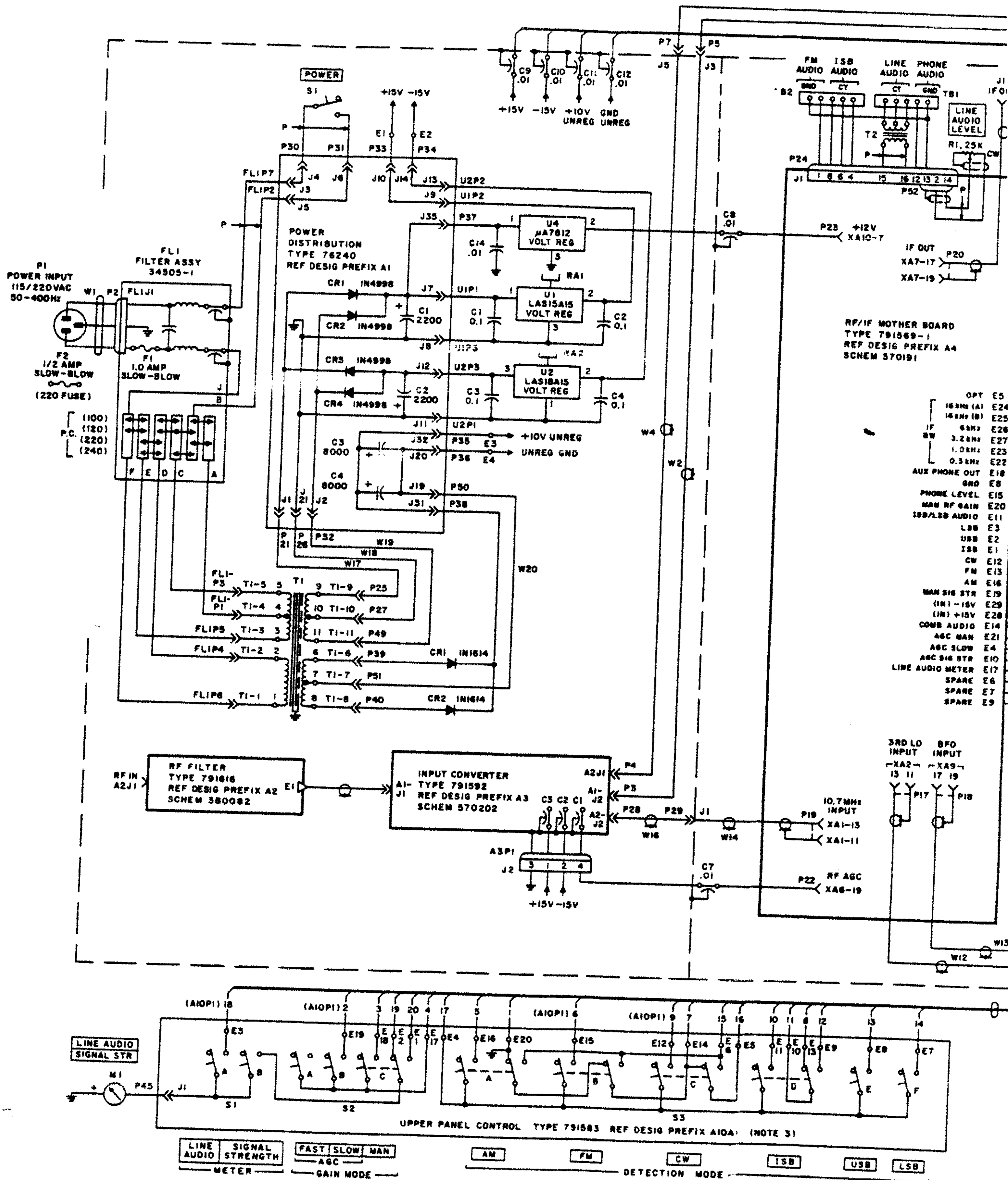
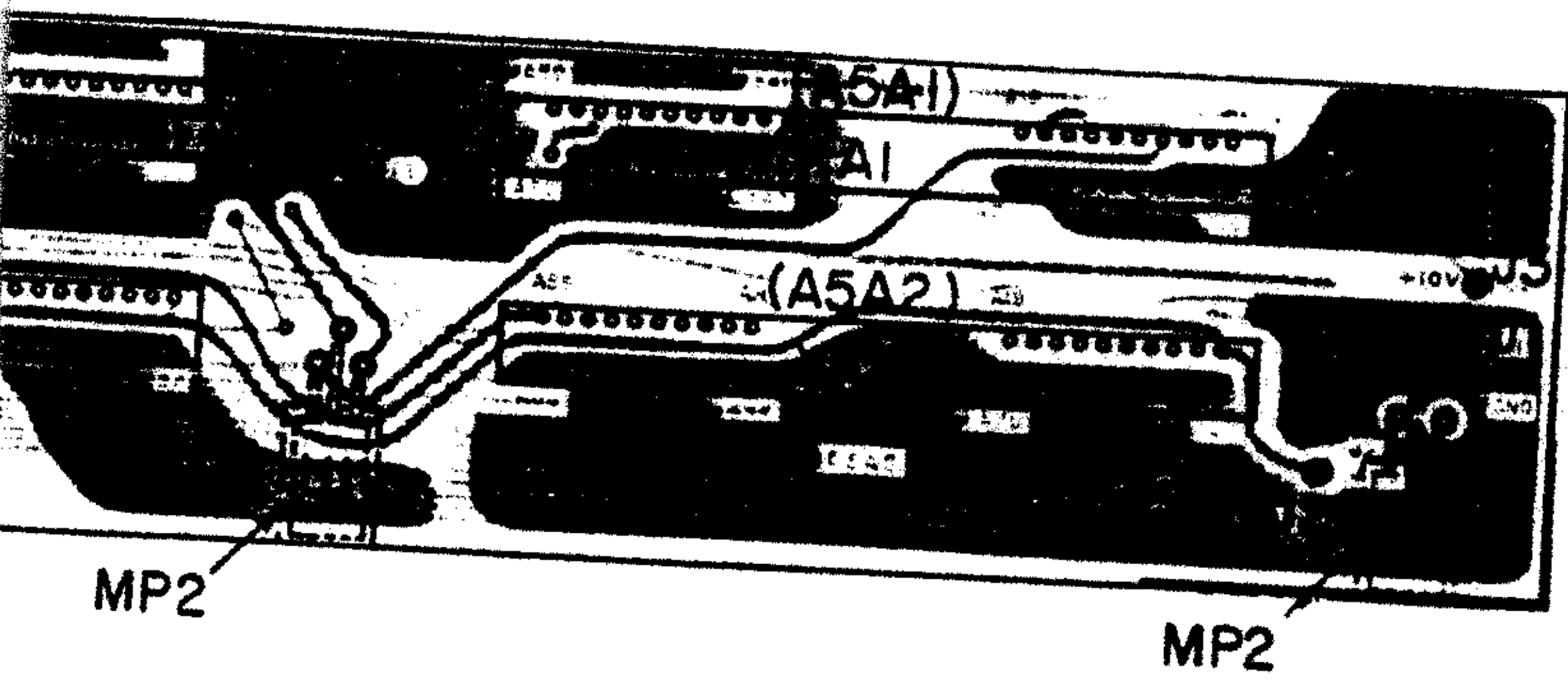


Figure 6-25.

