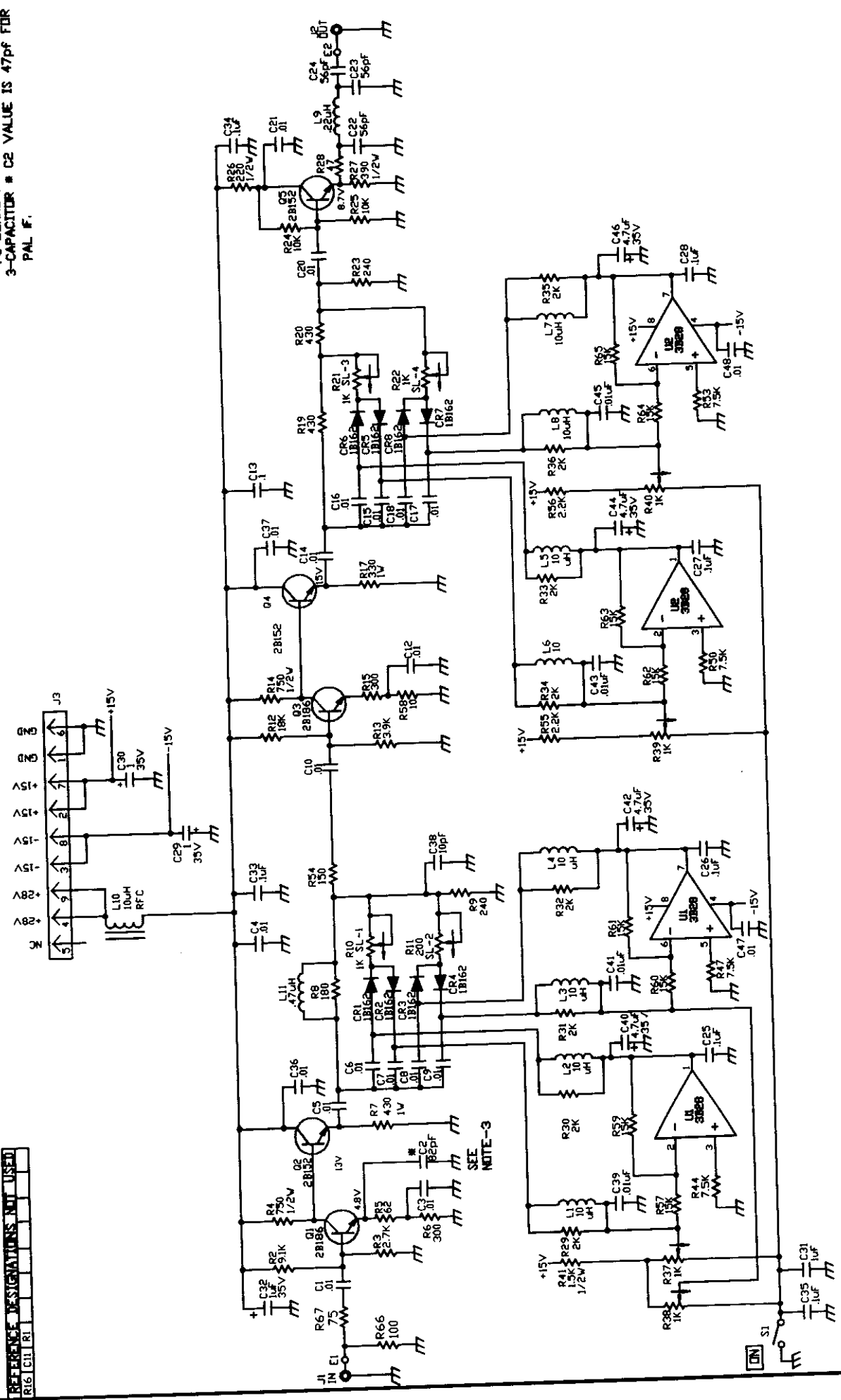


NOTES: 1-ALL CAPACITORS ARE VALUED IN UF.
2-CONNECTORS J1 & J2 ARE NOT ON PC BOARD ASSY.
3-CAPACITOR # C2 VALUE IS 47pf FOR PAL F.

HIGHEST REFERENCE DESIGNATIONS	
C48	IC81R671
C49	IC81R671
REFERENCE DESIGNATIONS NOT USED	
R16	IC11 R1

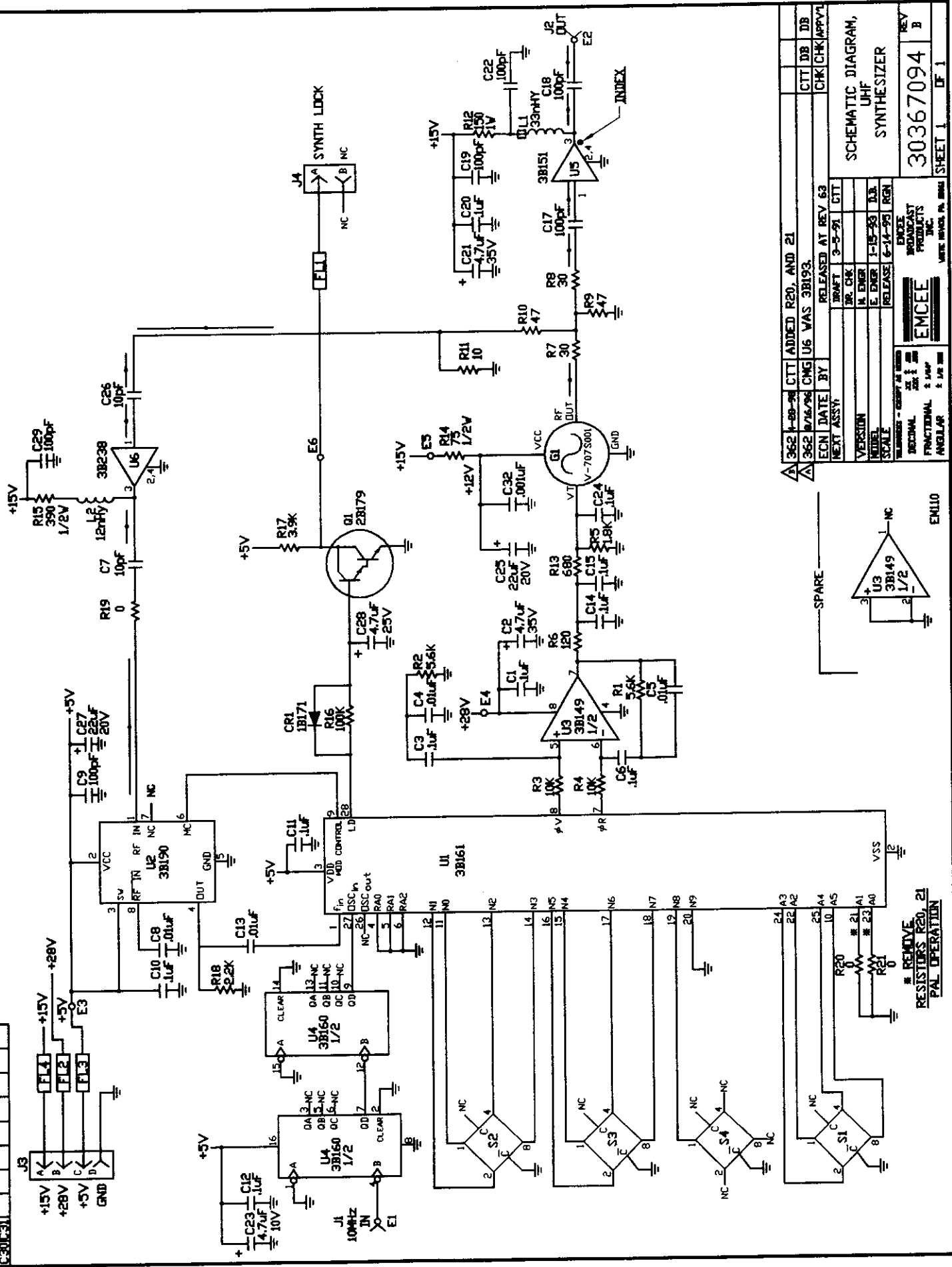


SEE NOTE-3

ECN	DATE	BY	RELEASED AT	REV
			6040	1
NEXT ASSY				
DRAWN				
CHKD				
APPV				
VERSION				
MODEL				
SCALE				
ELECTRONICS				
COMMUNICATIONS				
INC.				
30367078				
SHEET 1 OF 1				

