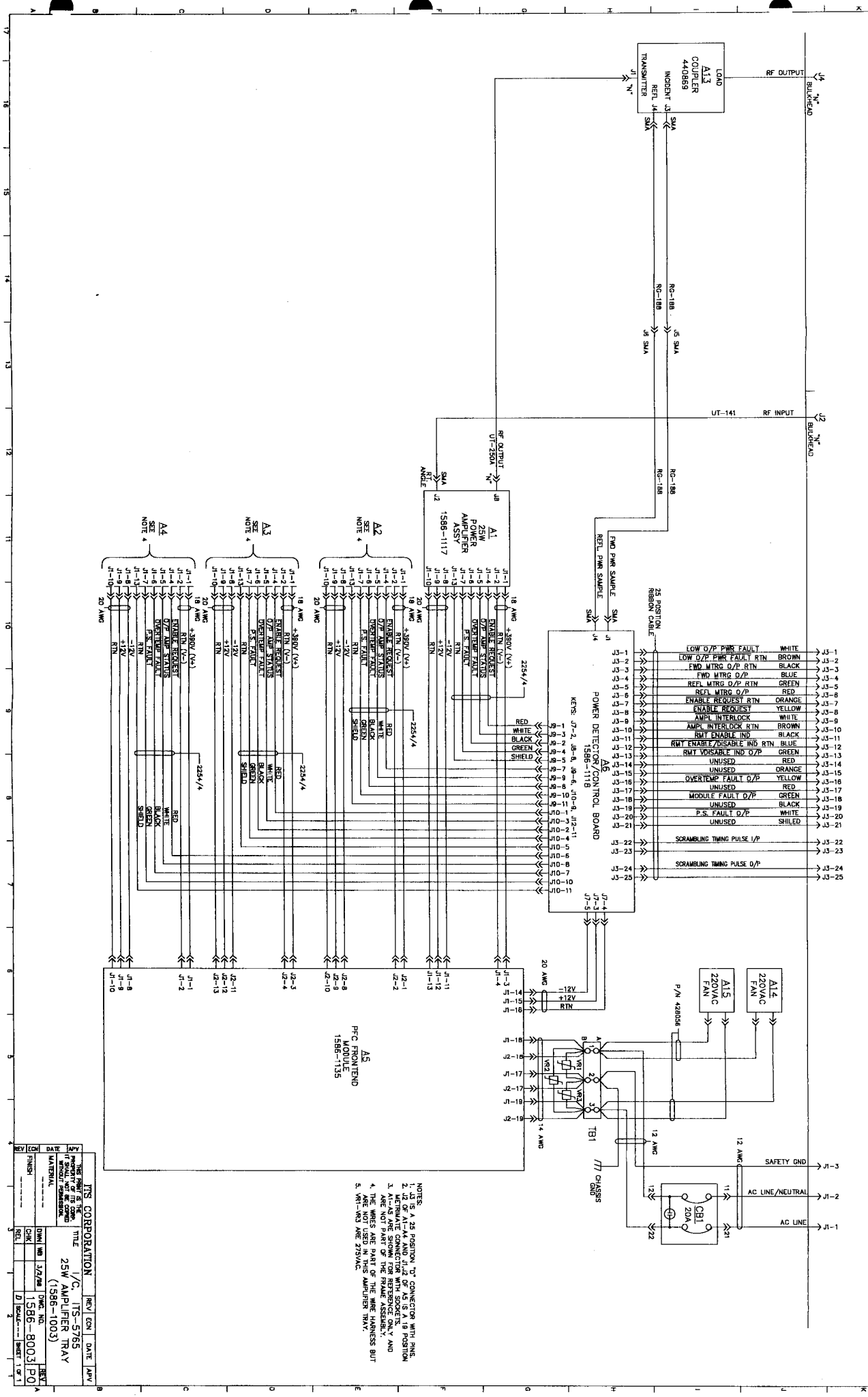


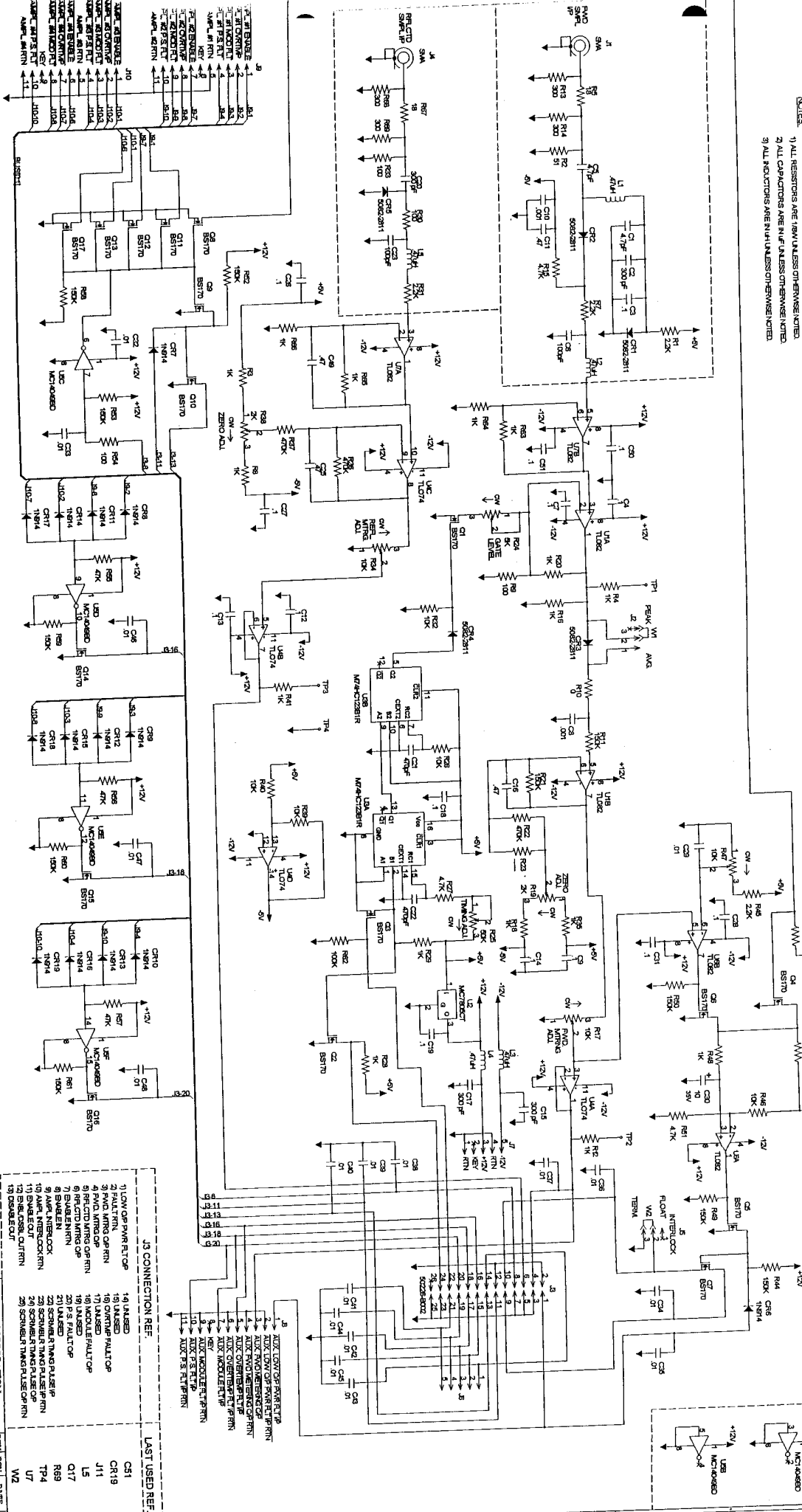


NOTES:

1. J1 IS A 25 POSITION D/C CONNECTOR WITH PINS.
2. J2 IS A 25 POSITION D/C CONNECTOR WITH PINS.
3. J3 IS A 25 POSITION D/C CONNECTOR WITH PINS.
4. J4 IS A 25 POSITION D/C CONNECTOR WITH PINS.
5. J5 IS A 25 POSITION D/C CONNECTOR WITH PINS.
6. J6 IS A 25 POSITION D/C CONNECTOR WITH PINS.
7. J7 IS A 25 POSITION D/C CONNECTOR WITH PINS.
8. J8 IS A 25 POSITION D/C CONNECTOR WITH PINS.
9. J9 IS A 25 POSITION D/C CONNECTOR WITH PINS.
10. J10 IS A 25 POSITION D/C CONNECTOR WITH PINS.
11. J11 IS A 25 POSITION D/C CONNECTOR WITH PINS.
12. J12 IS A 25 POSITION D/C CONNECTOR WITH PINS.
13. J13 IS A 25 POSITION D/C CONNECTOR WITH PINS.
14. J14 IS A 25 POSITION D/C CONNECTOR WITH PINS.
15. J15 IS A 25 POSITION D/C CONNECTOR WITH PINS.
16. J16 IS A 25 POSITION D/C CONNECTOR WITH PINS.
17. J17 IS A 25 POSITION D/C CONNECTOR WITH PINS.
18. J18 IS A 25 POSITION D/C CONNECTOR WITH PINS.
19. J19 IS A 25 POSITION D/C CONNECTOR WITH PINS.
20. J20 IS A 25 POSITION D/C CONNECTOR WITH PINS.
21. J21 IS A 25 POSITION D/C CONNECTOR WITH PINS.
22. J22 IS A 25 POSITION D/C CONNECTOR WITH PINS.
23. J23 IS A 25 POSITION D/C CONNECTOR WITH PINS.
24. J24 IS A 25 POSITION D/C CONNECTOR WITH PINS.
25. J25 IS A 25 POSITION D/C CONNECTOR WITH PINS.