Type WJ-8718A HF Receiver, Main Chassis Schematic Diagram 670058



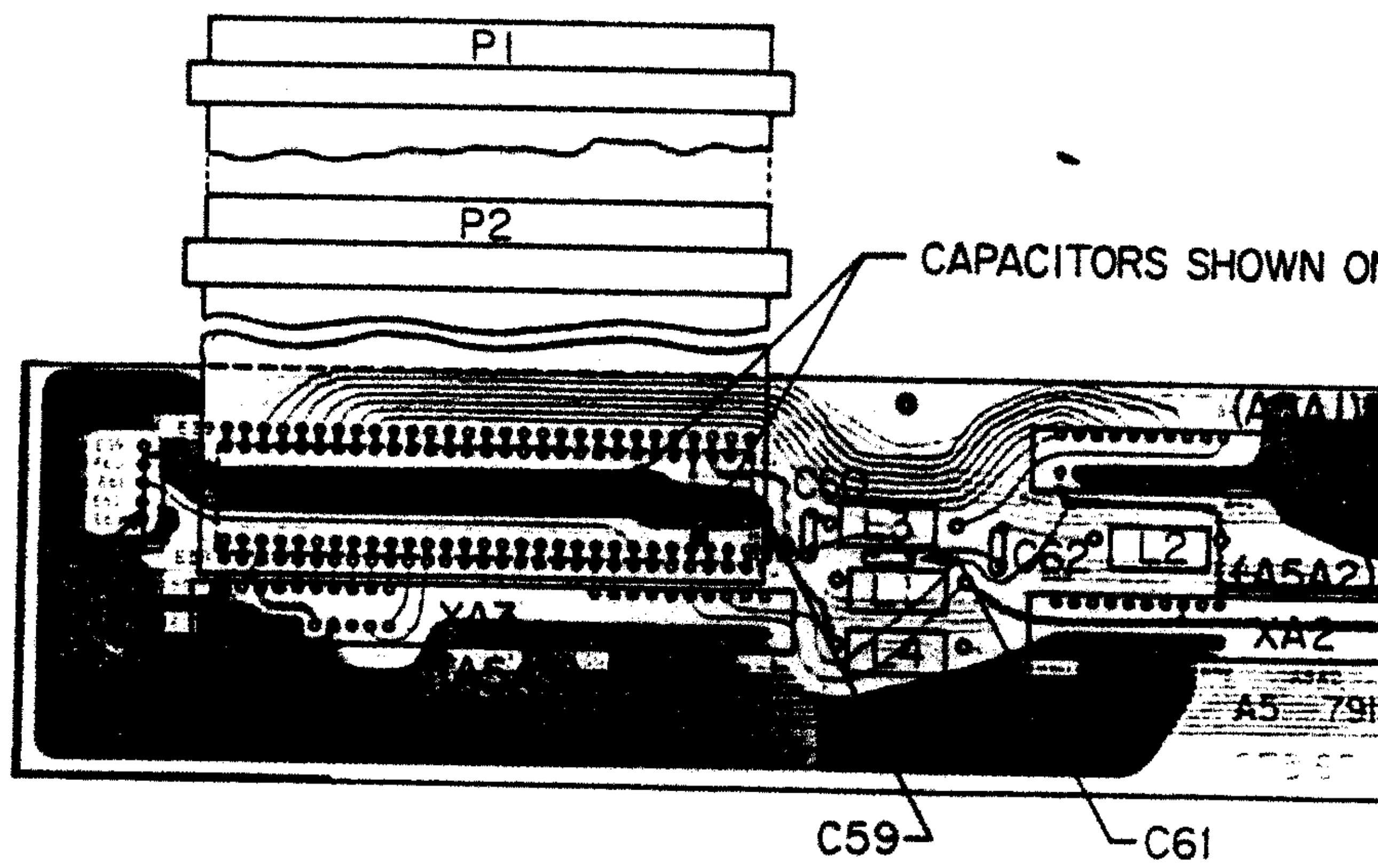
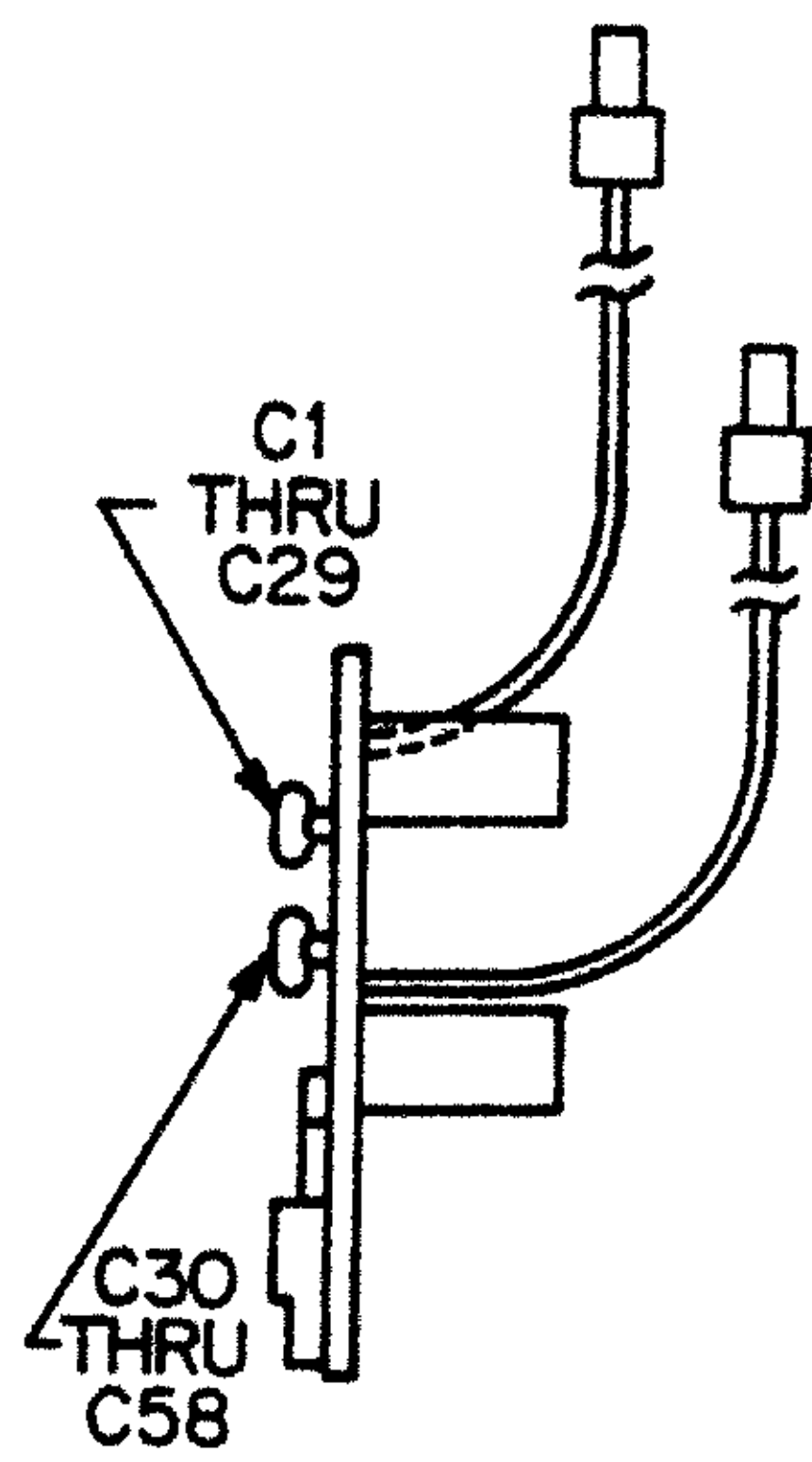
IDE VIEW