SCHEMATIC DIAGRAM
LINEARIZER

HIGHEST REFERENCE DESIGNATIONS
 033 U6 R21 G1 S4 I4 I56 I18 C8 I14 Q1
 REFERENCE DESIGNATIONS NOT USED
 030 I3 I1



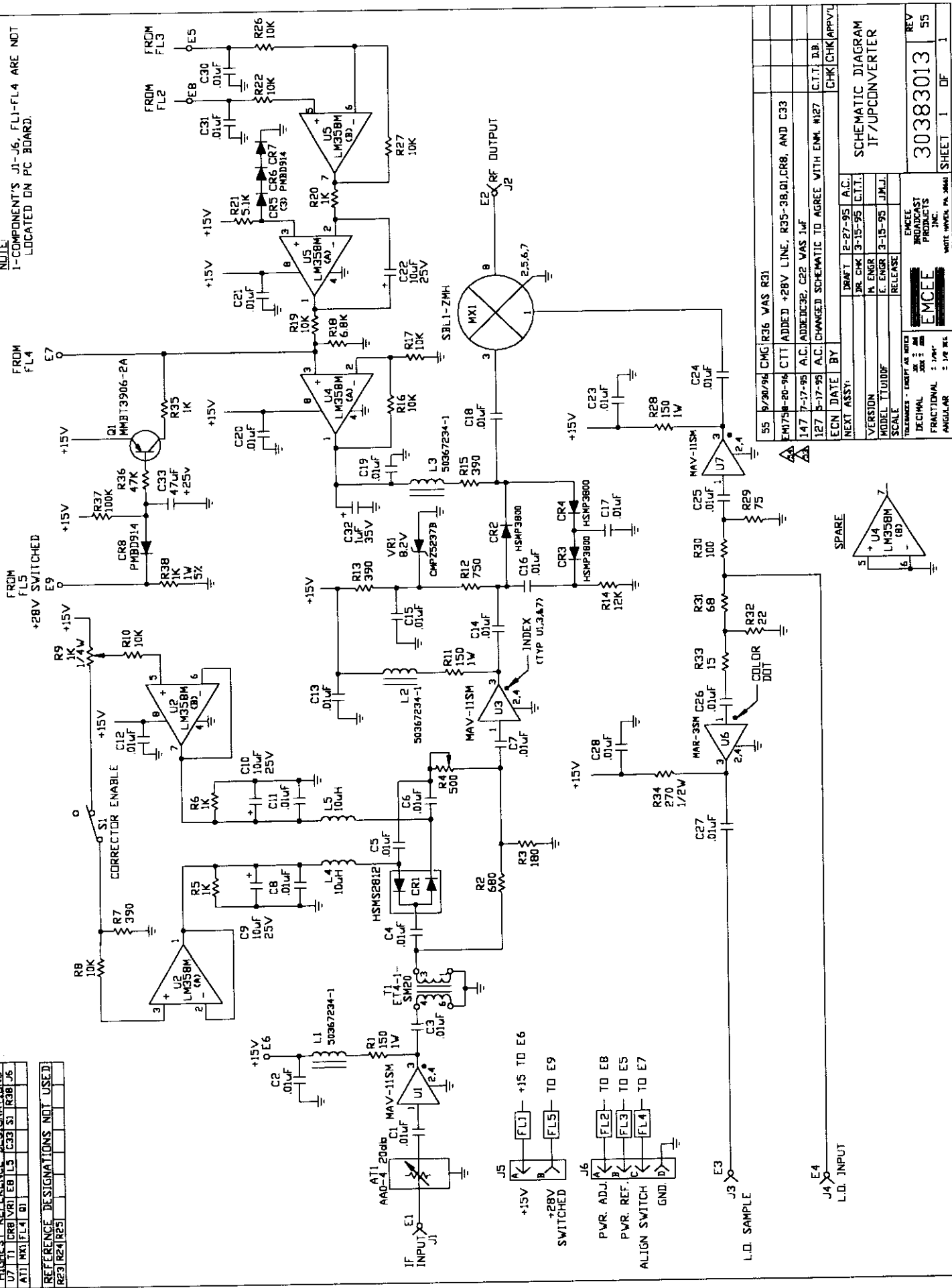
362	4-28-90	CTI	ADDED R20, AND 21			CTI	DB	DB
362	8/16/90	CMG	U6 WAS 38193.			CTI	CHK	CHK/APPV1
EON			DATE	BY	RELEASED AT REV 63			
NEXT ASSY:			DRAFT		3-5-91	CTI		
VERSION			DR. CHK					
			M. ENGR					
MODEL			E. ENGR		1-15-93	D.B.		
SCALE			RELEASE		6-14-95	RGN		
TEL. COMMENTS - CHECK FOR ISSUES			25		25		REV	
			25		25		B	
FRACTIONAL			5 INCH		30367094			
ANGULAR			5 INCH		SHEET 1 OF 1			
					SCHEMATIC DIAGRAM, UHF SYNTHESIZER			

SCHEMATIC DIAGRAM,
 UHF
 SYNTHESIZER

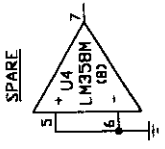
HIGHEST REFERENCE DESIGNATIONS									
U7	T1	CR8	VR1	EB	L3	C33	S1	CR38	J6
AT1	MX1	FL4	Q1						

REFERENCE DESIGNATIONS NOT USED									
R23	R24	R25							

NOTE:
1-COMPONENT'S J1-J6, FL1-FL4 ARE NOT
LOCATED ON PC BOARD.



S5	9-30/96	CMC	R36	VAS	R31				
EM1758	20-96	CTI	ADDED	+28V	LINE	R35-38, Q1, CR8, AND C33			
147	7-17-95	A.C.	ADDED	C32	WAS	1uF			
127	5-17-95	A.C.	CHANGED	SCHEMATIC	TO	AGREE WITH ENH. M127			
ECN DATE BY							CHK	CHK	APPRVL
NEXT ASSY:									
VERSION	2-27-95	A.C.							
MODEL	3-15-95	CTI							
SCALE	3-15-95	JML							
TOLERANCES - EXCEPT AS NOTED									
DECIMAL	1/100"								
FRACTIONAL	1/100"								
ANGULAR	1/16"								