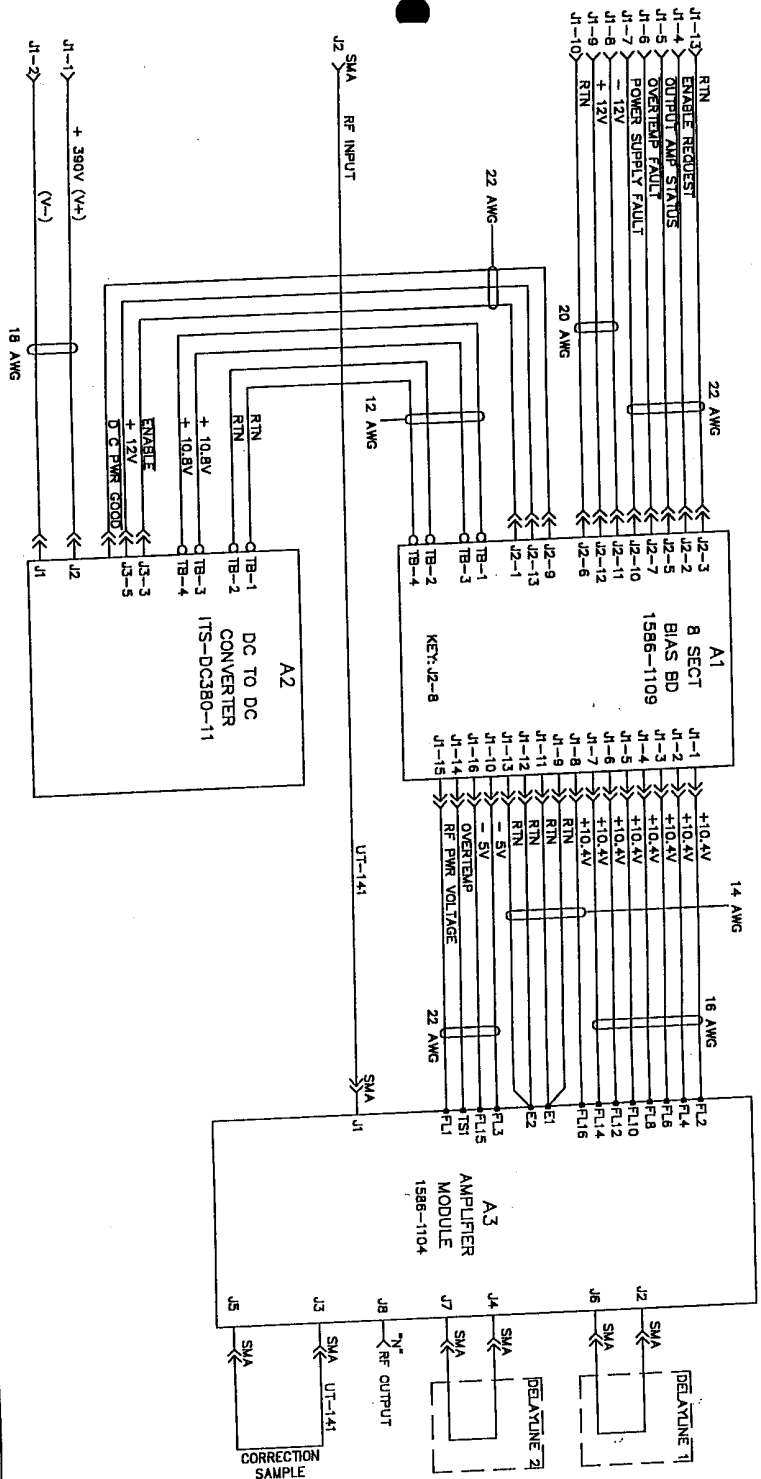
TTS CORPORATION		REV	CON	DATE	APP
PROPERTY OF TTS CORPORATION					
TITLE		I/C ITS-5765			
25W AMPLIFIER TRAY		(1586-1003)			
REV	DATE	BY	CHK	APP	REV
1	1586-1003	PO			1
2	1586-1003	PO			2
3	1586-1003	PO			3
4	1586-1003	PO			4
5	1586-1003	PO			5

- NOTES:
- 1) ALL RESISTORS ARE 100W UNLESS OTHERWISE NOTED
 - 2) ALL CAPACITORS ARE IN P.F. UNLESS OTHERWISE NOTED
 - 3) ALL POLARITIES ARE IN P.F. UNLESS OTHERWISE NOTED



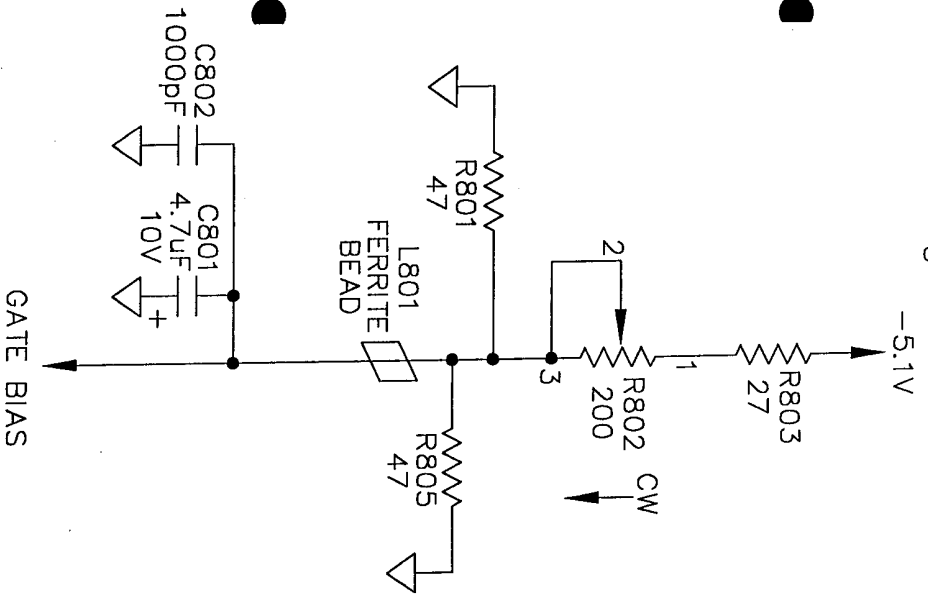
REV	DATE	BY	CHK	APP
0	12/28/88	WZ	WZ	WZ
1	1586-3118	WZ	WZ	WZ
2	0	WZ	WZ	WZ

33 CONNECTION REF.	LAST USED REF.
11 LOW POWER FLTP	CR19
12 LOW POWER FLTP	J11
13 LOW POWER FLTP	L5
14 LOW POWER FLTP	Q17
15 LOW POWER FLTP	R69
16 LOW POWER FLTP	TR4
17 LOW POWER FLTP	WZ
18 LOW POWER FLTP	
19 LOW POWER FLTP	
20 LOW POWER FLTP	
21 LOW POWER FLTP	
22 LOW POWER FLTP	
23 LOW POWER FLTP	
24 LOW POWER FLTP	
25 LOW POWER FLTP	
26 LOW POWER FLTP	
27 LOW POWER FLTP	
28 LOW POWER FLTP	
29 LOW POWER FLTP	
30 LOW POWER FLTP	
31 LOW POWER FLTP	
32 LOW POWER FLTP	
33 LOW POWER FLTP	



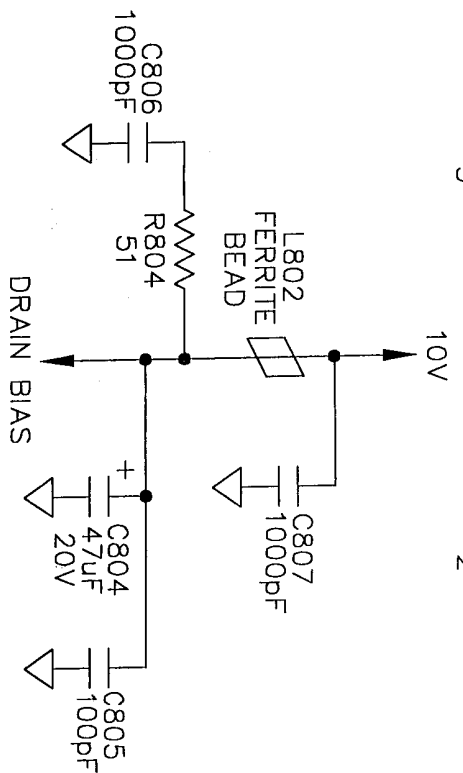
REV	ECN	DATE	APV
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

TTS CORPORATION		REV	ECN	DATE	APV
TITLE					
I/C, AMPL ASSY,					
2.50-2.70 GHz W/FF					
(1586-1117)					
DWG	1451/21/28	DWG	NO.	1586-8117	PO
CHK		REL			
FINISH		REL			
SHEET 1 OF 1					



NOTES:

- 1) ALL RESISTORS ARE 1/8W, 5% & IN VALUES OF OHMS UNLESS OTHERWISE NOTED.
- 2) IF 200 OHM POTS ARE NOT AVAILABLE, 100 OHM POTS MAY BE USED. HOWEVER, RESISTOR VALUES MAY HAVE TO CHANGE (SEE NOTE 2).
- 3) TO ACCOUNT FOR VARIATIONS IN THE FL300 & FL200, R803 MAY BE RAISED TO INCREASE DRAIN CURRENT (TYP 150 OHM) OR LOWERED TO DECREASE DRAIN CURRENT (TYP 27 OHM).