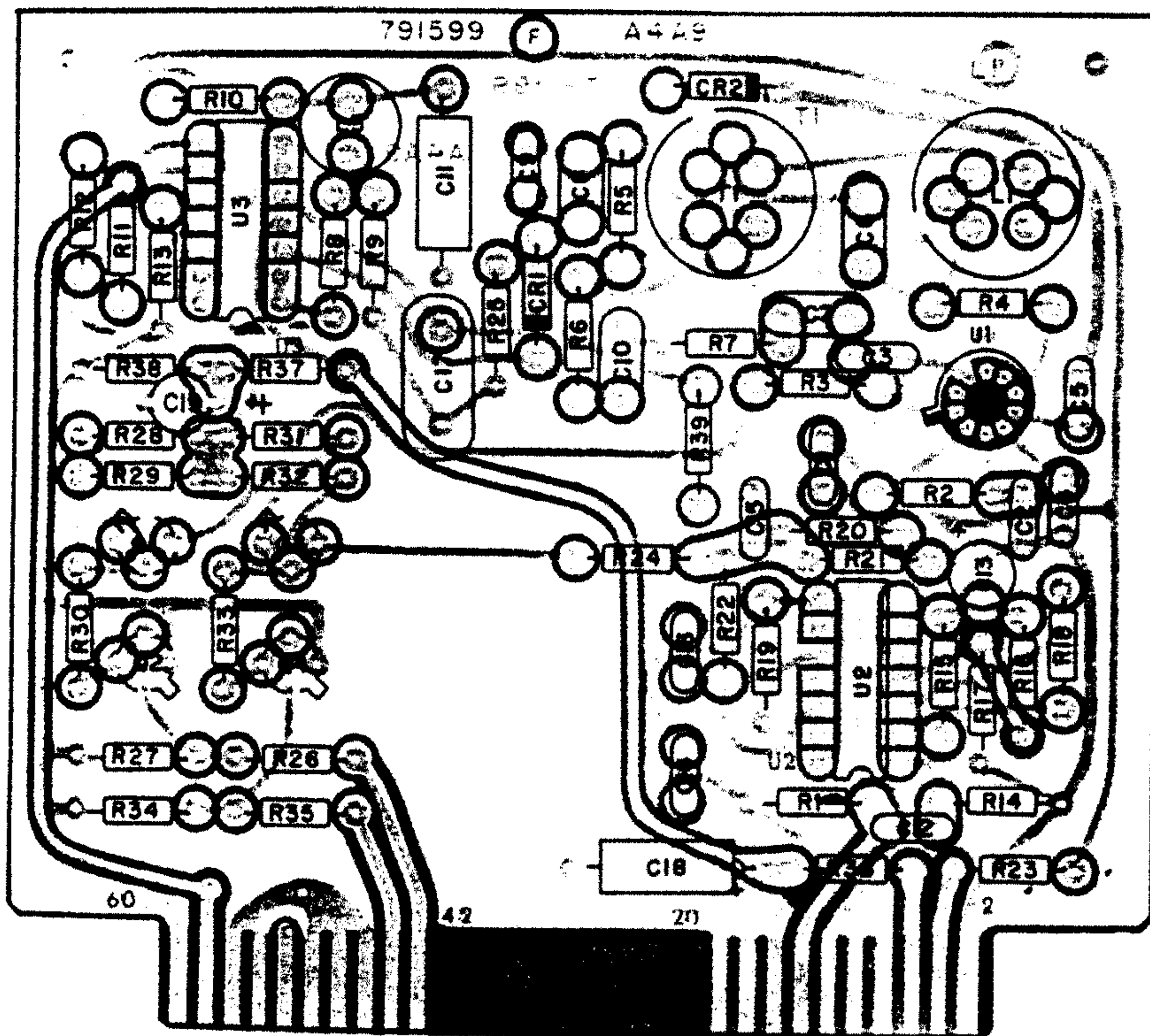


NOTES:

1. MOST MODULE PINS UNNECESSARY LINE PINS ON SOME MOD CAUSE OF COMPLEX DWG FOR CLARITY
2. EACH CAPACITOR R TO EACH "E" NO.
3. TEST POINT DESCR

TP1	N/U
TP2	1MHz REF OU
TP3	3RD LO OU
TP4	N/U
TP5	1ST LO UNL
TP6	1ST LO TUN
TP7	2ND LO MAIN
TP8	2ND LO 32.2
TP9	10kHz
TP10	2ND LO UNL
TP11	N/U
TP12	2ND LO 32M
TP13	2ND LO OUT
TP14	1kHz
TP15	BFO TUNING
TP16	BFO OUT
TP17	FIXED BFO
TP18	BFO INHIBIT





NOTES:

1. UNLESS OTHERWISE SPECIFIED:
a) RESISTORS
b) CAPACITORS
2. ENCIRCLE PART NUMBER
3. LEAD ARRANGEMENT
- * 4. IF DIFFICULT TO IDENTIFY, PART NUMBER SHOULD BE USED
5. DIFFERENT PARTS

DET



BOTTOM

TYPE
7915
7915
7915
(MECH)

OTHERWISE SPECIFIED
 IS IN OHMS $\pm 5\%$, 1/4W.
 CE IS IN μ F.
 NUMBERS ARE MODULE PINS.
 GEMENT OF IC'S-DETAIL A, B
 Y OF PROCUREMENT EXISTS
 3403P, PART LM 348N MAY
 ALTERNATE IN THIS APPLICATION.
 BETWEEN TYPES AS INDICATED IN TABLE A.

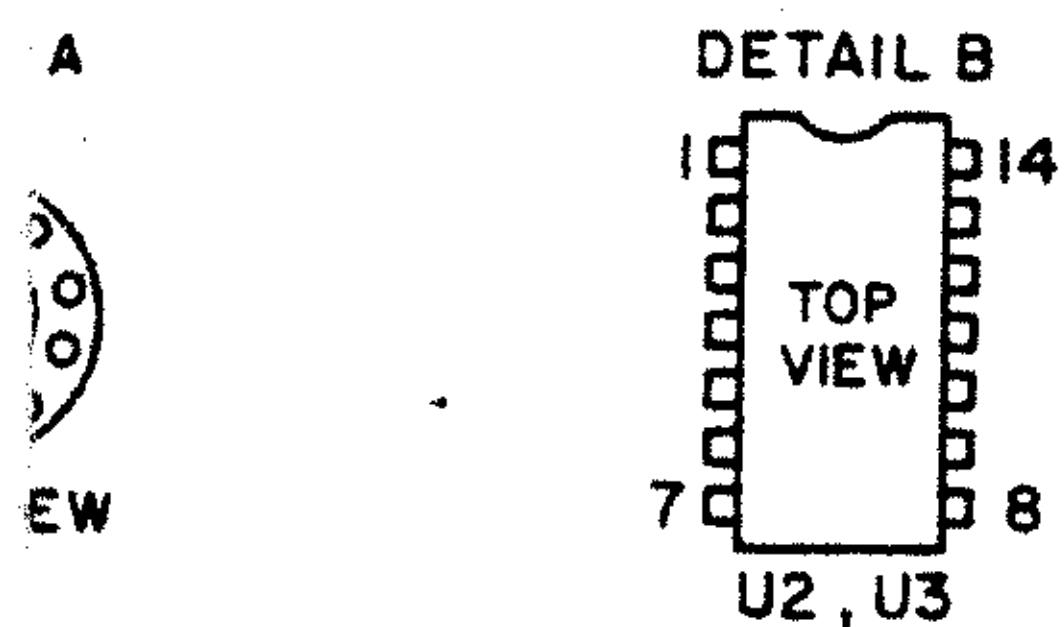
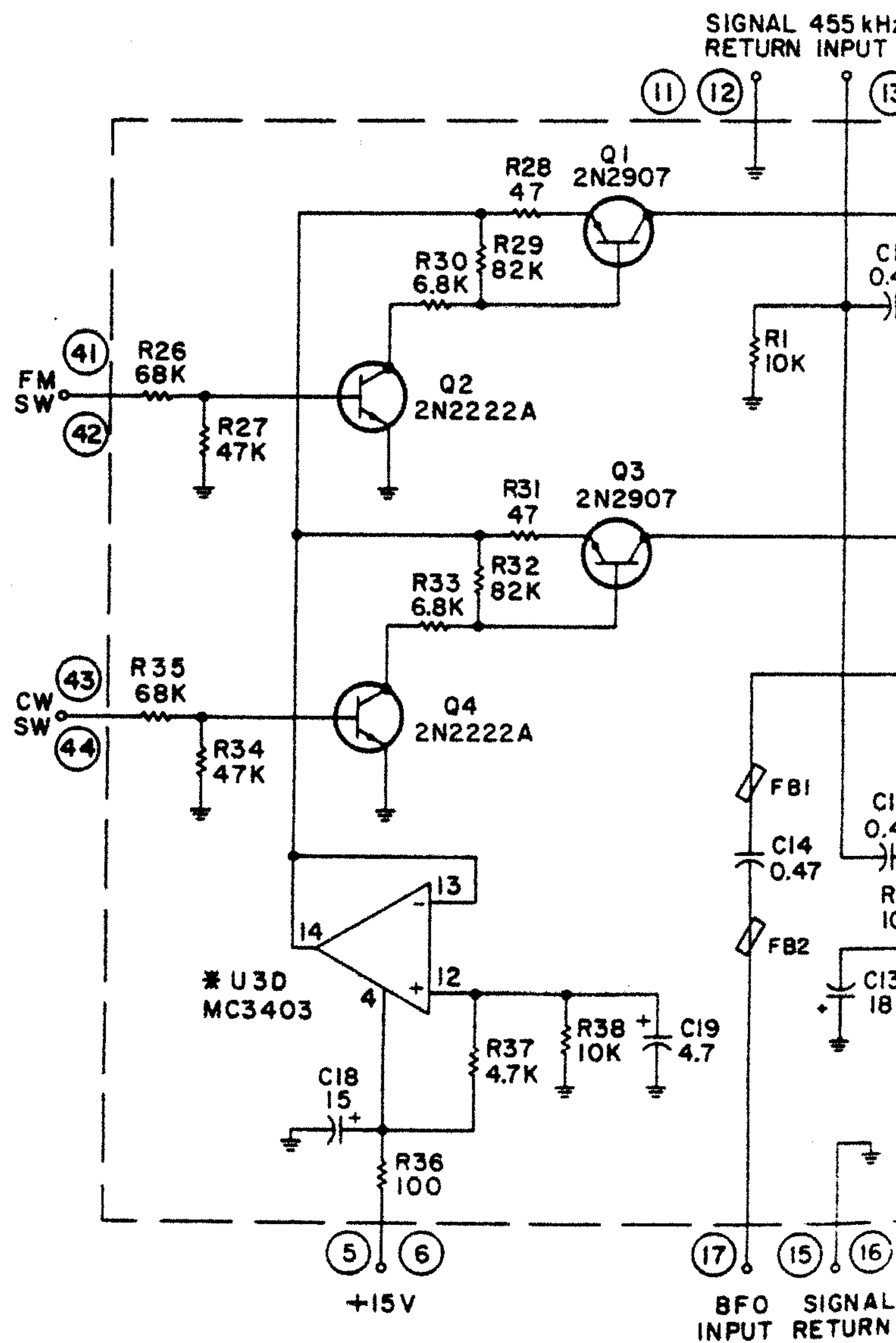