SCHEMATIC DIAGRAM
IF/UPCONVERTER

30383013
REV 55

EMCEE
EMCEE ELECTRONIC
PRODUCTS
INC.
WHITE HAVEN, PA. 18661

SHEET 1 OF 1

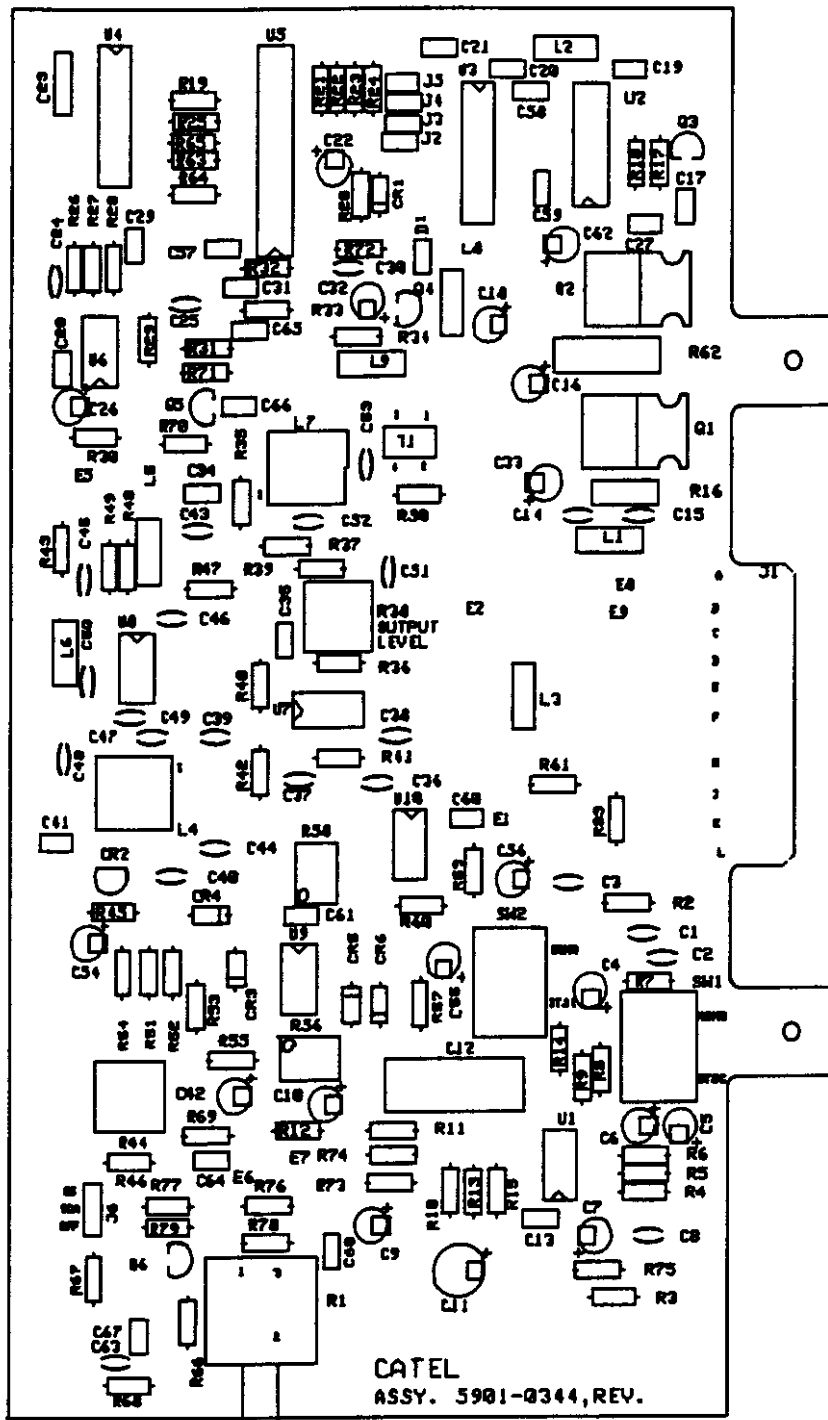


Figure 5-2
PCB Parts Location Diagram
Audio Modulator

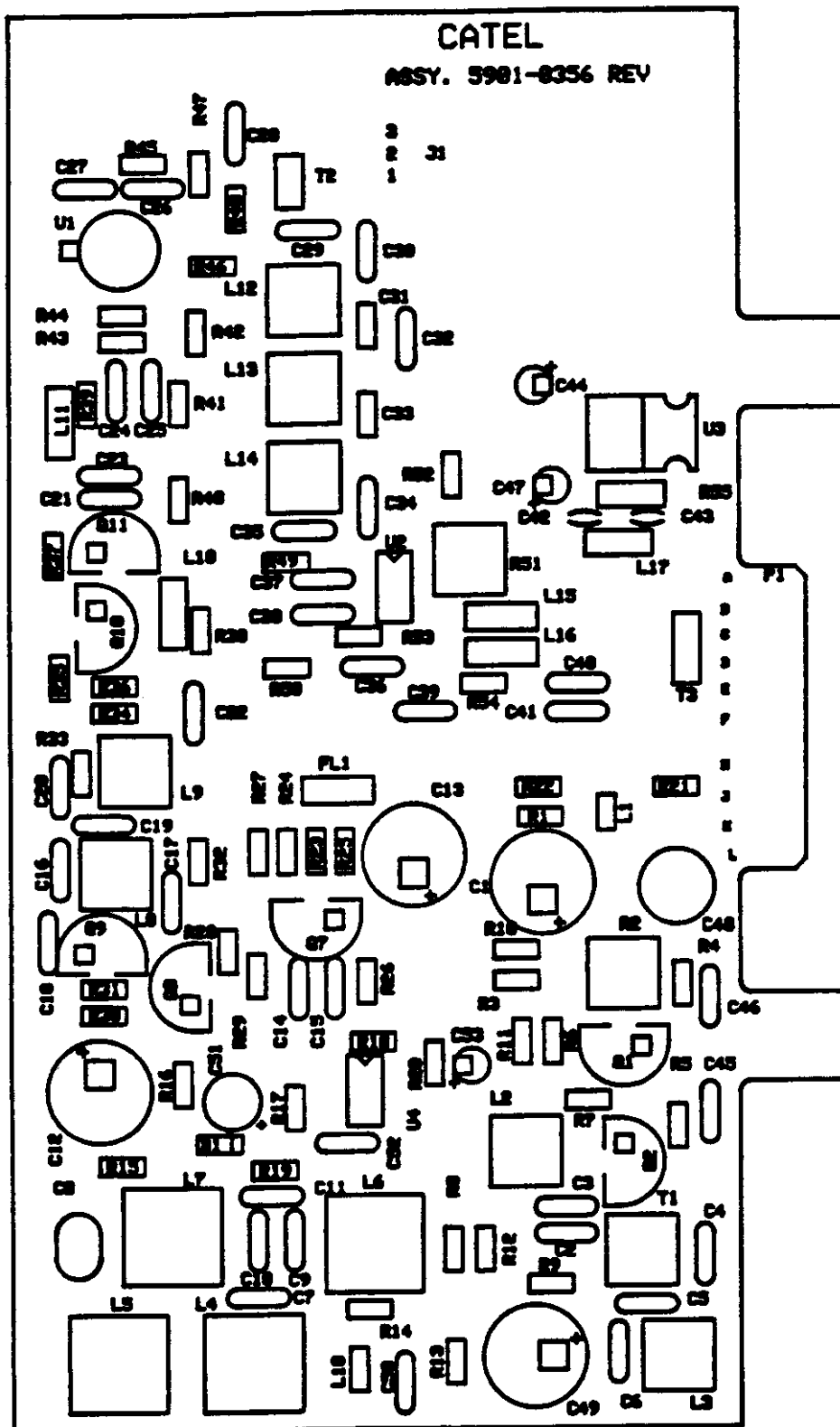
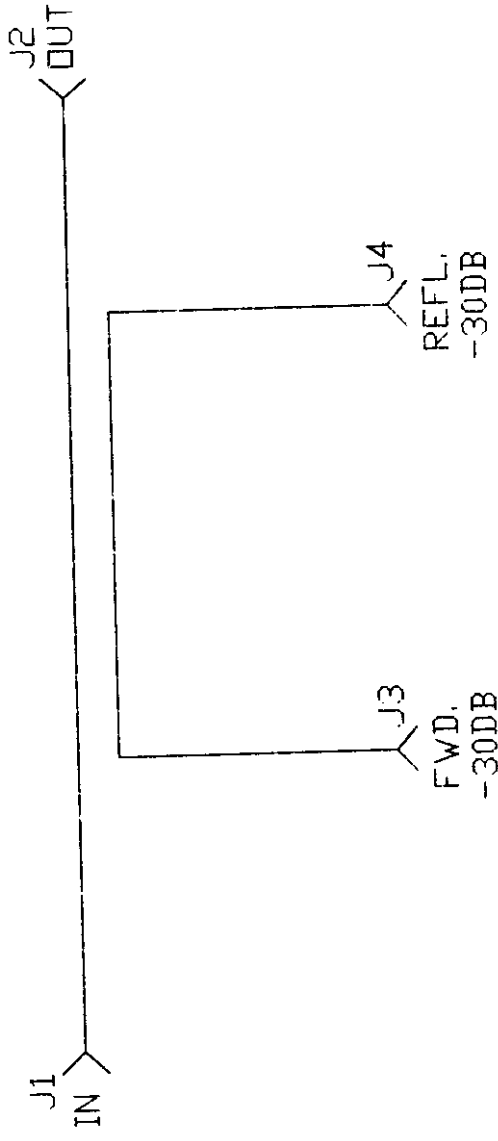
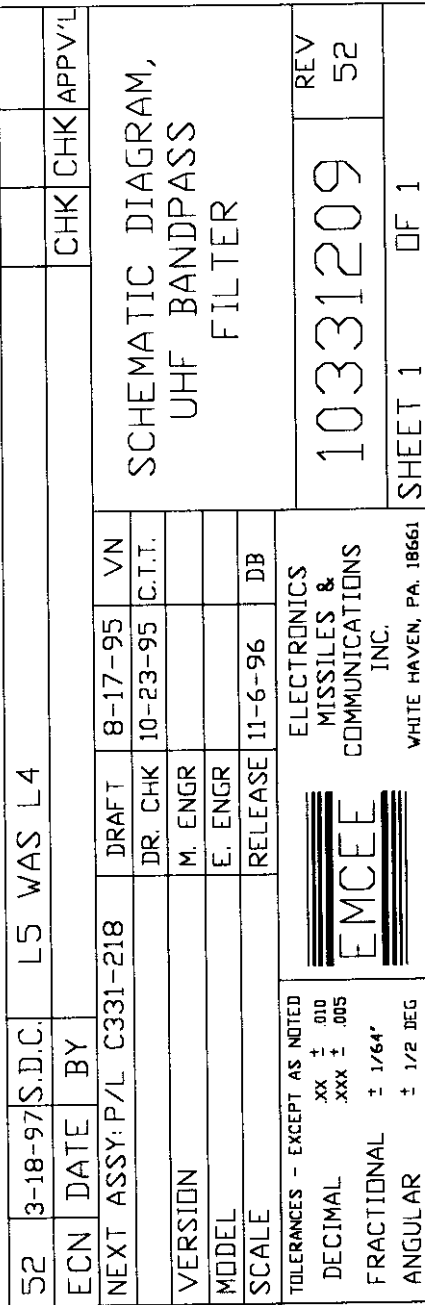


Figure 5-4
PCB Parts Location Diagram
Aural Subcarrier Processor



52	12-21-95	AC	J3 WAS OUT TO DETECTOR FWD. J4 WAS OUT TO DETECTOR REFL.		CHK	CHK	APPV'L
ECN	DATE	BY					
NEXT ASSY:			DRAFT	10-24-95	VN		
			DR. CHK	12-27-95	CJJ		
VERSION			M. ENGR				
MODEL			E. ENGR				
SCALE			RELEASE				
TOLERANCES - EXCEPT AS NOTED			ELECTRONICS MISSILES & COMMUNICATIONS INC.				
DECIMAL XX ± .010 XXX ± .005			EMCEE				
FRACTIONAL ± 1/64"			WHITE HAVEN, PA. 18661				
ANGULAR ± 1/2 DEG			SHEET 1 OF 1				
SCHEMATIC DIAGRAM, METERING COUPLER						10199178	REV 52



52	3-18-97	S.D.C.	L5 WAS L4						
ECN	DATE	BY					CHK	CHK	APPV'L
NEXT ASSY: P/L C331-218				DRAFT	8-17-95	VN	SCHEMATIC DIAGRAM, UHF BANDPASS FILTER		
				DR. CHK	10-23-95	C.T.T.			
VERSION				M. ENGR					
MODEL				E. ENGR					
SCALE				RELEASE	11-6-96	DB			
TOLERANCES - EXCEPT AS NOTED				ELECTRONICS MISSILES & COMMUNICATIONS INC.			REV		
DECIMAL				XX ± .010 XXX ± .005			10331209		
FRACTIONAL				± 1/64"			52		
ANGULAR				± 1/2 DEG			SHEET 1 OF 1		