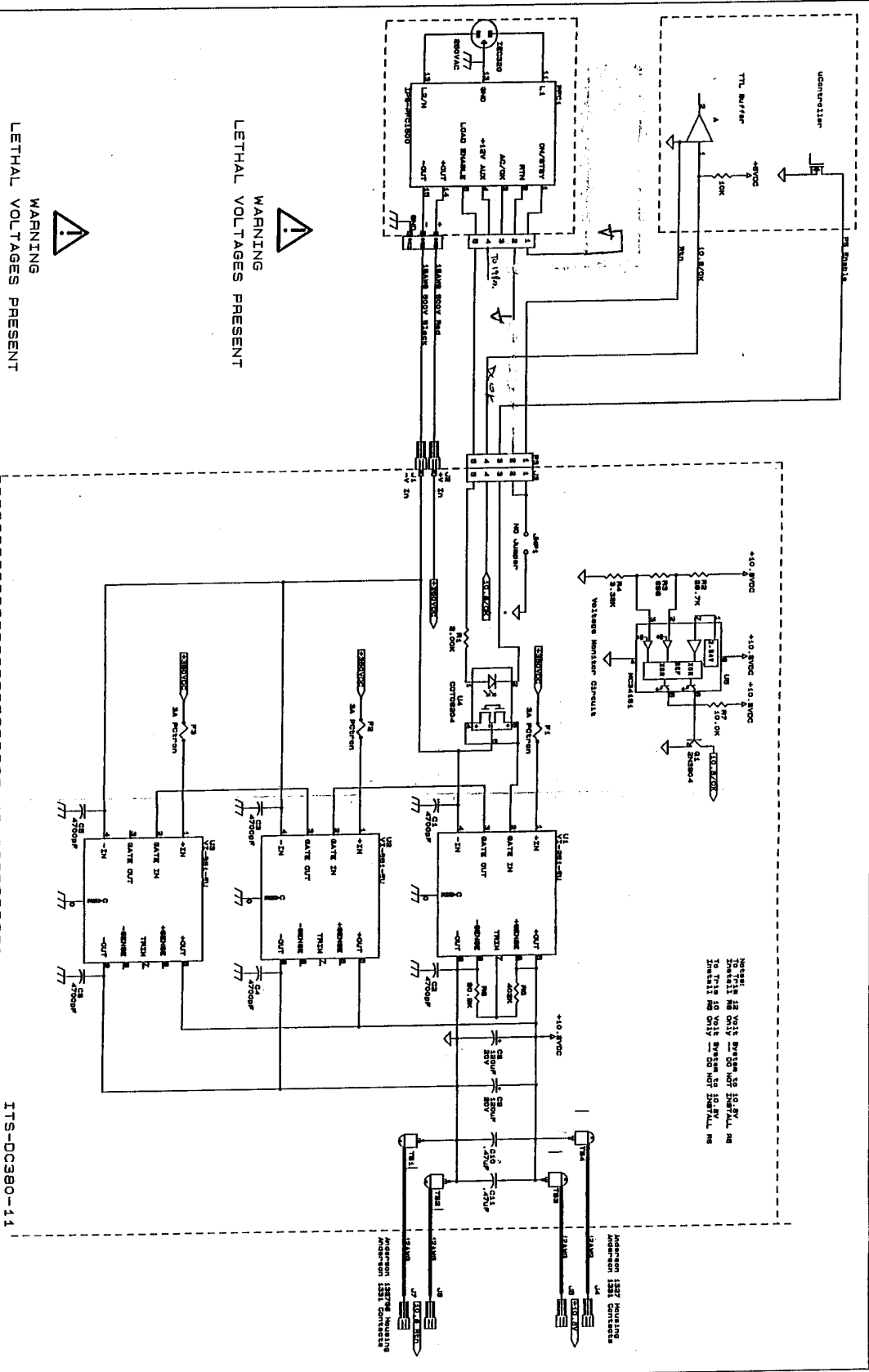
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE SCH, AMP DAUGHTER BOARD, LEFT SIDE	
DATE		DWG. NO.	
MATERIAL		1512-3110	
FINISH		REV	
---		1	
REV	ECN	REL	BKW
---	---	---	---
IT'S CORPORATION		REV	
---		ECN	
---		DATE	
---		APV	
---		A	
---		SCALE	
---		SHEET	
---		1 OF 1	

ADDED NOTES & pF TO
C802, C805-C807. (GK)

1 8940 4/9/97



NAME	DATE	NAME	DATE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
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12	12	12	12
13	13	13	13
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99	99	99	99
100	100	100	100

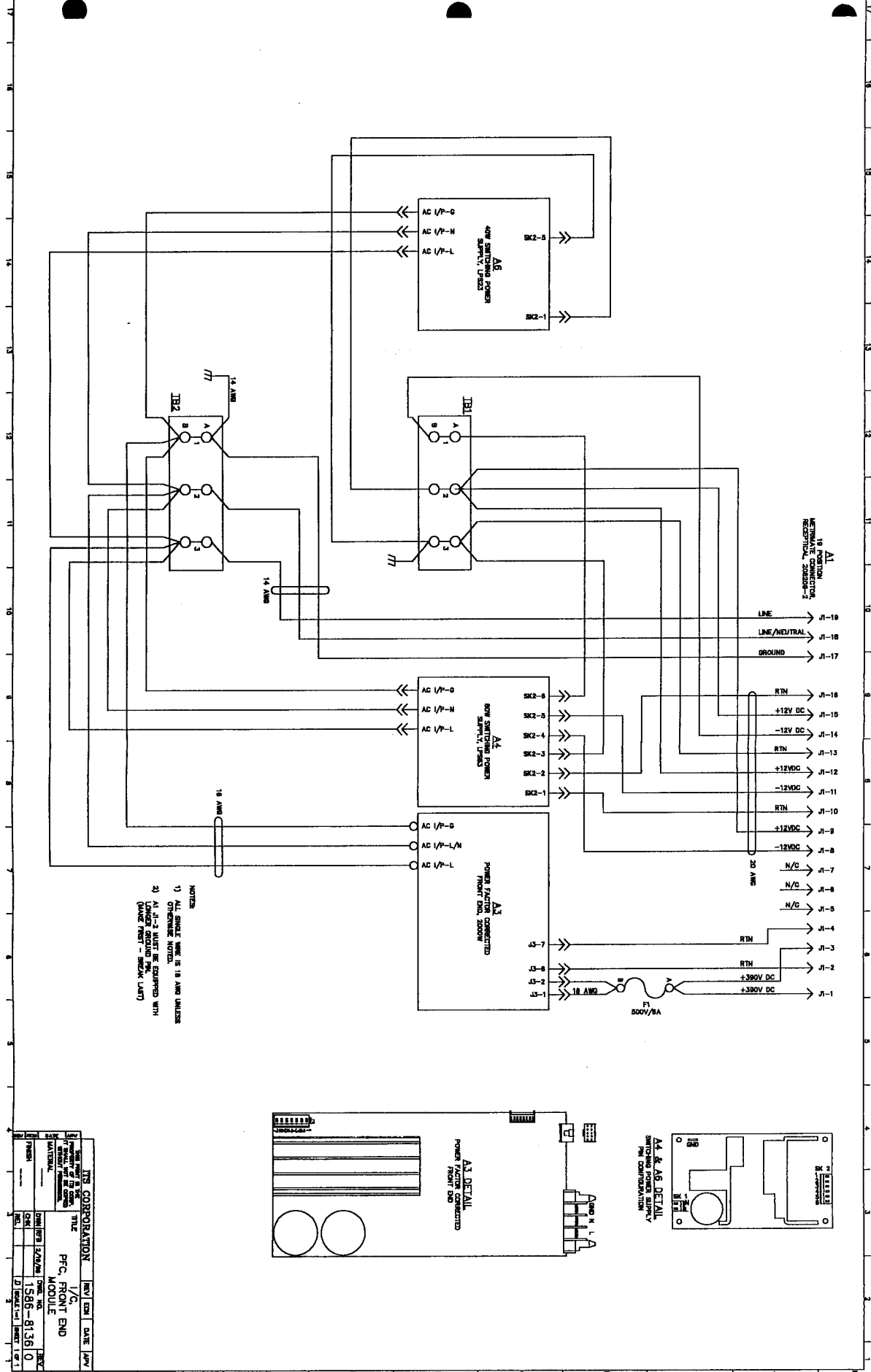


WARNING
LETHAL VOLTAGES PRESENT

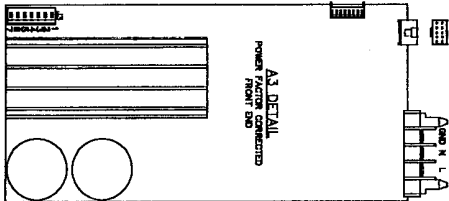
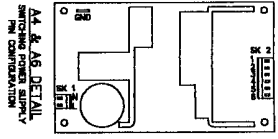
WARNING
LETHAL VOLTAGES PRESENT