TABLE A

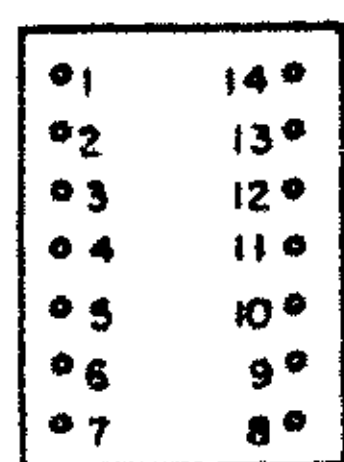
NO	C11	L3	R11
1	.015	47MH	470K
2	.0033	6.8MH	390K
3	.015	47MH	470K



NOTES:

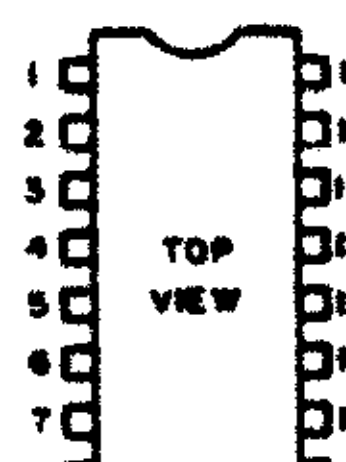
1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IS IN OHMS, $\pm 5\%$, 1/4W.
2. UIO PIN 18 IS +5V; UIO PIN 9 IS GND.
3. PIN ARRANGEMENT FOR ICs IS SHOWN IN DETAILS A-C.
4. DIFFERENCE BETWEEN TYPES IS MECHANICAL ONLY.