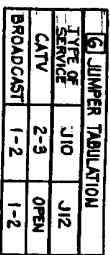


Figure 4-4
Schematic Diagram, Video Modulator
4 of 4

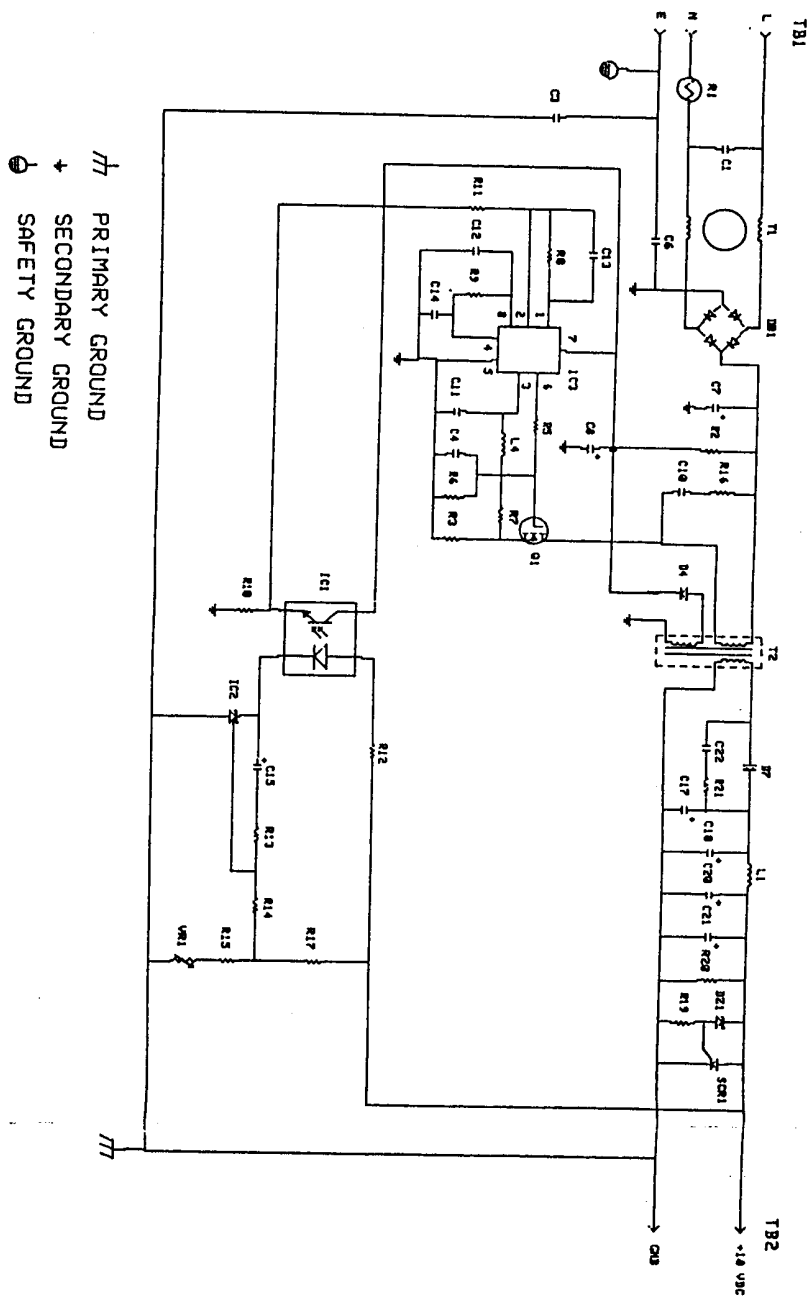


Figure 4-1
Schematic Diagram, Power Supply

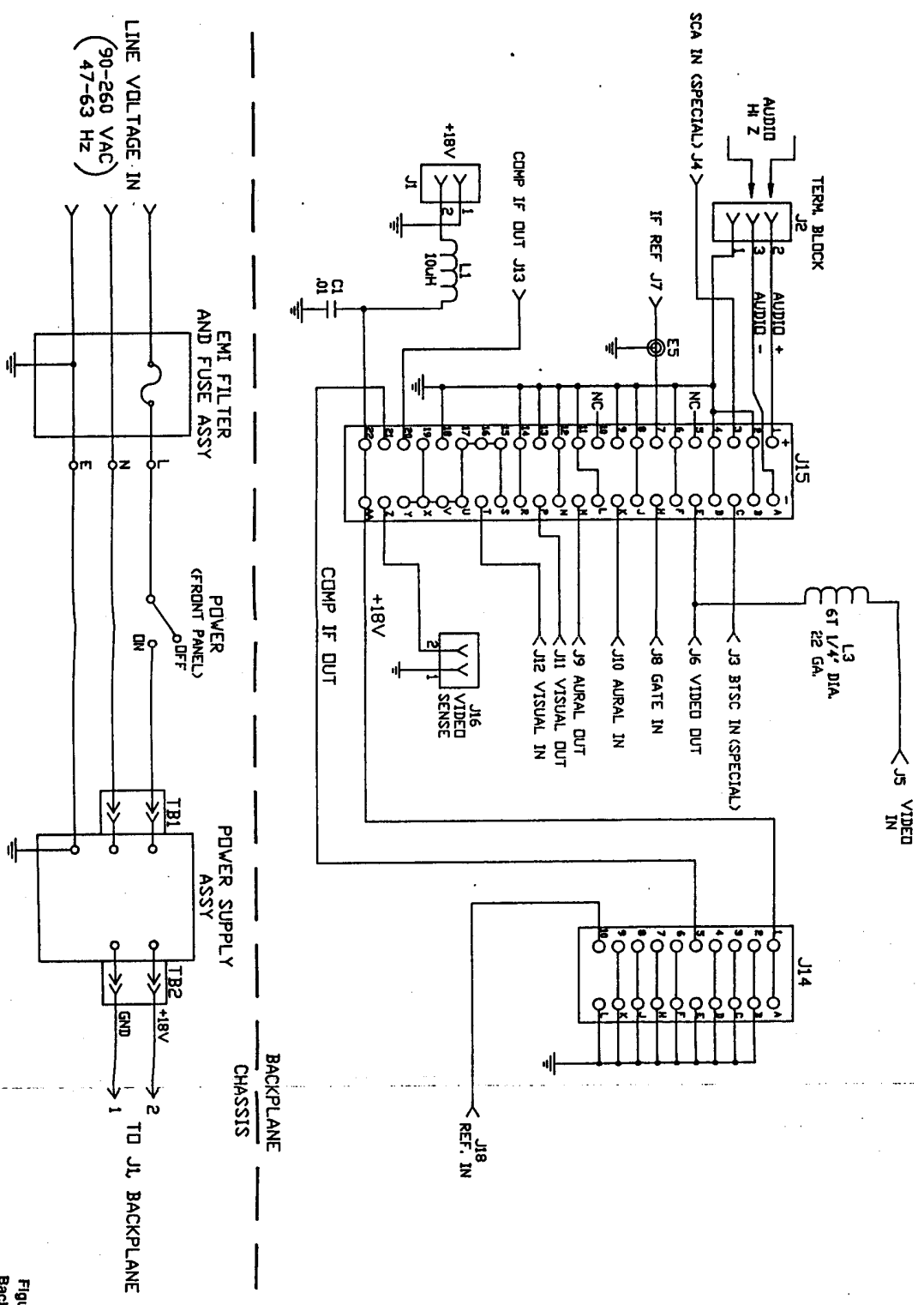
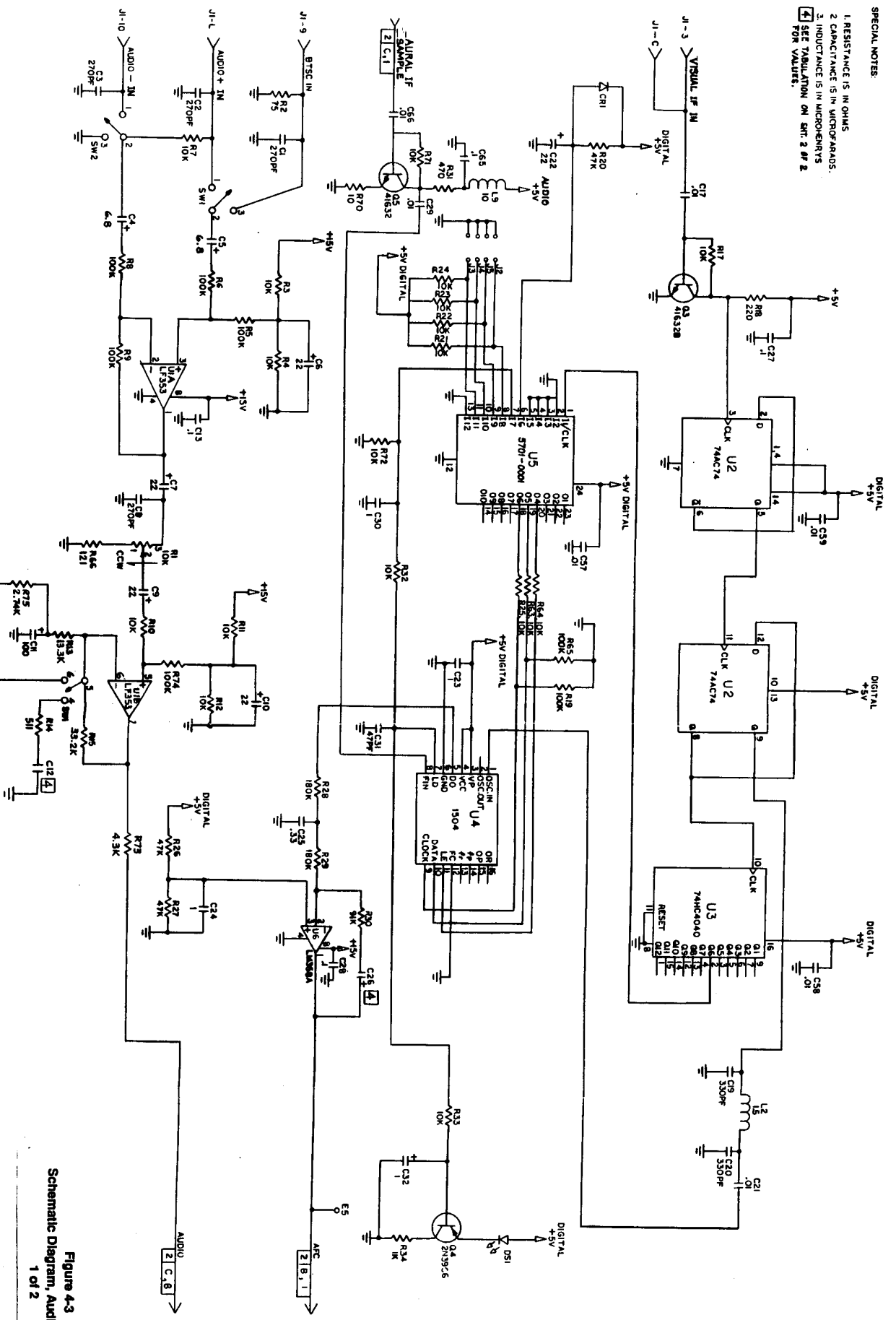
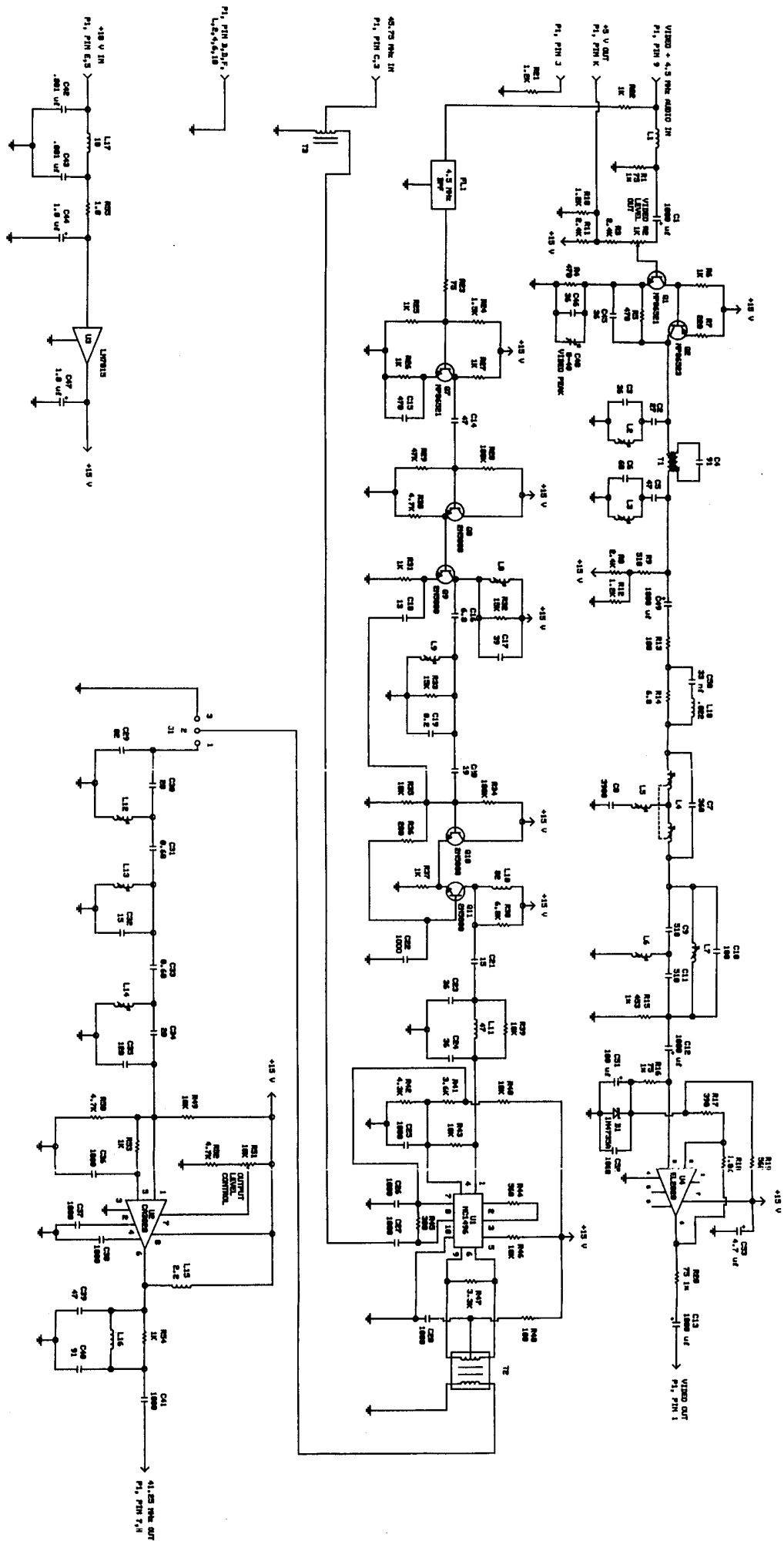


Figure 4-2
Back Plane



SPECIAL NOTES:
 1. RESISTANCE IS IN OHMS.
 2. CAPACITANCE IS IN MICROFARADS.
 3. INDUCTANCE IS IN MICROHENRYS.
 4. SEE TABULATION ON SPT. 2 # 2 FOR VALUES.

Figure 4-3
 Schematic Diagram, Audio Modulator
 1 of 2



NOTE:
1. VALUE OF COMPONENTS IN CAPS.
PROGRAMME OR MICROPROCESSOR.

Figure 4-7
Schematic Diagram
Aural Subcarrier Processor

SPECIAL NOTES:

1. RESISTANCE IS IN OHMS, μ W, Ω .
2. CAPACITANCE IS IN PICOFARADS.
3. INDUCTANCE IS IN MICROHENRIES.
4. ASSEMBLIES WITHOUT BASEPAID ENCODER MUST HAVE JUMPER J2, 1-2.
5. SEE TABULATION CHART SHT. 2.
6. SEE JUMPER TABULATION ON SHT. 4.