PROTOTYPE

Integrated Power Solutions Inc.	
23800 Commerce Park	
Beechwood, Ohio 44122	
71512	
ITM Power Supply Systems	
Size Documents Number	217-00360-11
DATE	06/26/97 11:57 AM
BY	A



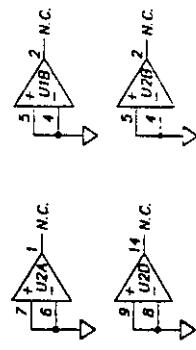
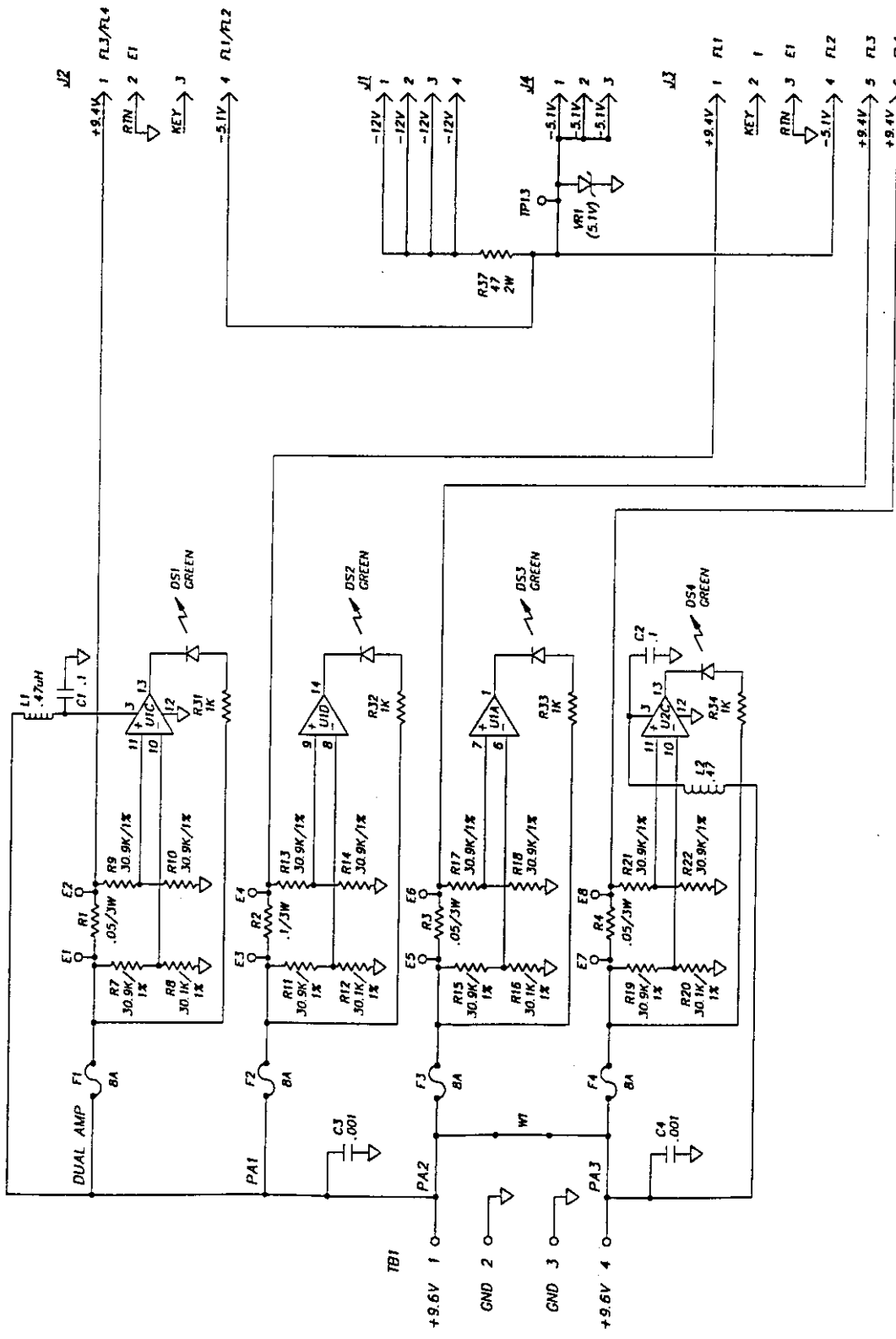
NOTES
 1) ALL CABLES MUST BE 18 AWG UNLESS OTHERWISE NOTED.
 2) A1 & A2 MUST BE EQUIPPED WITH LARGER GROUND PIN (MAKE FIRST - BREAK LAST)



JTS CORPORATION		REV	DATE	APP
1. THE FIRST 8 OF 10		1/0	1/0	1/0
2. THE FIRST 8 OF 10		1/0	1/0	1/0
3. THE FIRST 8 OF 10		1/0	1/0	1/0
4. THE FIRST 8 OF 10		1/0	1/0	1/0
5. THE FIRST 8 OF 10		1/0	1/0	1/0
6. THE FIRST 8 OF 10		1/0	1/0	1/0
7. THE FIRST 8 OF 10		1/0	1/0	1/0
8. THE FIRST 8 OF 10		1/0	1/0	1/0
9. THE FIRST 8 OF 10		1/0	1/0	1/0
10. THE FIRST 8 OF 10		1/0	1/0	1/0



0101 HAS FL1120MC. HAS									
2		4040							
CHANGED R106 FROM 150 TO 120, R306 & R206 FROM 22 TO 47, & R207 & R307.									
RCB									
1		JRT		5/8/84		DUJ			
REV		ECN		DATE		APV			
FINISH				THIS PANEL IS THE PROPERTY OF ITS OWNER. IT SHALL NOT BE COPIED OR REPRODUCED WITHOUT PERMISSION.					
MATERIAL				TITLE					
3				ITS CORPORATION					
REL				REV					
DWN				ECN					
CHK				DATE					
APV				APV					
SCALE 1:1				SHEET 1 OF 1					
2				2					



NOTE: ALL RESISTORS ARE 1/4W 5% UNLESS NOTED.

REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

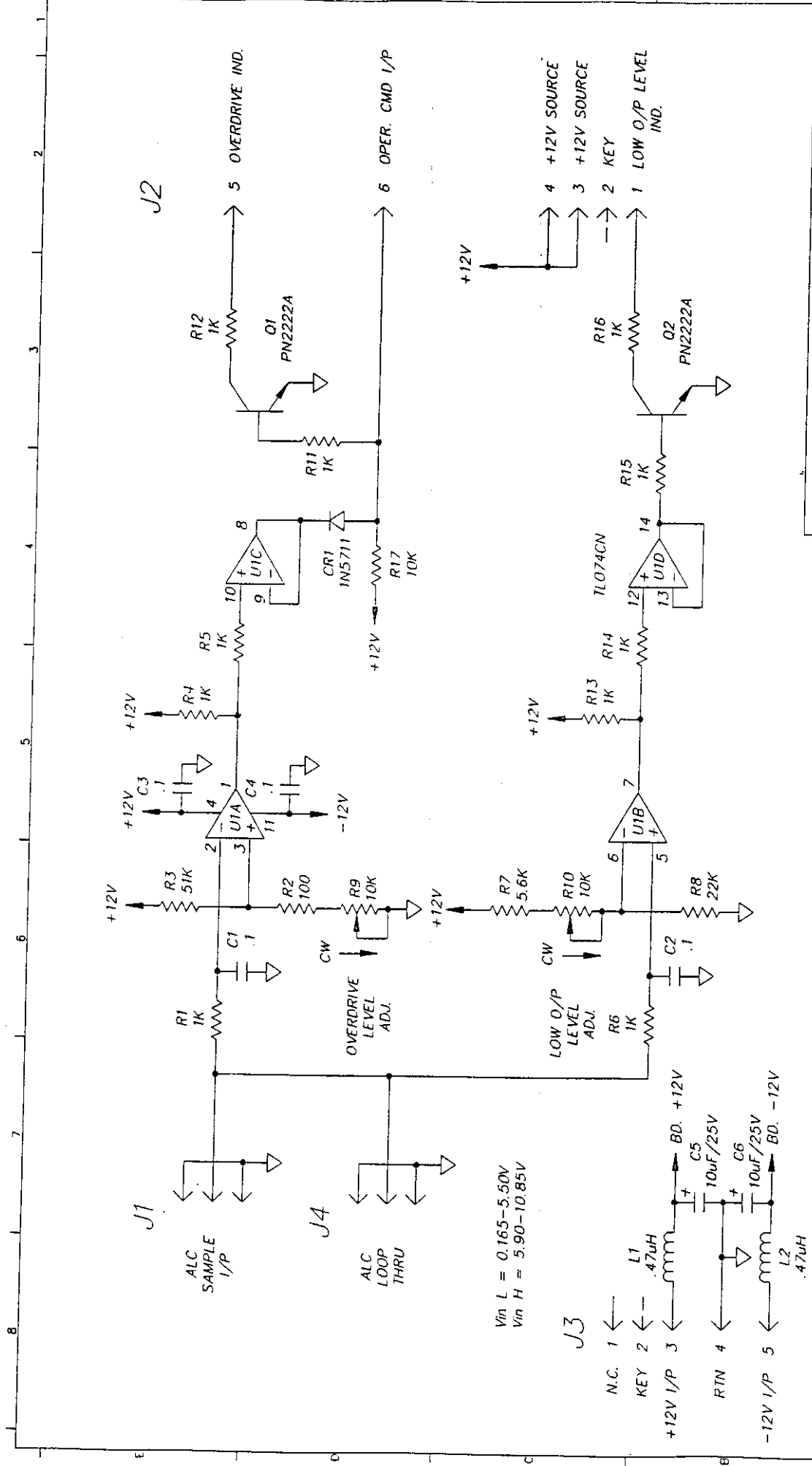
REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