DETAIL A
U1-U7



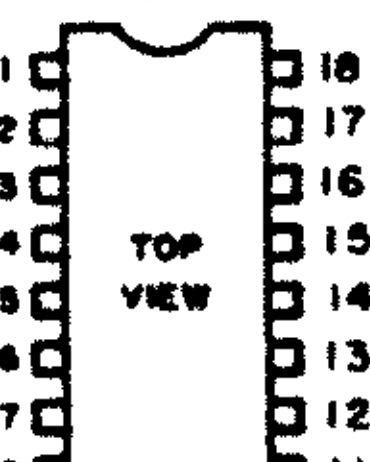
TOP VIEW

DETAIL B
U8, U9

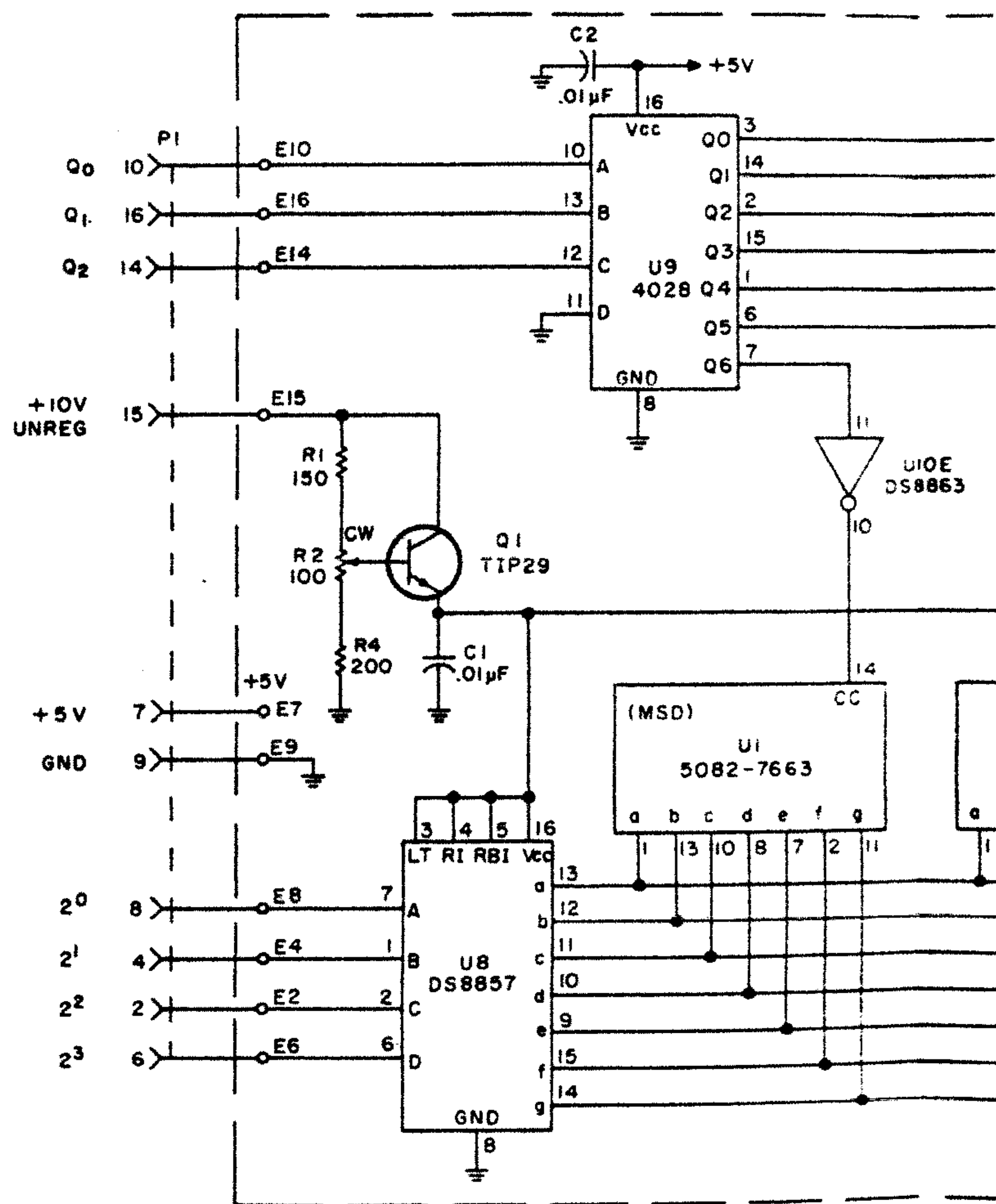


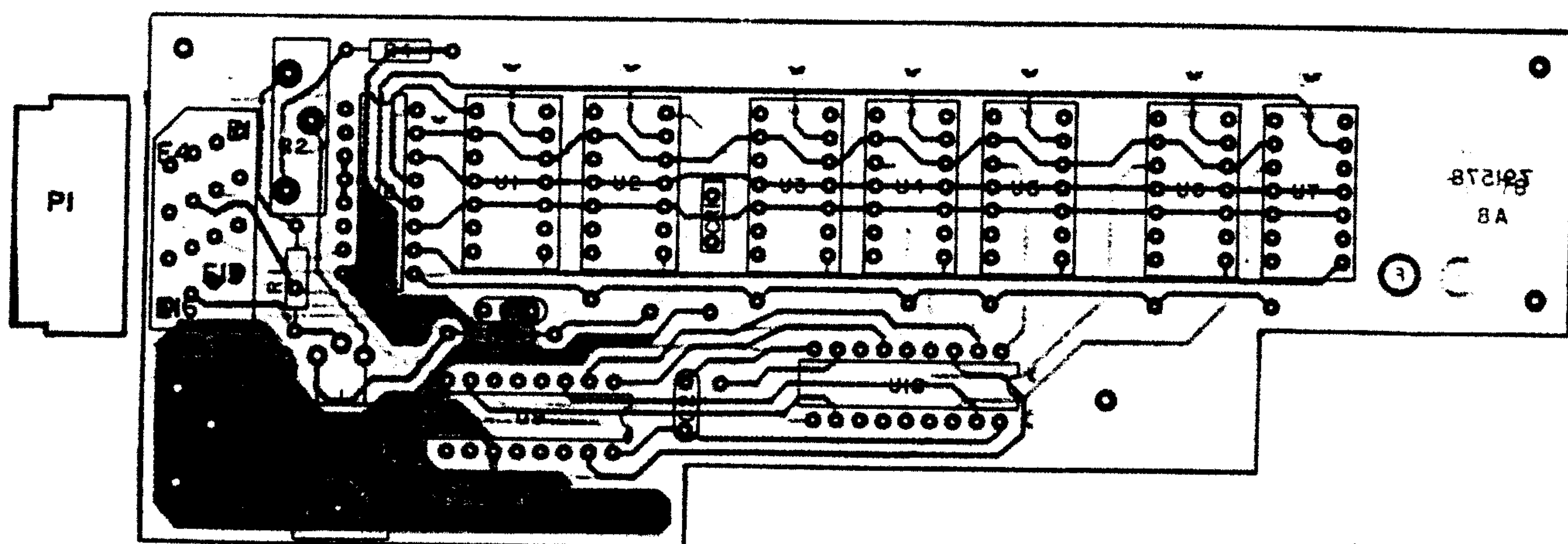
TOP VIEW

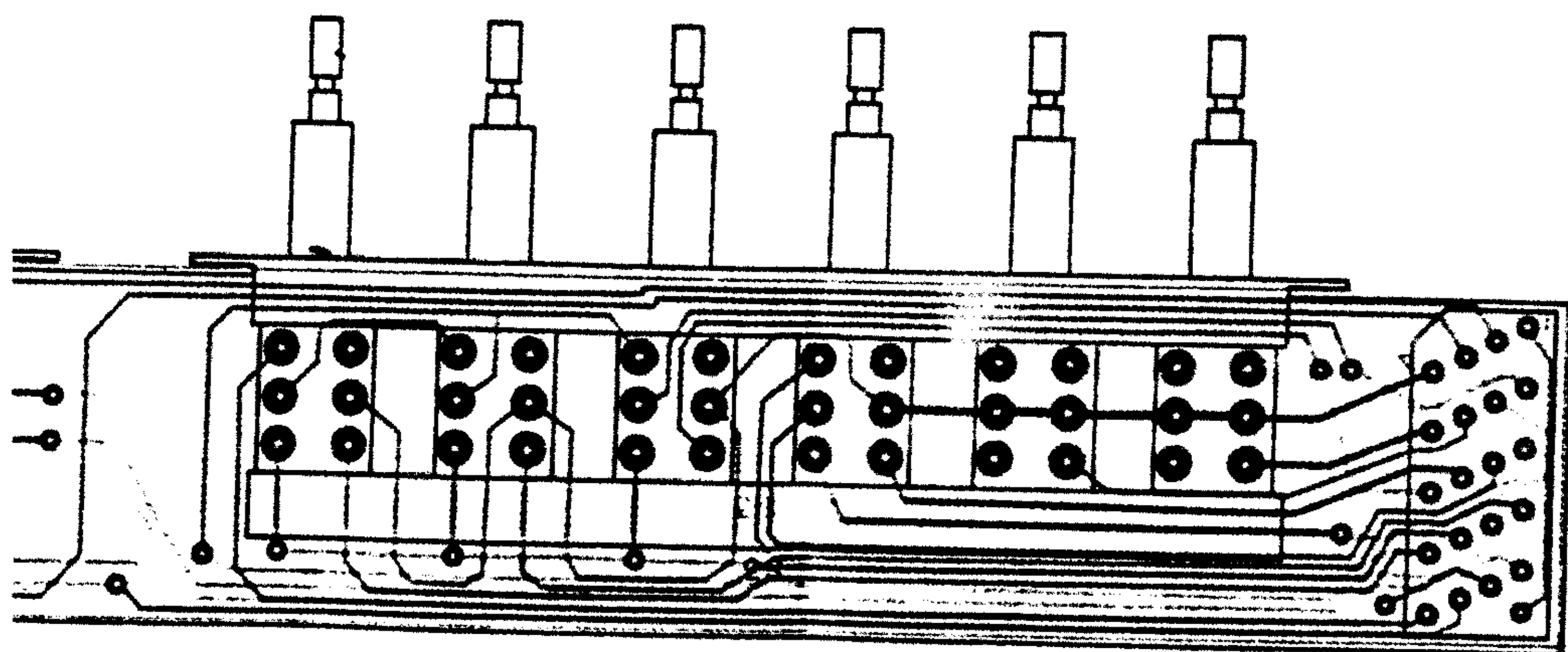
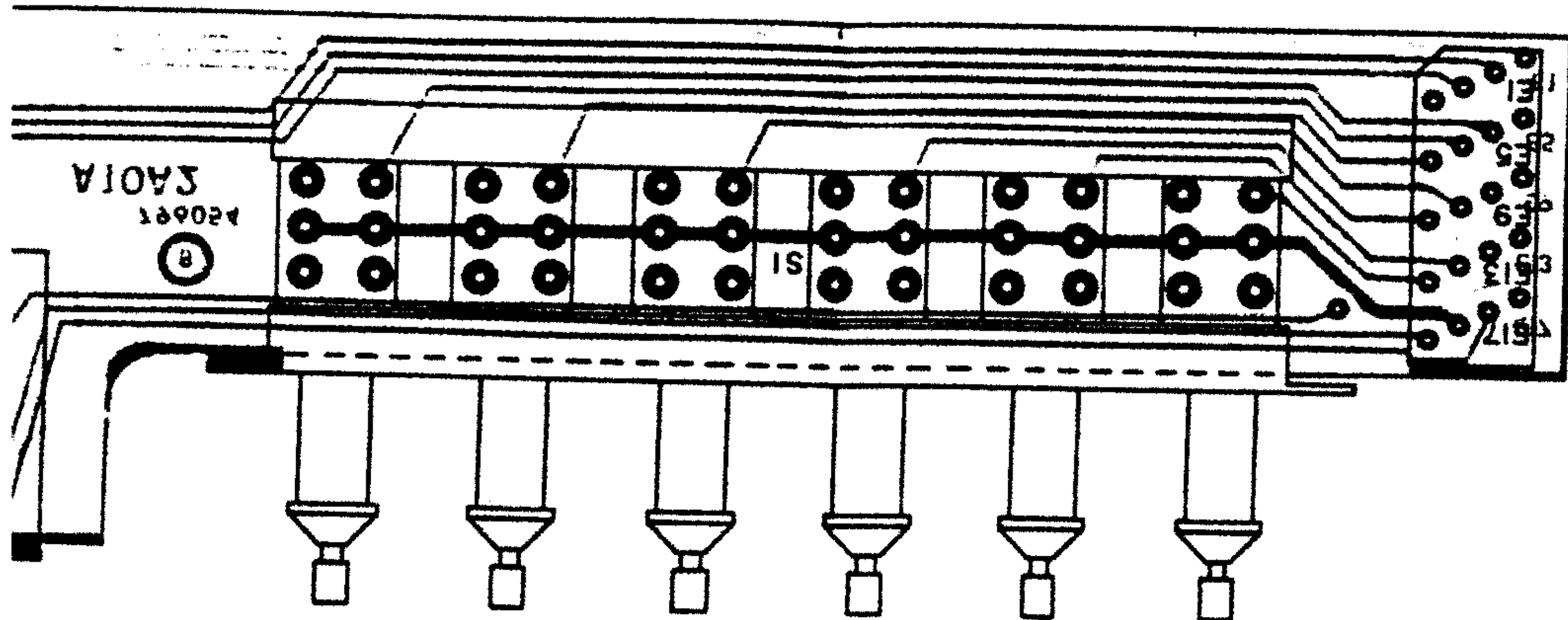
DETAIL C
U10