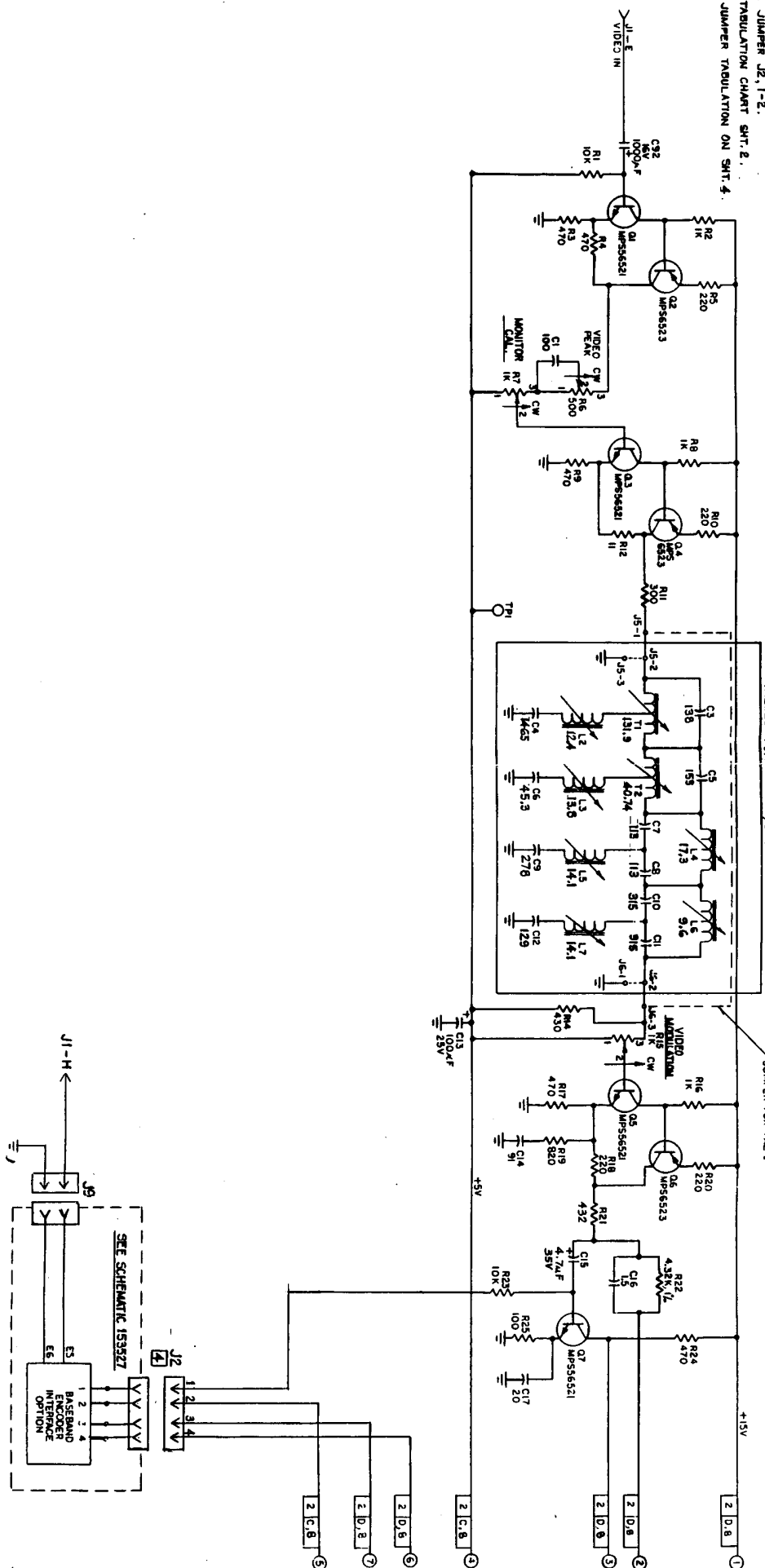


Figure 4-4
Schematic Diagram, Video Modulator
1 of 4

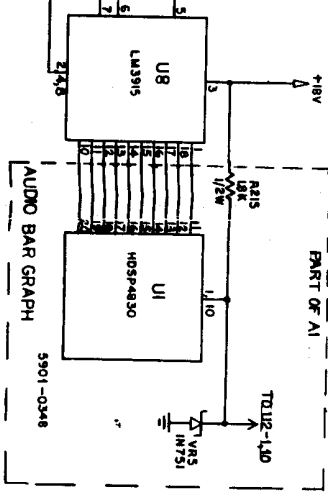
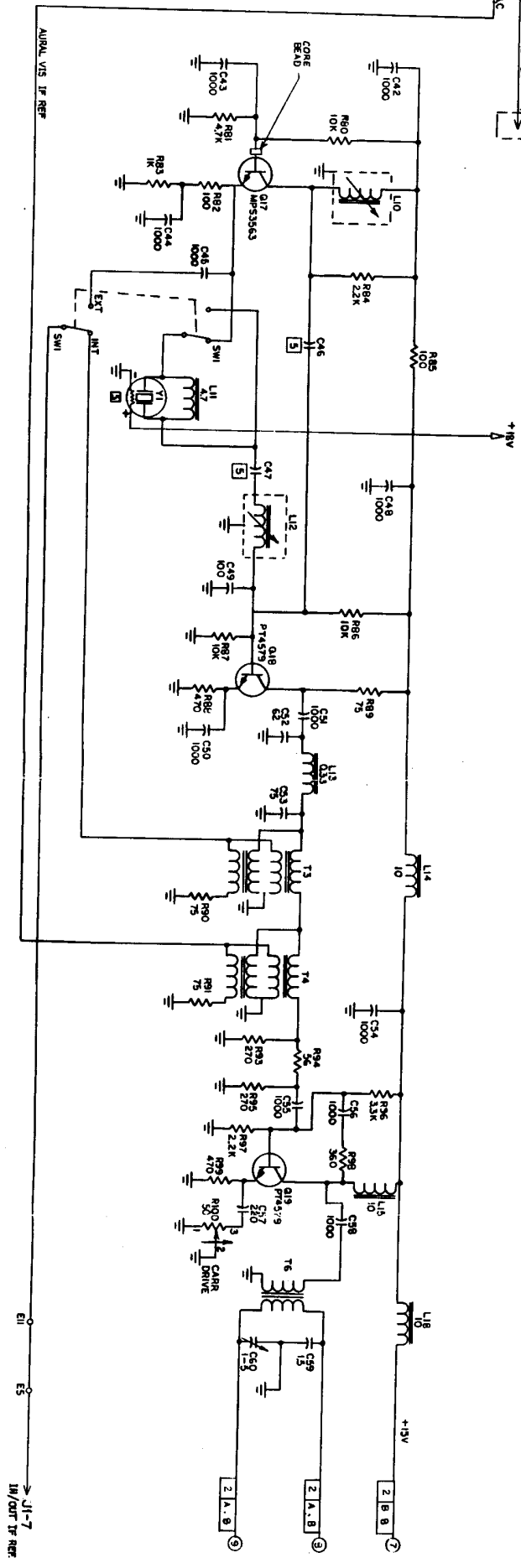
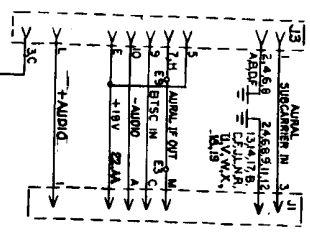


Figure 4-4
Schematic Diagram, Video Modulator
3 of 4

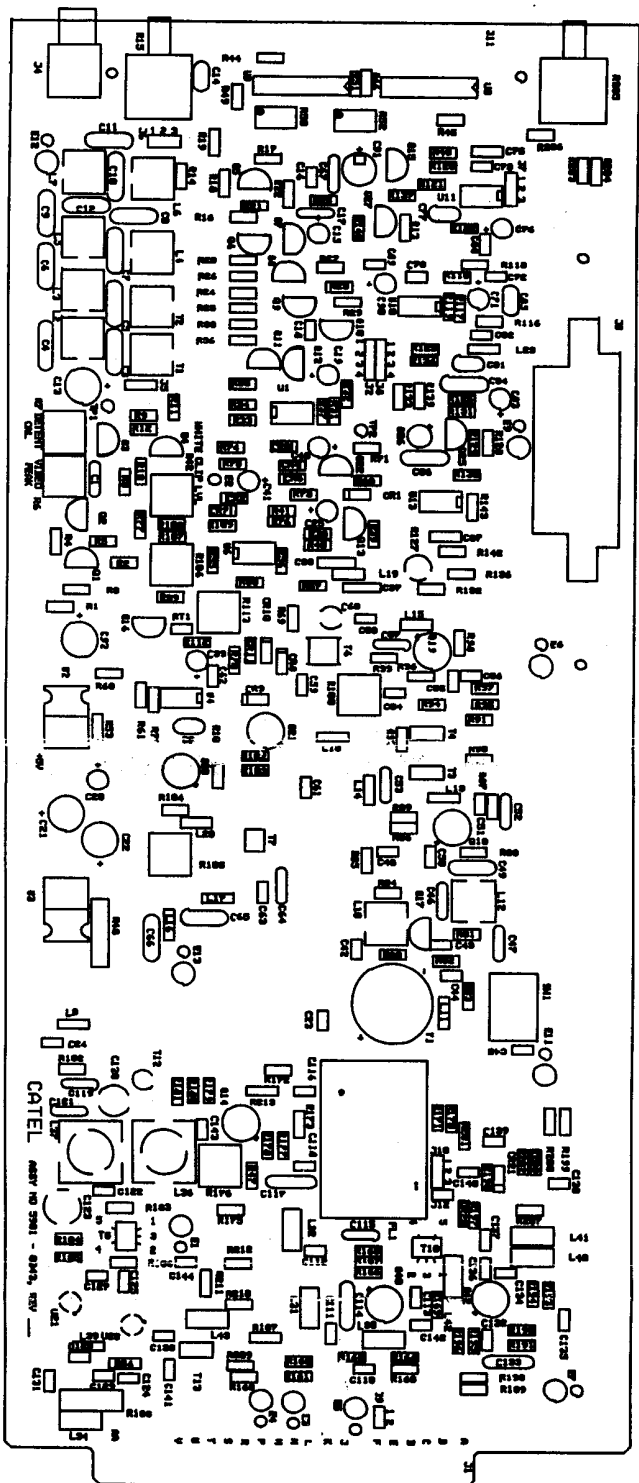
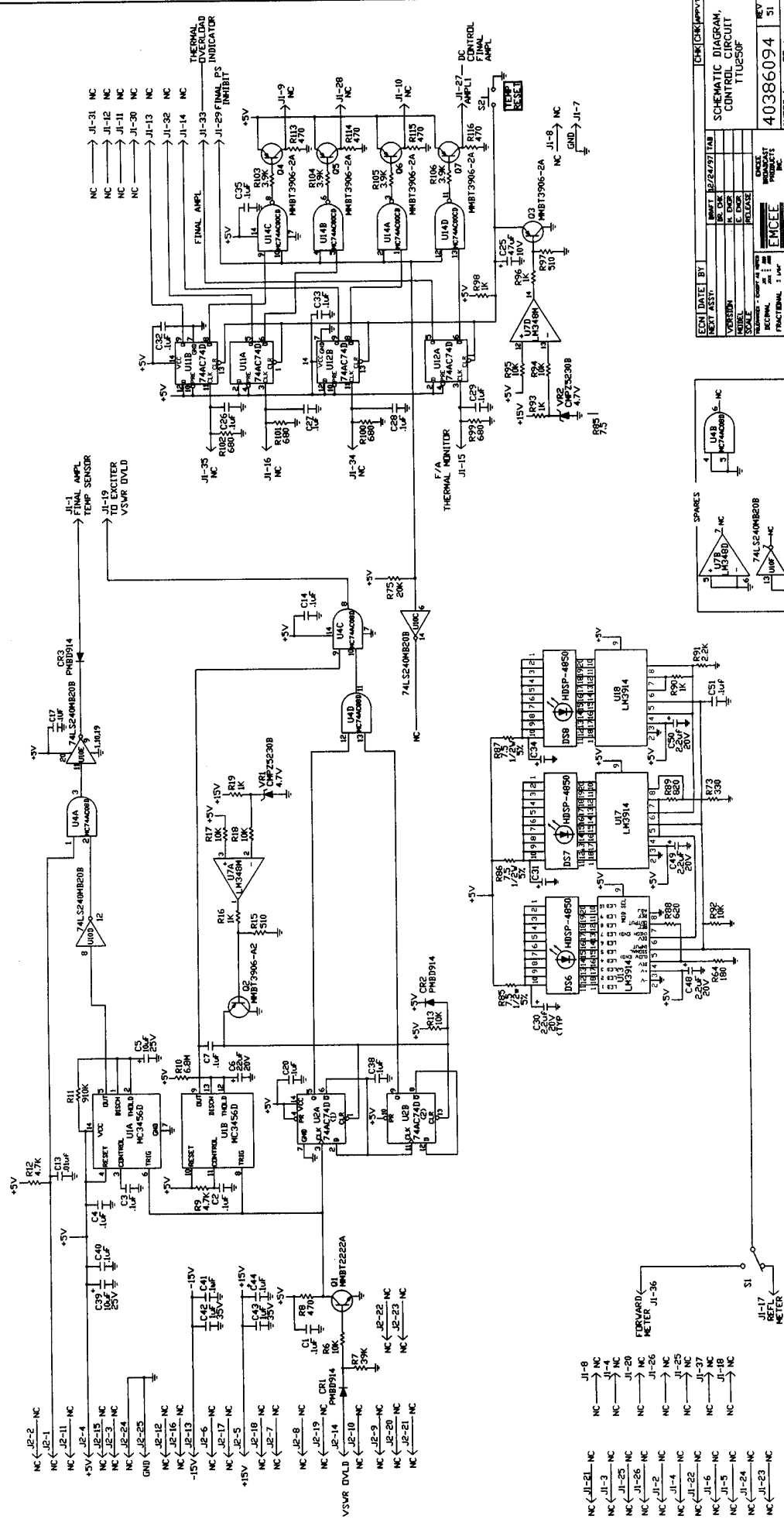
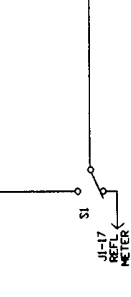
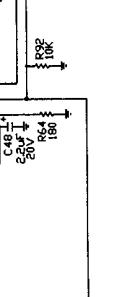
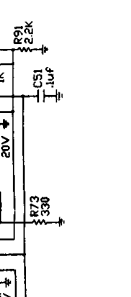
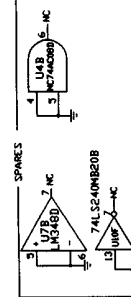