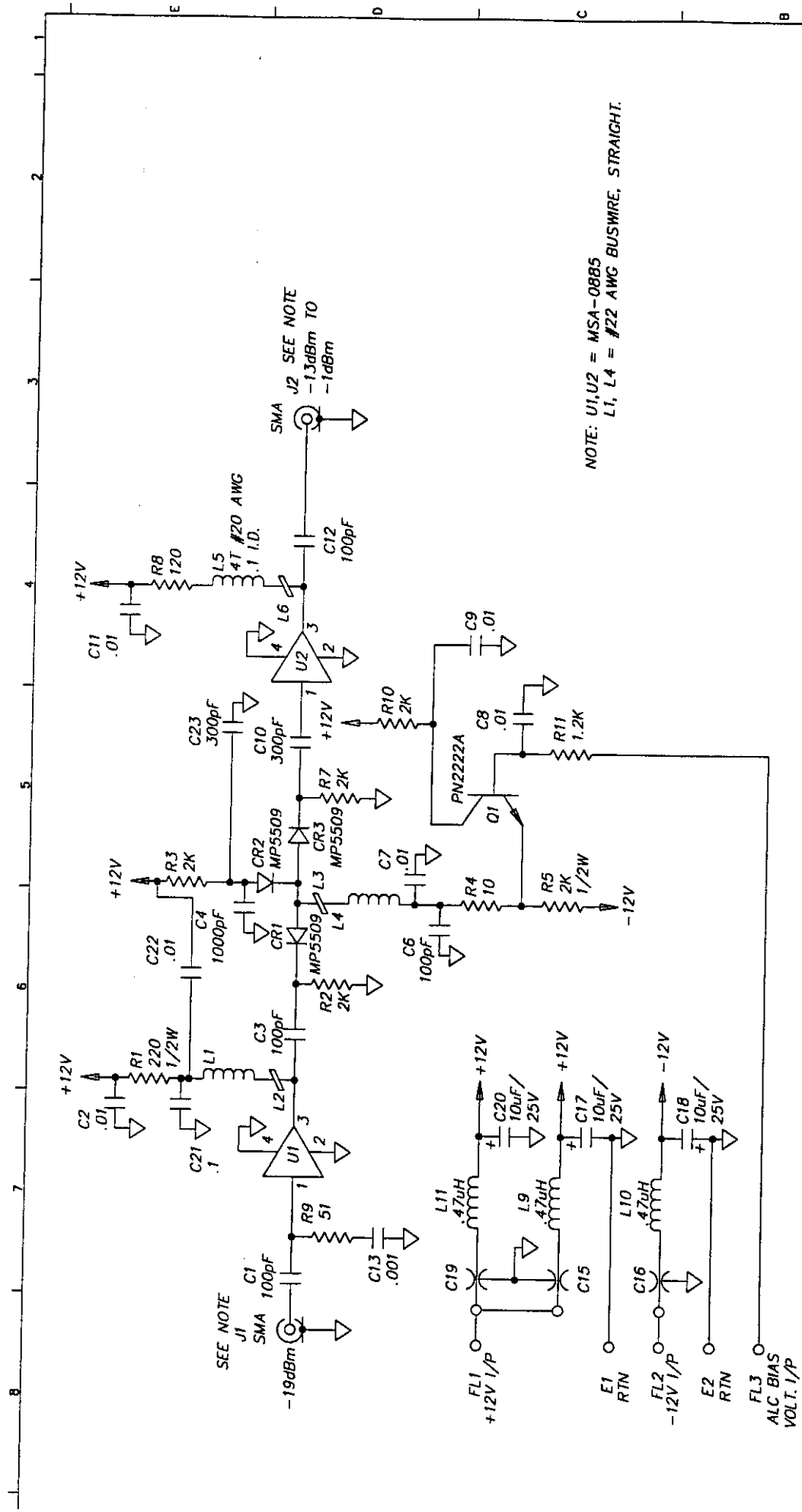
REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---

REV	ECN	DATE	APV
1	---	9/8/93	CAR
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---



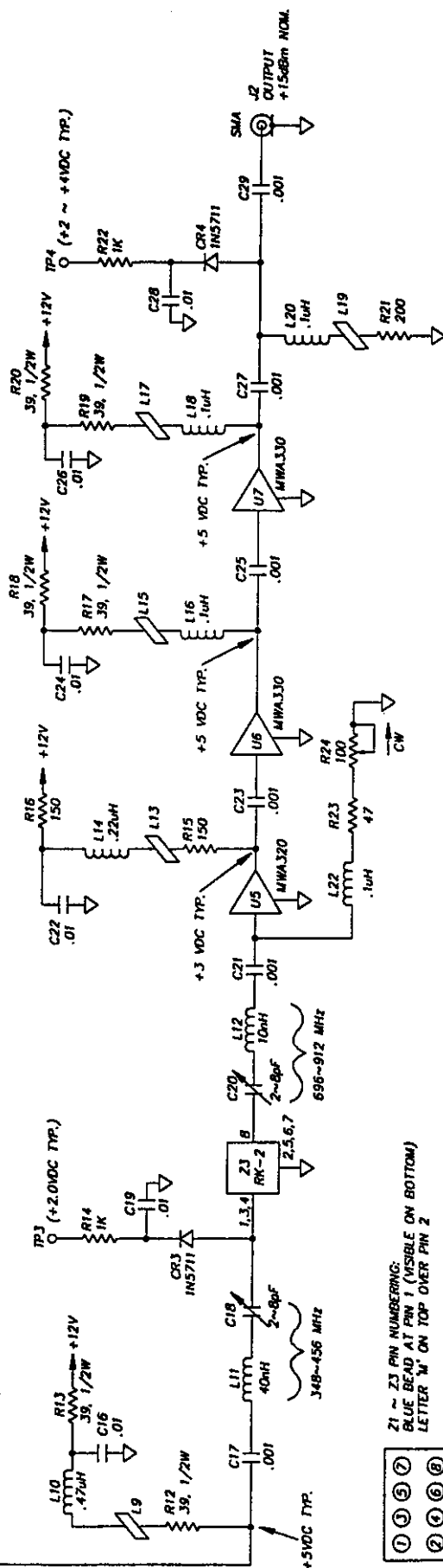
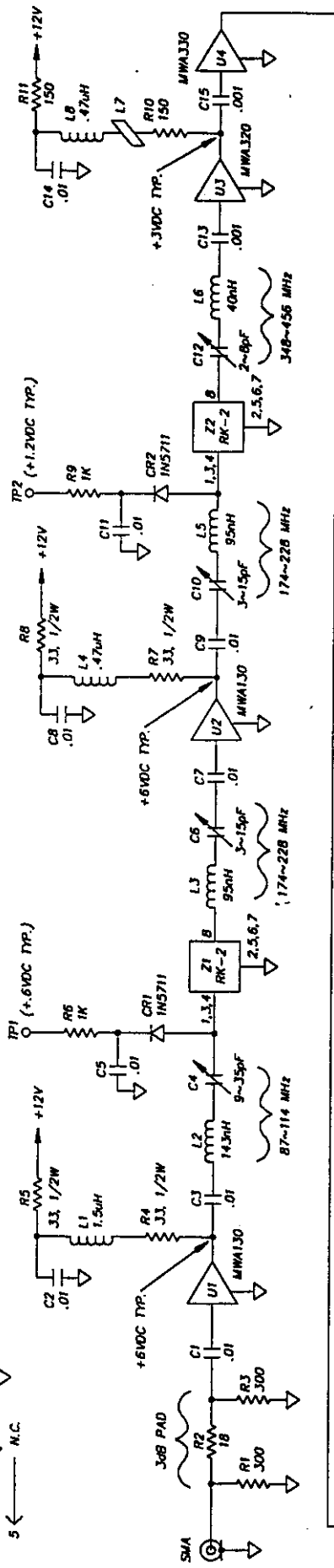
APV				DATE				REV									
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.								TITLE									
MATERIAL								SCHEMATIC- ALC FAULT SENSE BD. (1132-1501)									
FINISH								DWN	JCM	DWG. NO.				REV			
										10-23-91				1132			
														3501			



ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				SCHEMATIC- AMPL./ ATTENUATOR MODULE, MMDS (1132-1509)			
FINISH				DWG. NO.			
				11-12-91			
				11/14/91			
				11/14/91			
				1132-3509			
				1			

J3
1 ← N.C.
2 ← KEY
3 ← +12V
4 ← +12V RTN
5 ← N.C.