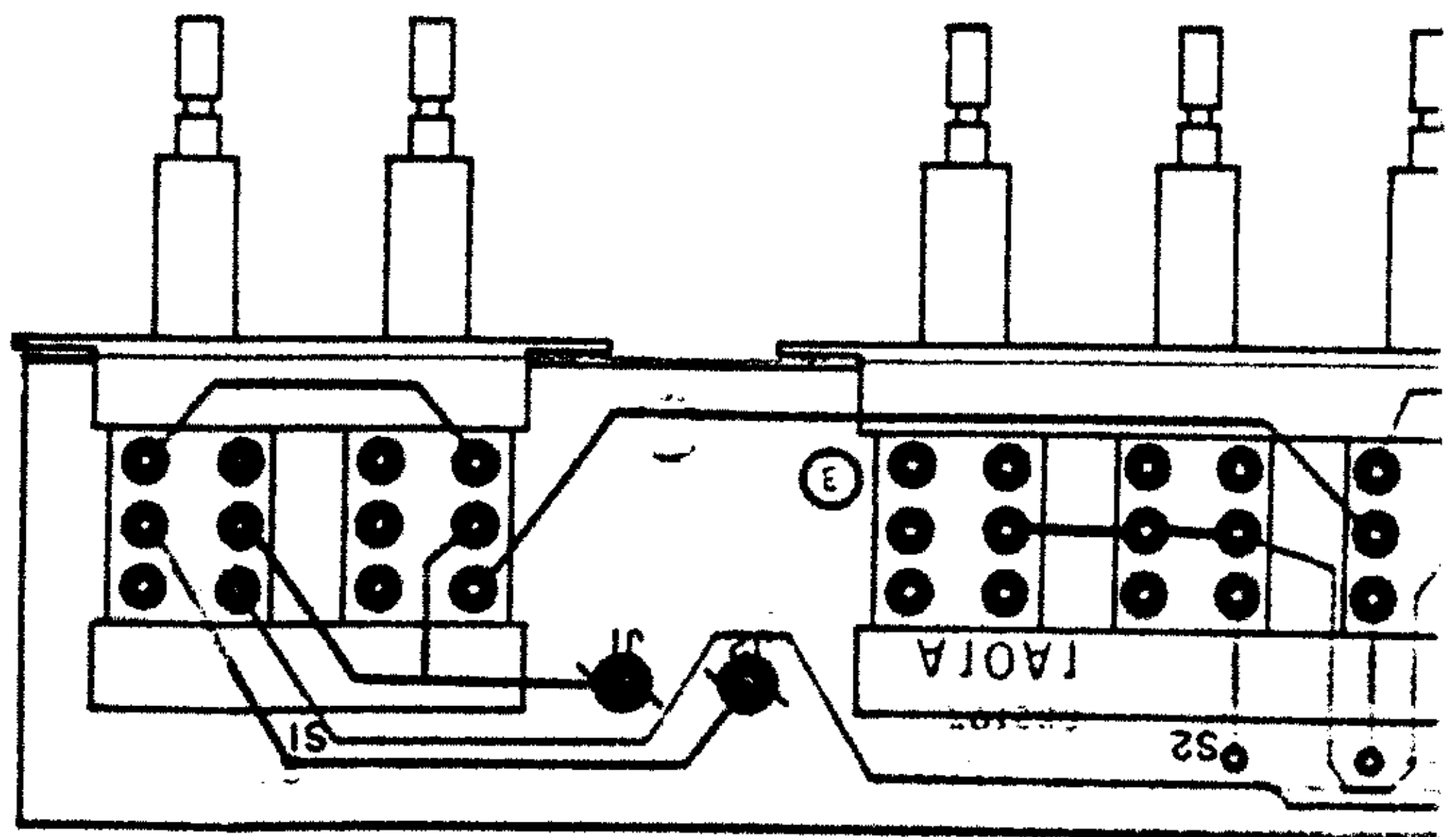
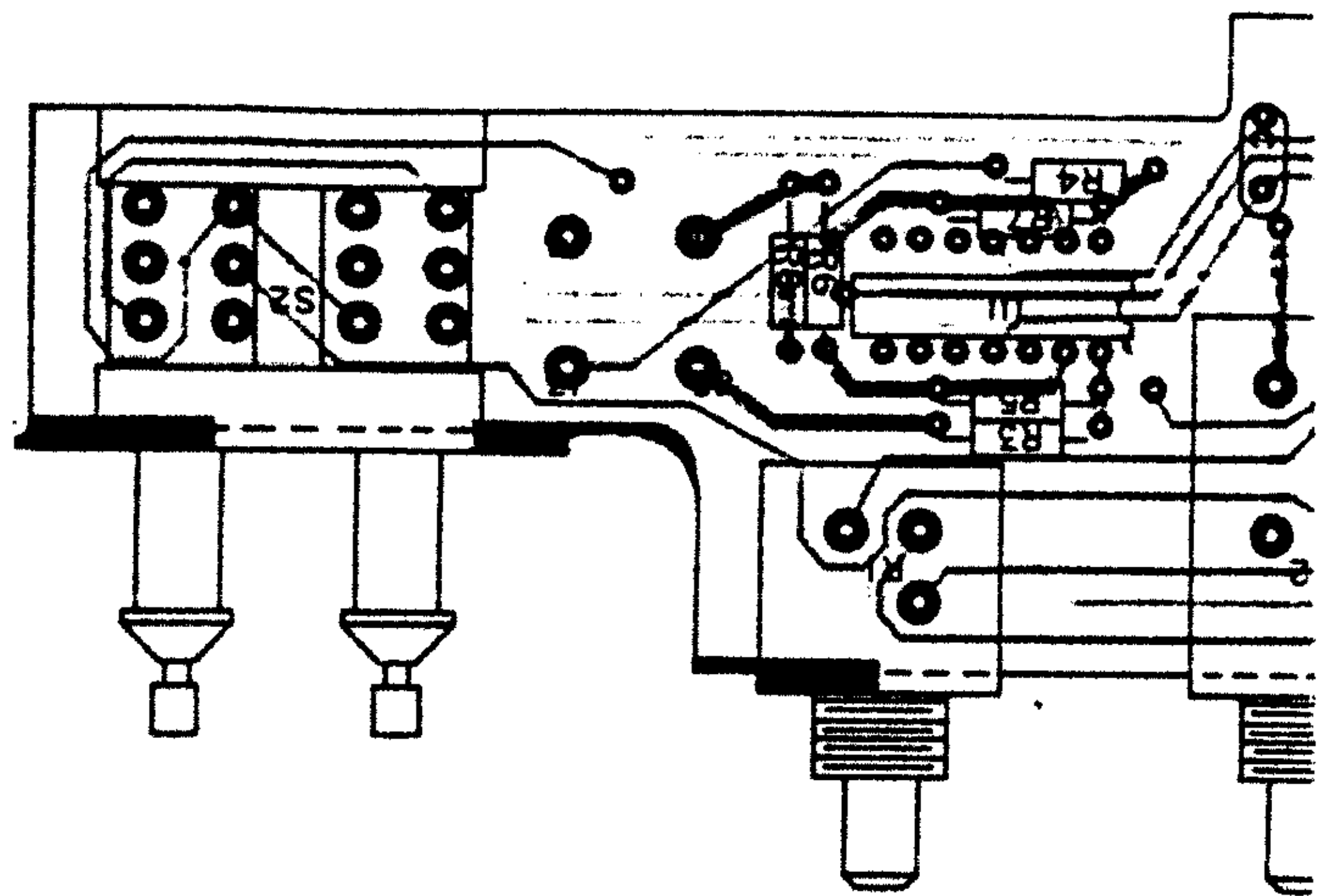