Figure 5-3
PCB Parts Location Diagram
Video Modulator

HIGHEST REFERENCE DESIGNATIONS
 U47 OF 1241 D89 SE 12 170916101 P221P5V42
 REFERENCE DESIGNATIONS NOT USED
 1241 D89 SE 12 170916101 P221P5V42
 1241 D89 SE 12 170916101 P221P5V42

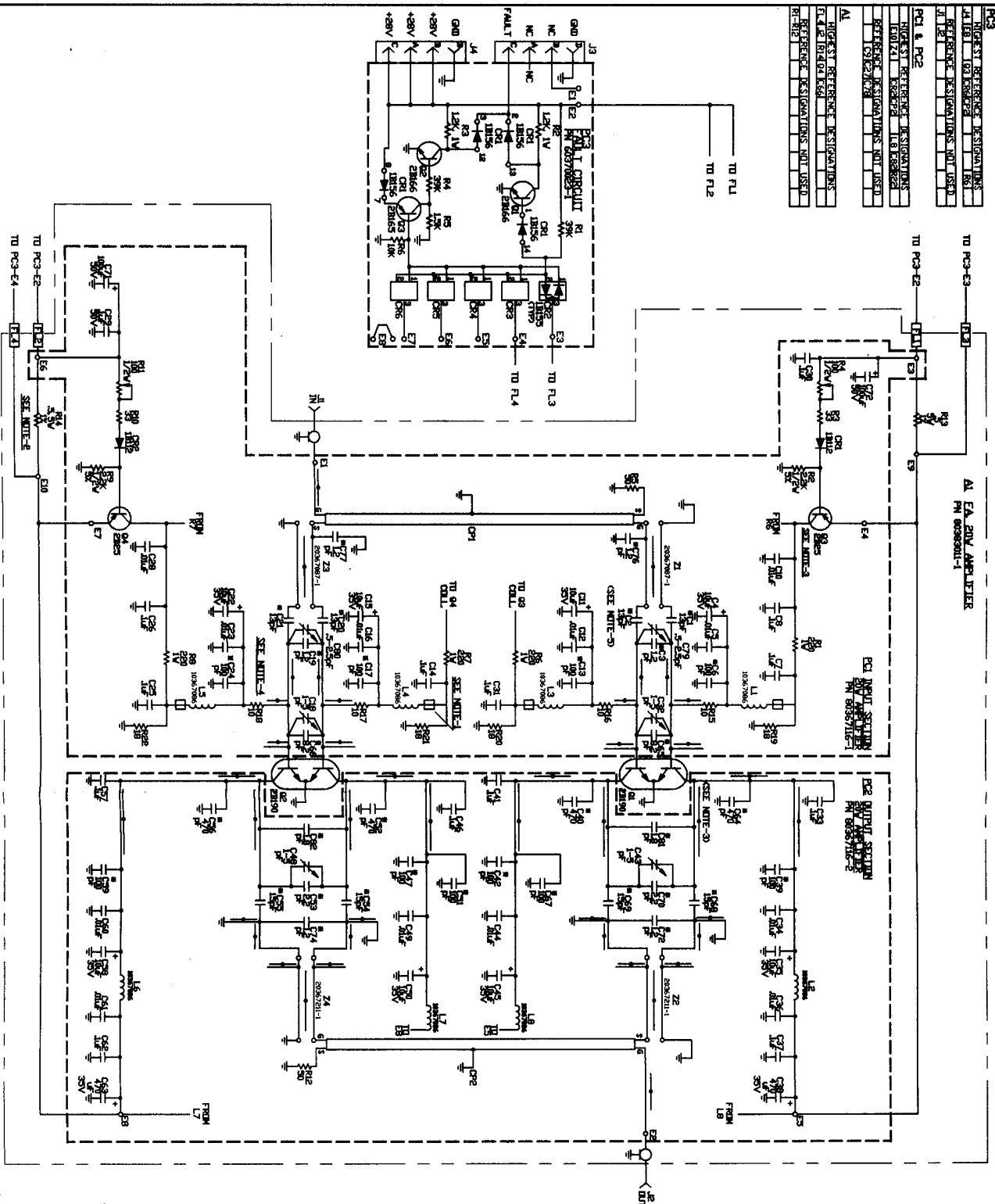


ECN	DATE	BY	CHK	CHK	REV
1	12/24/97	TAB			51
VERSION					
SOUL					
RELEASE					
PREPARED					
REVISION					
FRAC					
ANALOG					



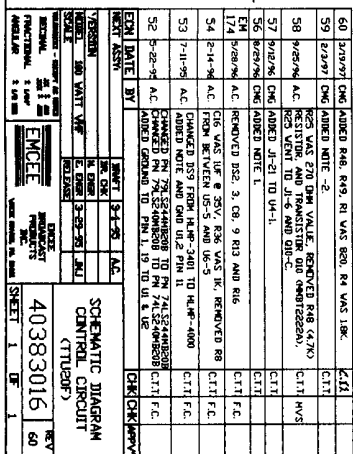
U1A	U1B	U1C	U1D	U1E	U1F
U1G	U1H	U1I	U1J	U1K	U1L
U1M	U1N	U1O	U1P	U1Q	U1R
U1S	U1T	U1U	U1V	U1W	U1X
U1Y	U1Z	U1A	U1B	U1C	U1D