BOARD +12V
L21 .47uH
C30 10uF/35V

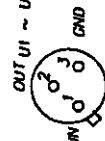


21 ~ Z3 PIN NUMBERING:
BLUE BEAD AT PIN 1 (VISIBLE ON BOTTOM)
LETTER 'W' ON TOP OVER PIN 2



BOTTOM VIEW

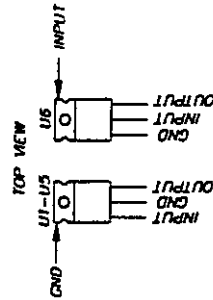
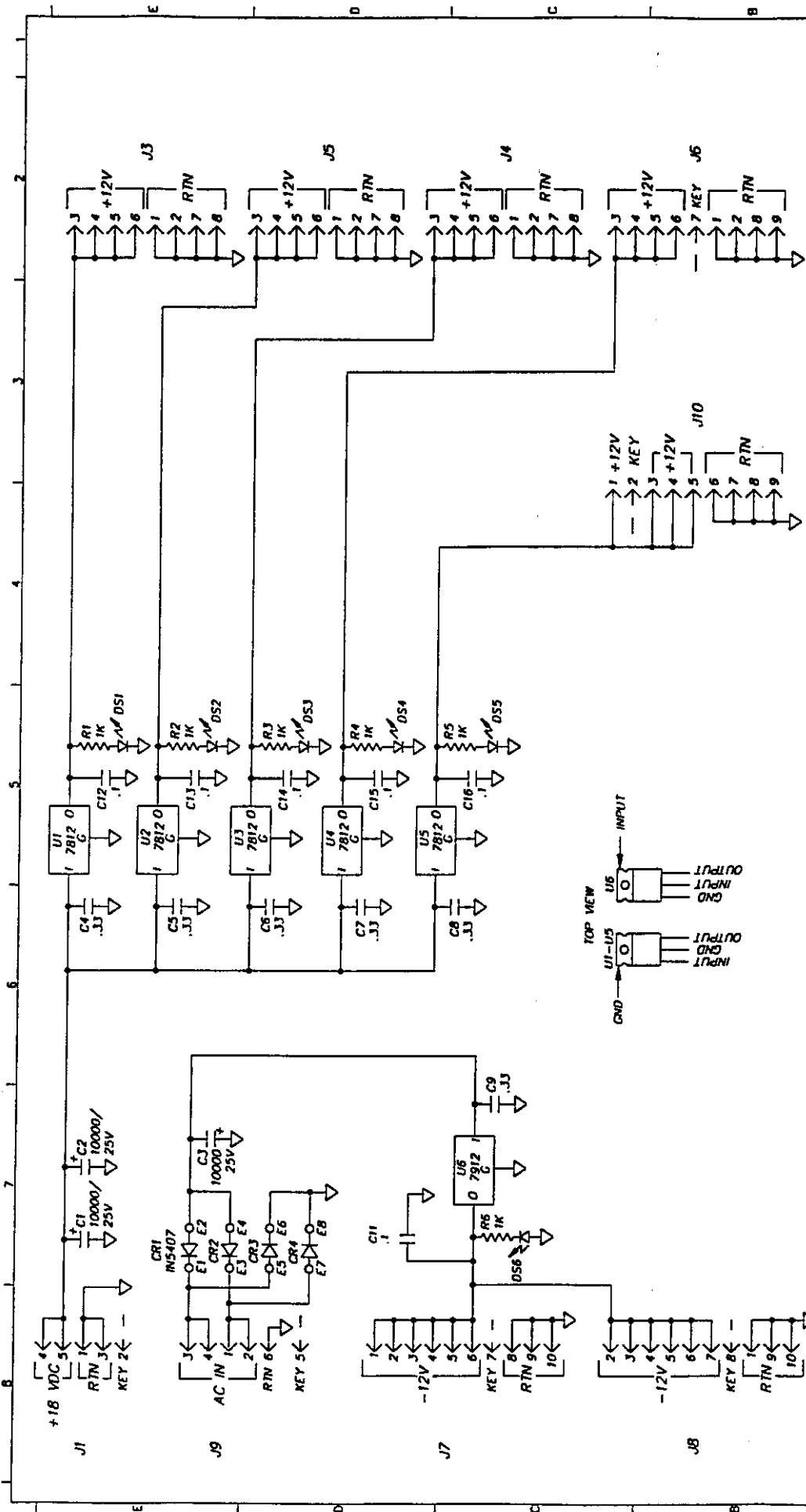
OUT U1 ~ U7 PIN DIAGRAM



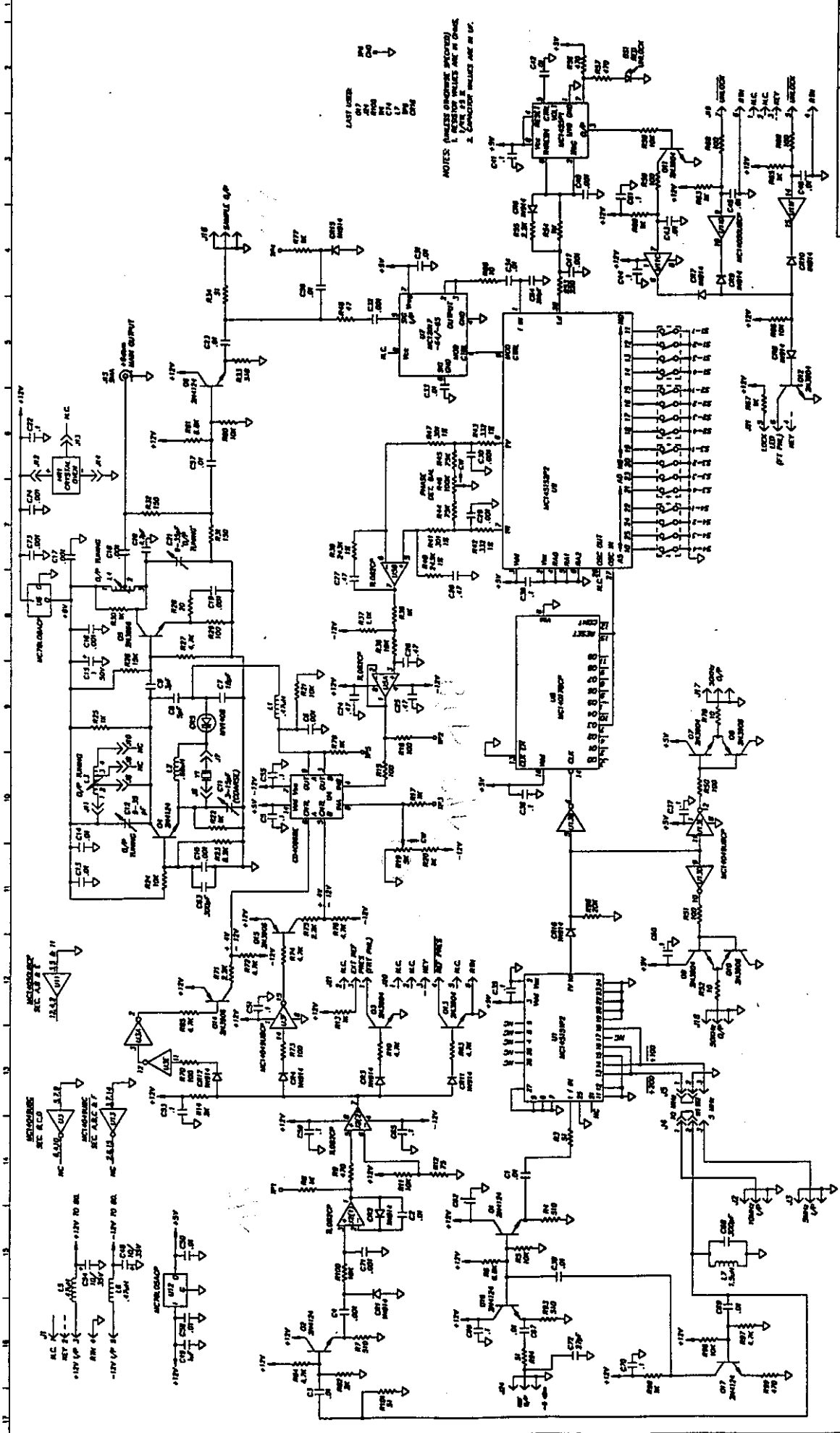
NOTES:

- 1) CASE TABS OF U1 ~ U7 ARE SOLDERED TO TOP (GND) FOR.
- 2) ALL RESISTORS ARE 1/4W, 5% UNLESS NOTED OTHERWISE.