TOP VIEW





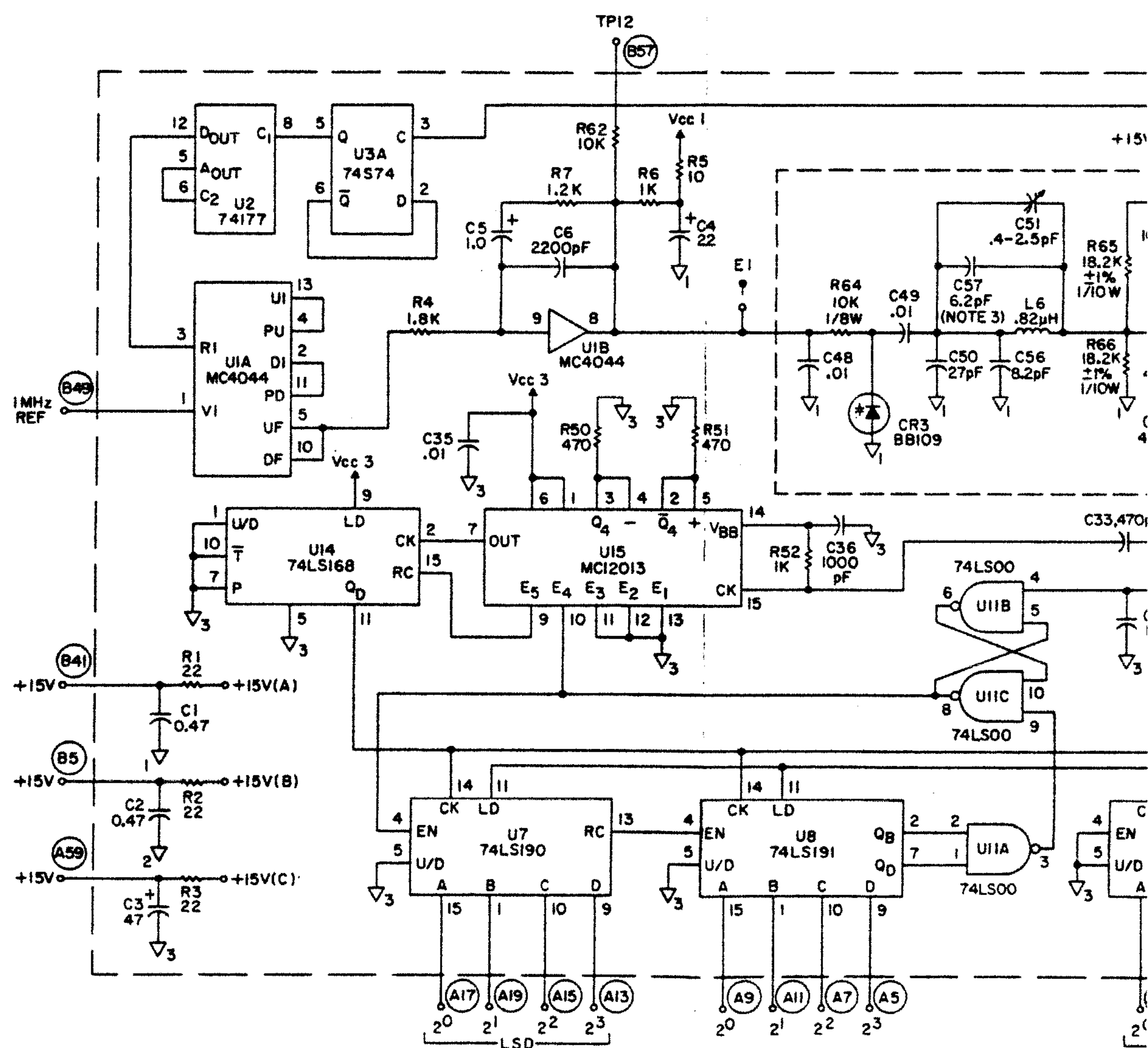


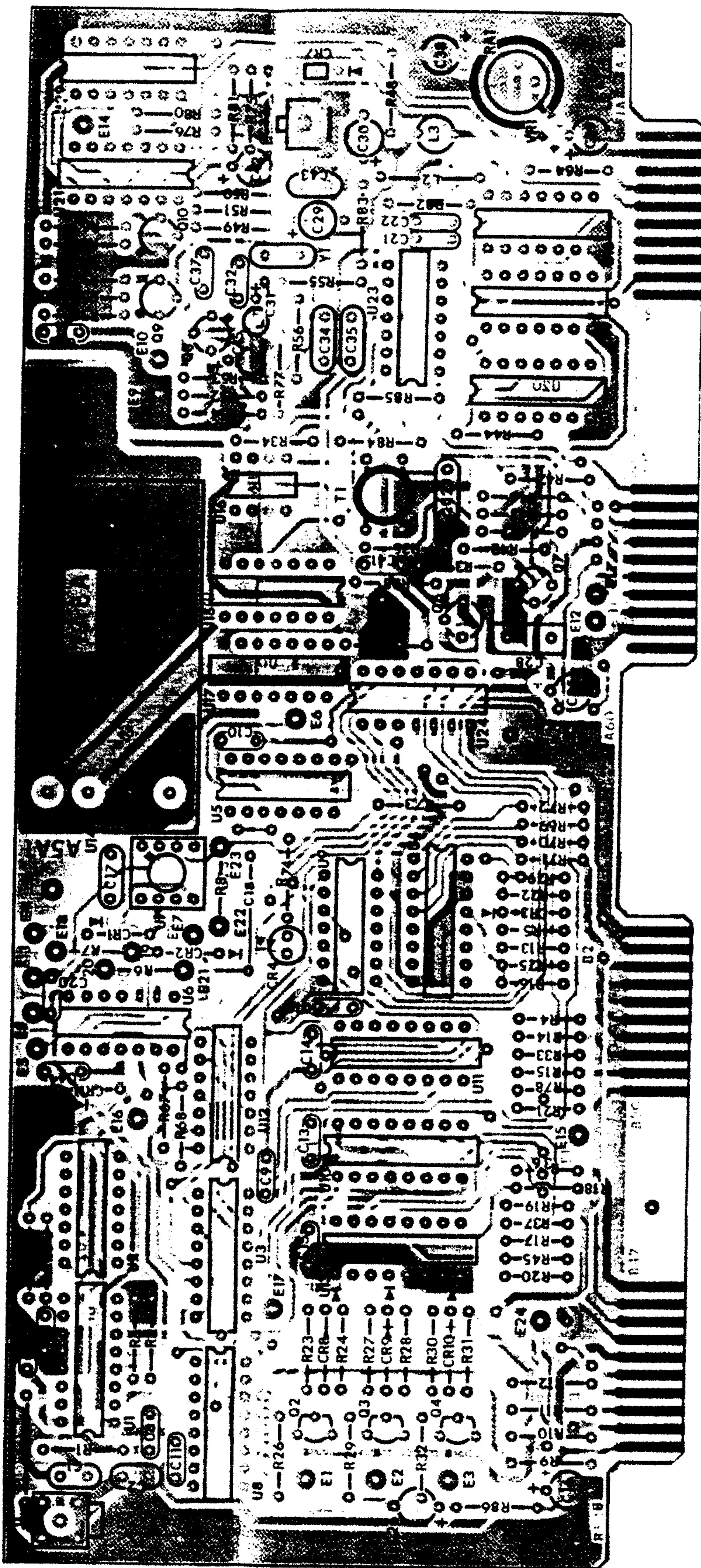


NOTES:

1. THIS SCHEMATIC IS A SUMMARY OF THE FRONT PANEL CIRCUITRY.
2. PHANTOM LINES INDICATE THE LOCATION OF THE FRONT PANEL CIRCUITRY.
3. AIOA1, AIOA2 ARE PART OF THE FRONT PANEL CIRCUITRY.
4. UNLESS OTHERWISE SPECIFIED, RESISTANCE IS IN OHMS.

V ₁	V _{CC2} PIN	V _{CC3} PIN	∇_1	∇_2	∇_3
			7		
			7		
			7		
	14			7	
		16			8
		16			8
		14			7
		14			7
		16			8
		16			8
		16			8
		14			7