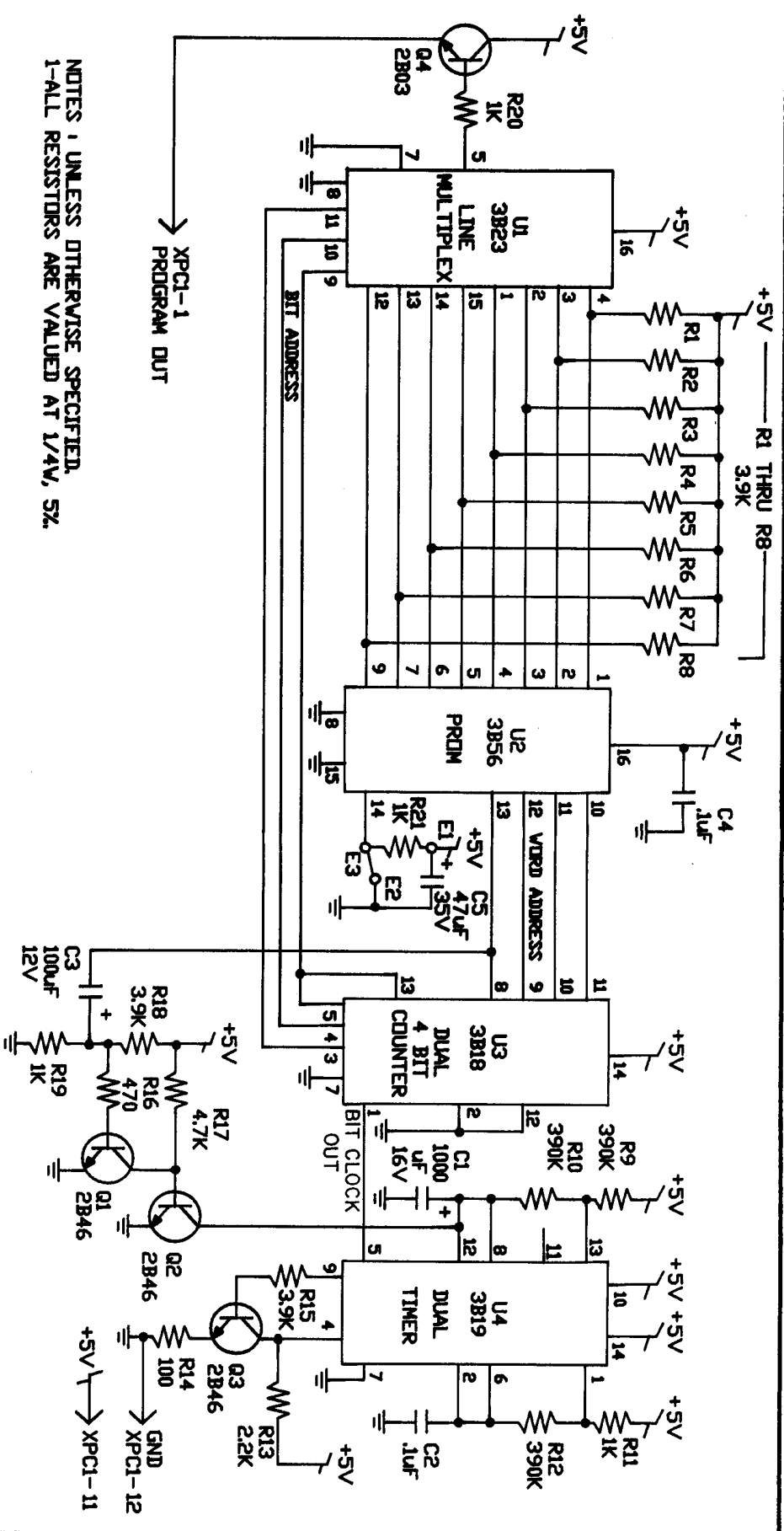
PC3	HIGHEST REFERENCE DESIGNATIONS
44 18	103 836622
185	
REFERENCE DESIGNATIONS NOT USED	
1 2	
PC1 & PC2	
HIGHEST REFERENCE DESIGNATIONS	
10 24	18 836622
REFERENCE DESIGNATIONS NOT USED	
103 836622	
AI	
HIGHEST REFERENCE DESIGNATIONS	
11 4	10 44 18 566
REFERENCE DESIGNATIONS NOT USED	
44 18	



NOTE: UNLESS OTHERWISE SPECIFIED:
1- THE SYMBOL IDENTIFIES FERRITE BEADS.
2- RESISTOR VALUES ARE 1/4W, 5%
3- COMPONENTS OF TRU 04, FL1 THRU FL4,
C18, C2, C5, C6, R13, J4, THRU J6,
AND PC3 ARE NOT LOCATED ON PCB ASSY.
4- COMPONENTS R15 THRU R18 VALUE MAY BE
DETERMINED BY TEST.
5- CAPACITORS MARKED WITH AN ASTERISK
ARE ATC CAPACITORS.

[illegible]





HIGHEST REFERENCE DESIGNATIONS		ECN		DATE	BY	CHK		CHK	APPV
U4	Q4	C5	R21						
REFERENCE DESIGNATIONS NOT USED		XPCI							

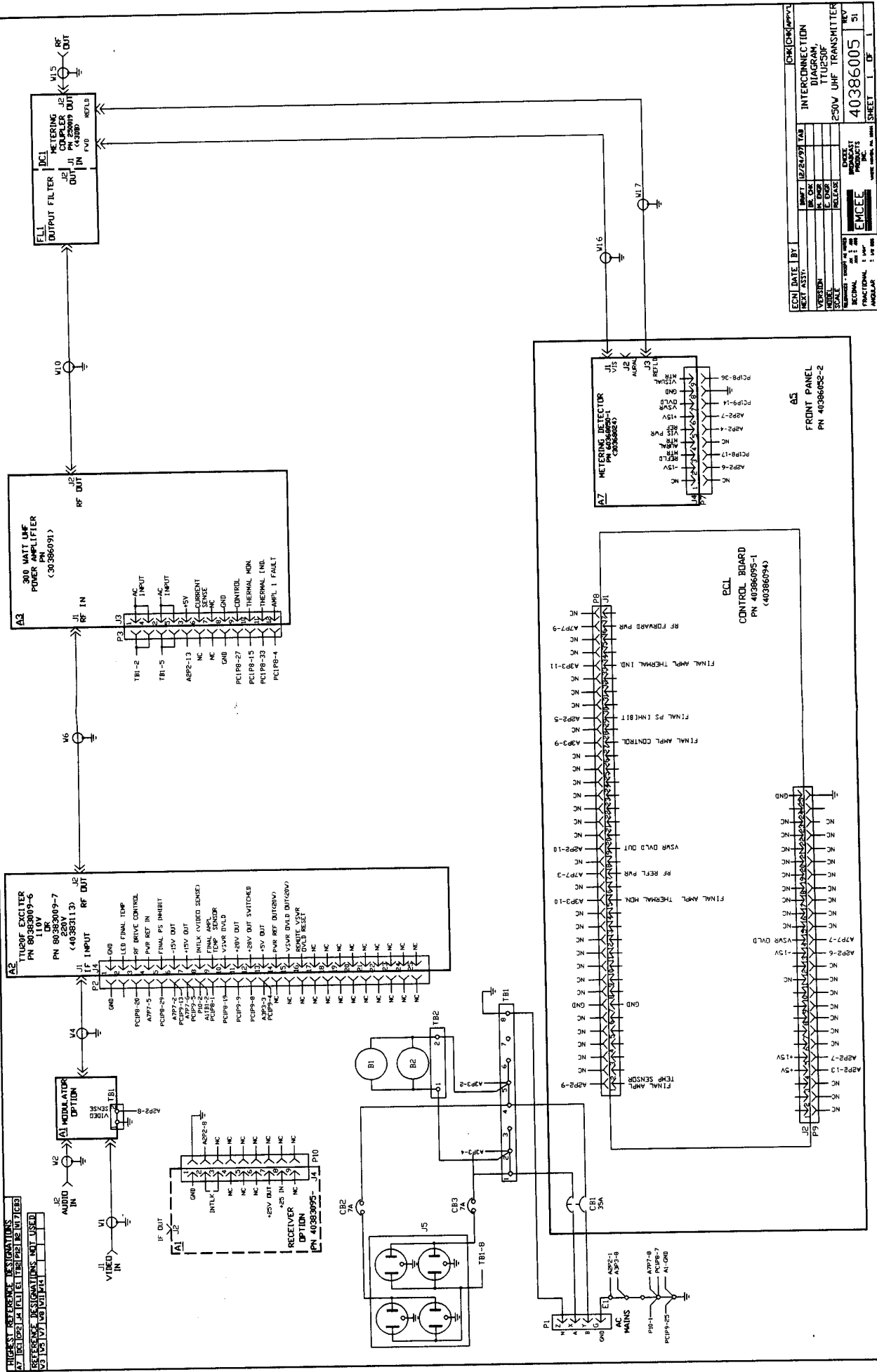
ECN	DATE	BY	DR	CHK	4-7-87	CIT
NEXT ASSY			DR	CHK	5-22-87	9/1/87
VERSION			M	ENGR	7-23-87	9/1
MODEL			E	ENGR		
SCALE			RELEASE	1-21-77		

TOLERANCES - EXCEPT AS NOTED		ELECTRONICS	
DECIMAL	20 ± .005	MISSILES &	
FRACTIONAL	2 ± .005	COMMUNICATIONS	
ANGULAR	2 ± .005	DNC	

SHEET 1		DF	1
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SCHEMATIC DIAGRAM, DIGITAL CODE IDENTIFICATION UNIT		REV	4
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UNLESS OTHERWISE DESIGNATED
 ALL DIMENSIONS ARE IN INCHES
 ALL DIMENSIONS ARE IN MILLIMETERS
 ALL DIMENSIONS ARE IN INCHES
 ALL DIMENSIONS ARE IN MILLIMETERS



ECN DATE	BY	12/24/97	TAB	INTERCONNECTION
REV	ASST			DIAGRAM
REV	ASST			TTU250F
REV	ASST			250W UHF TRANSMITTER
REV	ASST			40386005
REV	ASST			SI
REV	ASST			SHEET 1 OF 1

[illegible]