ITS CORPORATION				REV	ECN	DATE	APV
TITLE				SCHEMATIC.			
X8 MULTIPLIER BD.				(1500-1143)			
DRAWN	BY	DATE	REV	CHK	CAR	DATE	REV
WJ	SL	7-1-83	1	WJ	SL	7-1-83	1
REL	CAR	7-6-83	1	REL	CAR	7-6-83	1
MATERIAL				FINISH			
THE PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				SCALE 1-1 SHEET 1 OF 1			



REV		ECN	DATE	APV
0		12-06-93	DPK	
RELEASE FOR PRODUCTION				
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				
MATERIAL				
FINISH				
TITLE				
SCHEMATIC - ± 12V POWER SUPPLY BD. (1500-1145)				
DWN	JCM	7-8-93	DWG. NO.	REV
CHK	JCM	10-21-93	1500-3145	0
REL	JCM	10-21-93	B	SCALE --- SHEET 1 OF 1

[illegible][illegible]

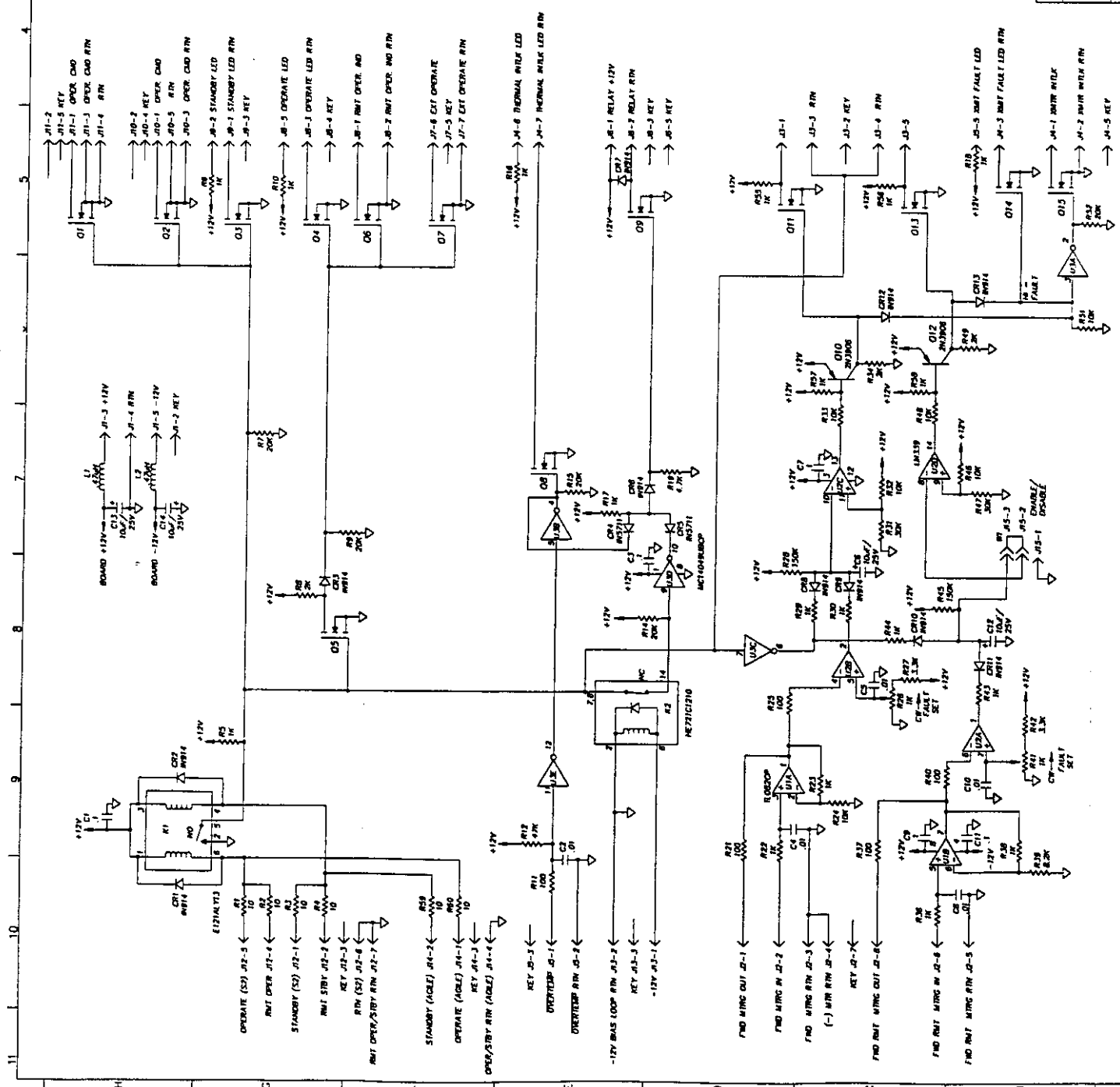
NOT USED PINS
J1-1, J1-4, J1-5
J2-2, J2-3, J2-4, J2-5