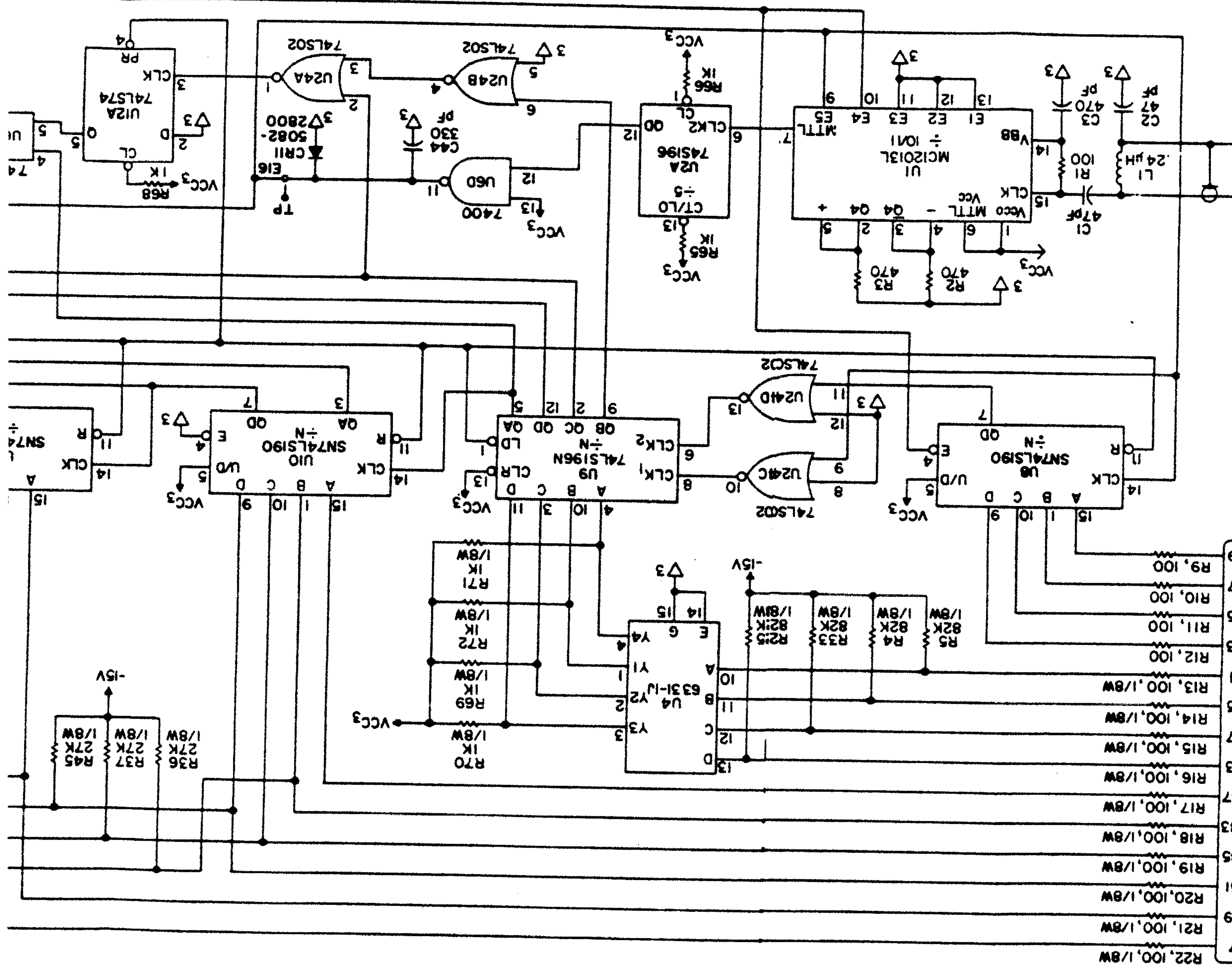


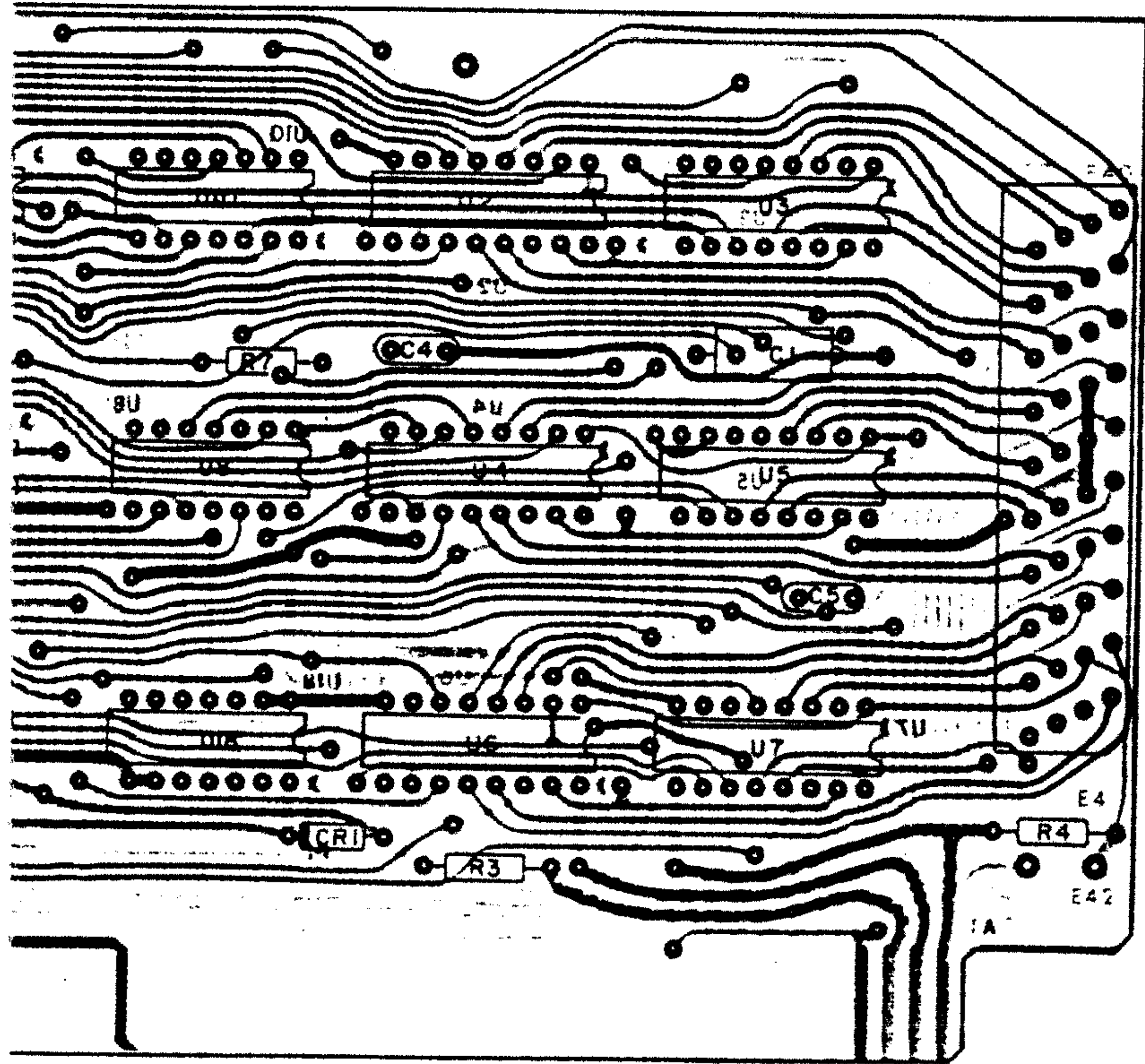
10 KHZ

100 KHZ

1 MHZ

10 MHZ





NOTES:

1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IS IN OHMS $\pm 5\%$, 1/4 W
2. POWER CONNECTIONS AND PIN ARRANGEMENTS FOR ICs ARE GIVEN IN TABLE 2
3. ENCIRCLED NUMBERS ARE MODULE PIN NUMBERS
4. REMOVE JUMPER BETWEEN E42 AND E41 FOR E ACTIVATED REMOTE CONTROL. THE PRESENSE PROVIDES FRONT-PANEL ACTIVATED REMOTE CONTROL
5. DIFFERENCE BETWEEN TYPES IS SHOWN IN TABLE 3

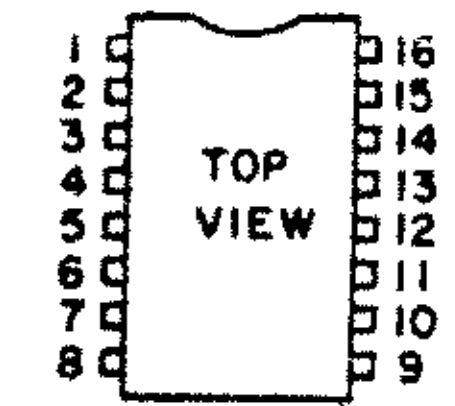
TABLE 2

IC	VDD PIN	VDD2 PIN	GND PIN	DETAIL
U1, U8, U18		14	7	B
U2-U7, U9, U12-U15		16	8	A
U10, U11	14		7	B
U16	16		8	A
U17	1		8	A

TABLE 3

TYPE NO	J1 (RMT IN)
791575-1	OMIT
791575-2	AS SHOWN
791575-3	AS SHOWN
791575-4	AS SHOWN
791575-5	AS SHOWN

DETAIL-A



DETAIL-B