LAST REWORKED
C14, C17, J4, D15
AND 12, 14, 16, 17, 18, 19, 20, 21, 22

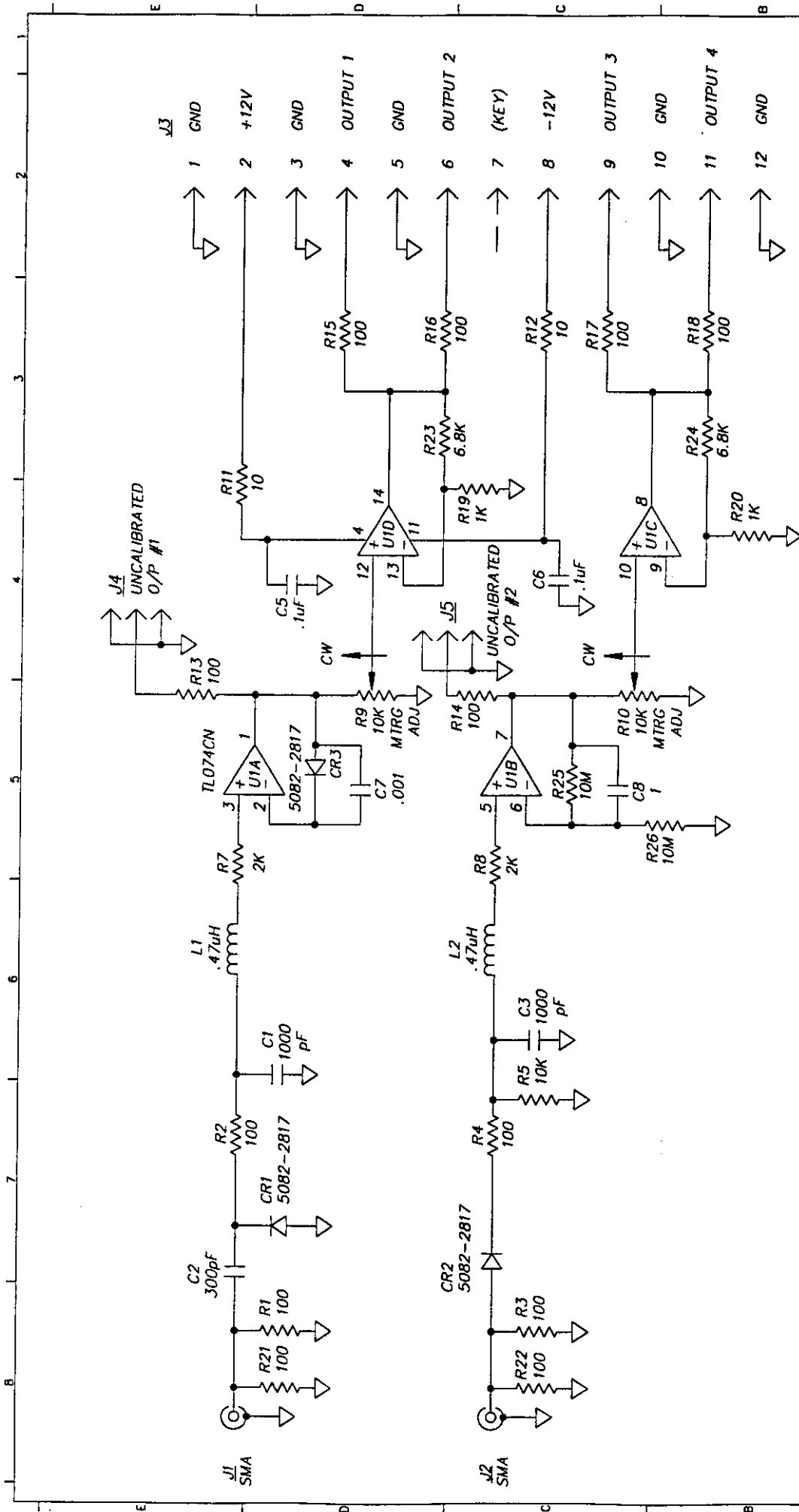
01-08, 011, 013-015



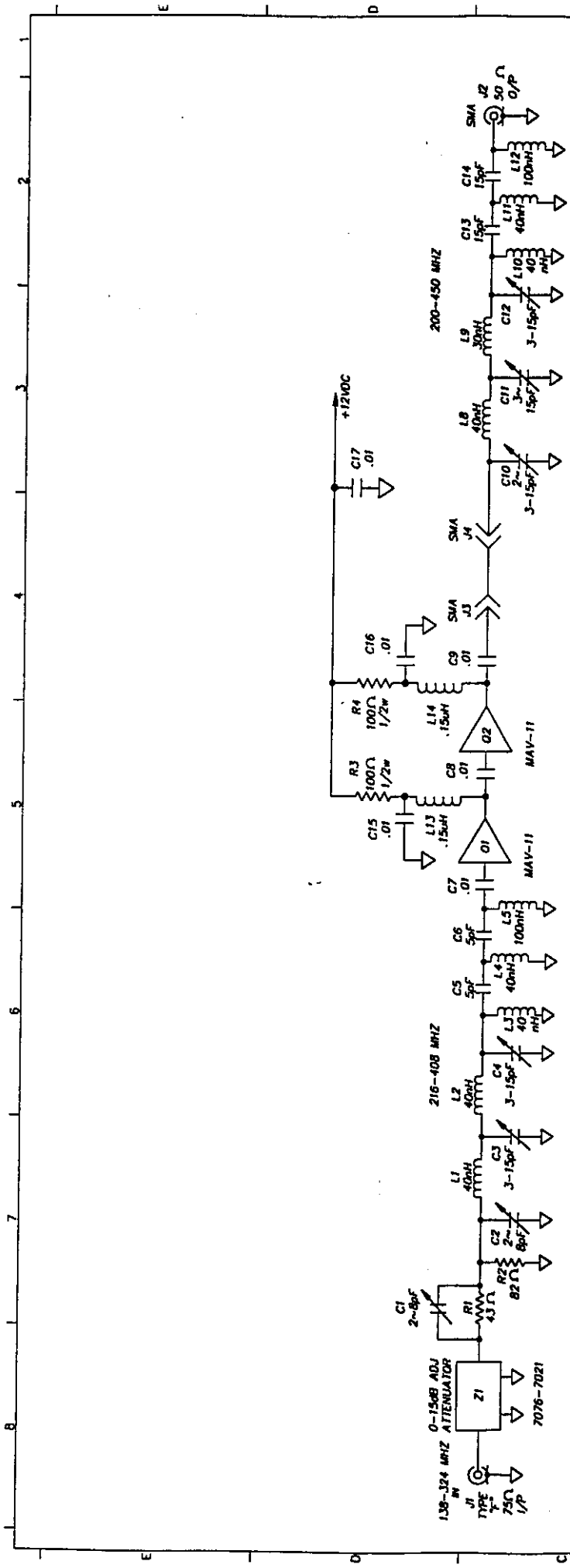
UNUSED SECTION



ITS CORPORATION				REV	ECN	DATE	APV
TITLE				SCHEMATIC			
				TRANSMITTER CONTROL BD.			
				(1510-1104)			
DWG. NO.	CHK	CAR	3-28-84	5/10/84	1510-3104	P0	REV
FINISH							



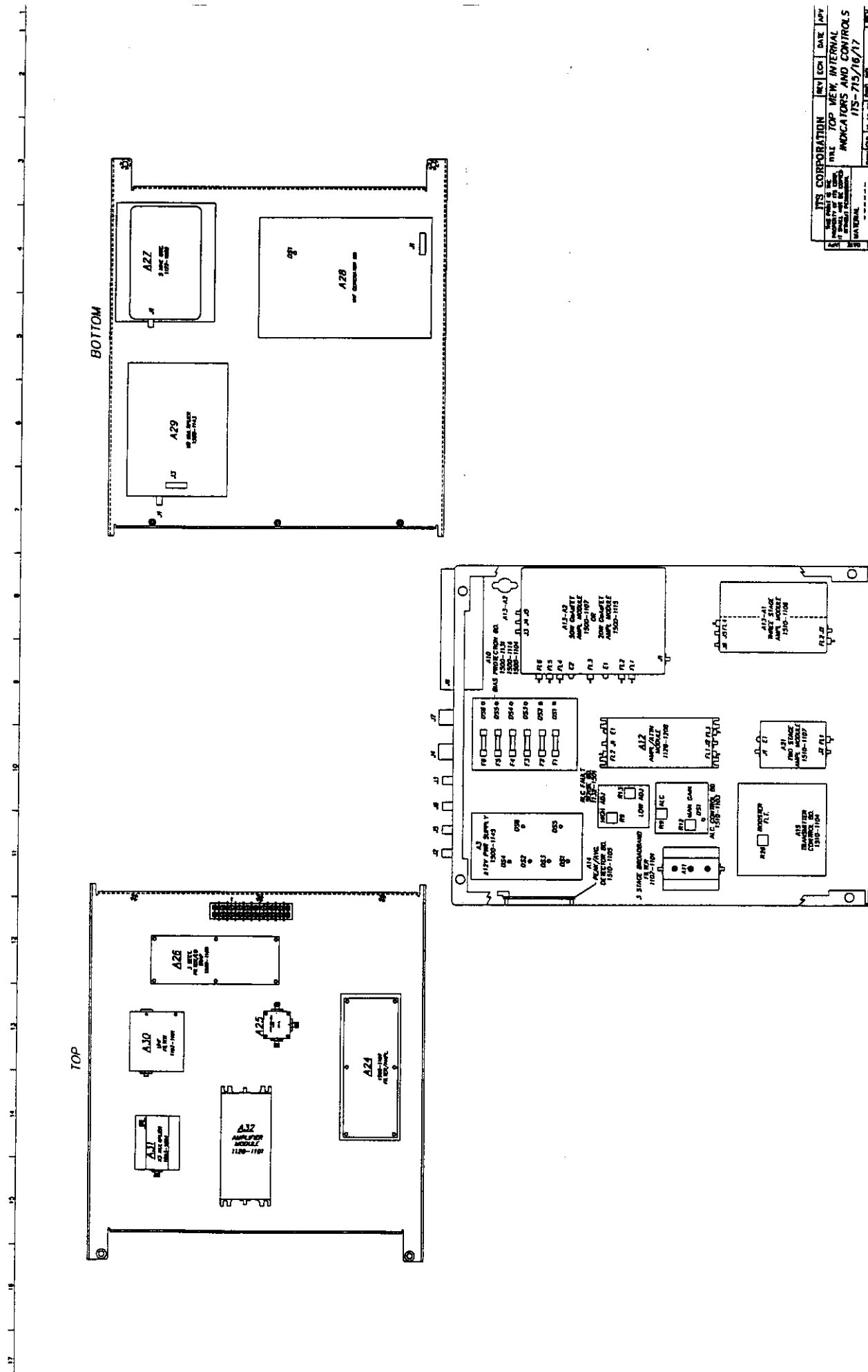
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
RCB				SCHEMATIC -			
RCB				PEAK/AVG DETECTOR			
RCB				(1510-1105)			
RCB				MATERIAL			
RCB				FINISH			
RCB				DWG. NO.			
RCB				1510-3105			
RCB				REV			
RCB				P2			



NOTES:
 1) L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15: 5 TURNS 20AWG @ 125 DIA.
 2) L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15: 5 TURNS 20AWG @ 25 DIA.

EXTENSIVE COMPONENT VALUE CHANGES		REV		ECN		DATE		APV	
P1	01/17/95								
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.									
MATERIAL									
FINISH									
DWN									
KEF									
4-12-94									
DWG. NO.									
1509-3107									
REV									
P1									
B SCALE 1:1 SHEET 1 OF 1									

ITS CORPORATION
 TITLE
 SCHEMATIC--
 FILTER/AMPL BD.
 138 - 324 MHz



ITS CORPORATION		REV	EXP	DATE	APP
TOP VIEW INTERNAL					
INDICATORS AND CONTROLS					
ITS-715/16/17					
Drawn	By	10-10-80	1500	7001	0
Checked	By				
Approved	By				

TYPICAL SIGNAL LEVELS

REF. PT.	40K SYS	80K SYS	120K SYS	160K SYS	180K SYS	310K SYS
A	-16dBm/CH					
B	-18dBm/CH					
C	-19dBm/CH					
D	-25dBm/CH					
E	-32dBm/CH					
F	-33dBm/CH					
G	-34dBm/CH					

NOTES:
1.(USED IF LEVELS REQUIRE)

REF. PT.	404 SYS.	804 SYS.	1204 SYS.	1604 SYS.	3104 SYS.
A	-168m/DH				
B	-168m/DH				
C	-1968m/DH				
D	-2568m/DH				
E	-3268m/DH				
F	-3568m/DH				
G	-3468m/DH				

ITS CORPORATION		REV	CO	DATE	APP
THE ABOVE IS THE PROPERTY OF ITS CORPORATION. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ITS CORPORATION.		FILE BLOCK DIAGRAM: TRANSULATOR UPCONVERTER 175-715/18/17	REV 187 10/10/10 DATE 10/10/10	DATE 10/10/10 DATE 10/10/10	APP 10/10/10 APP 10/10/10