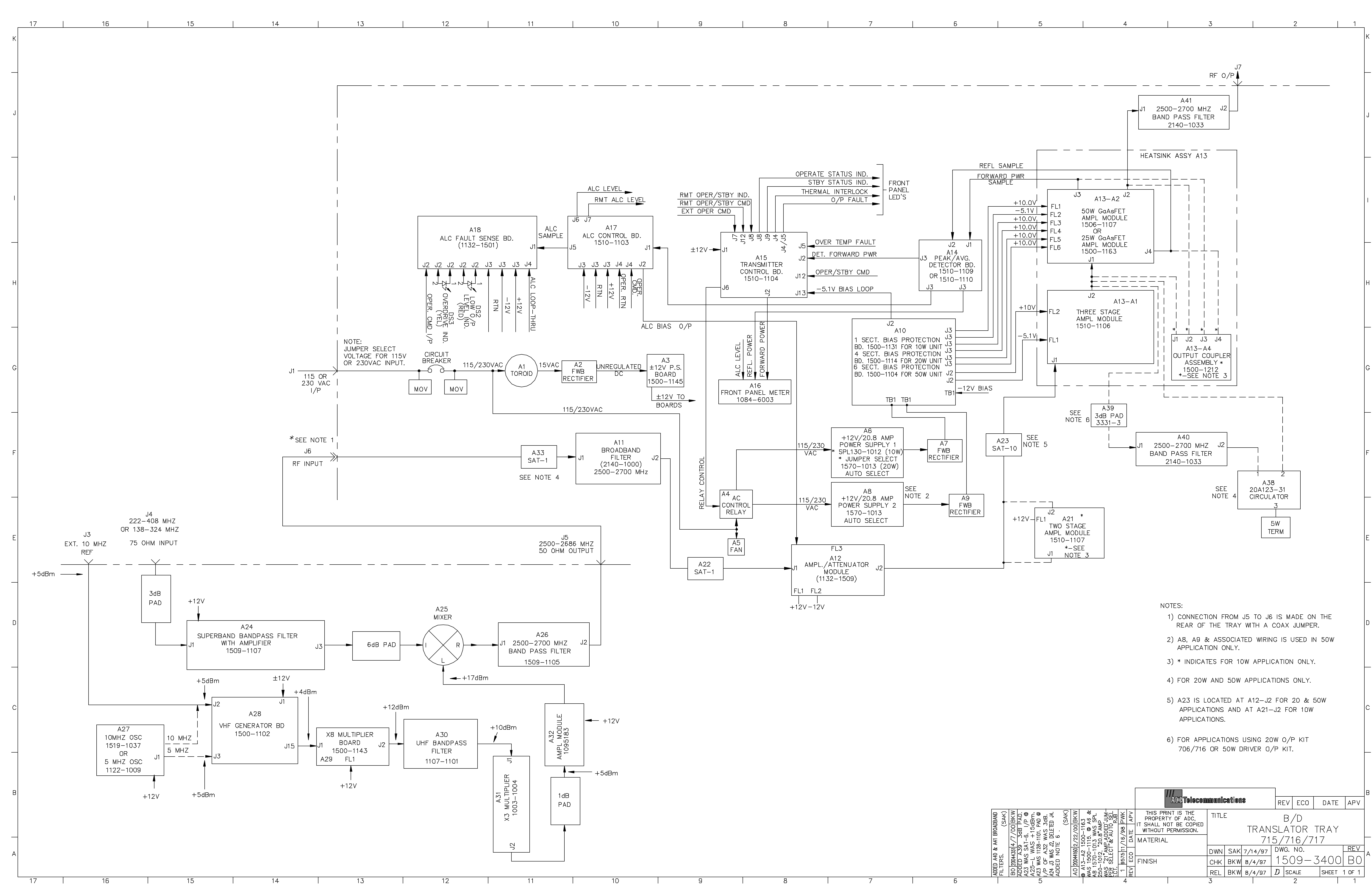
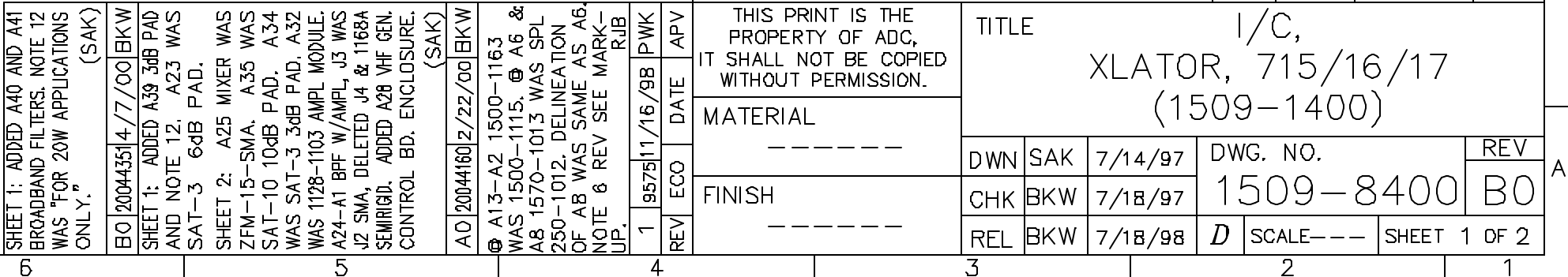
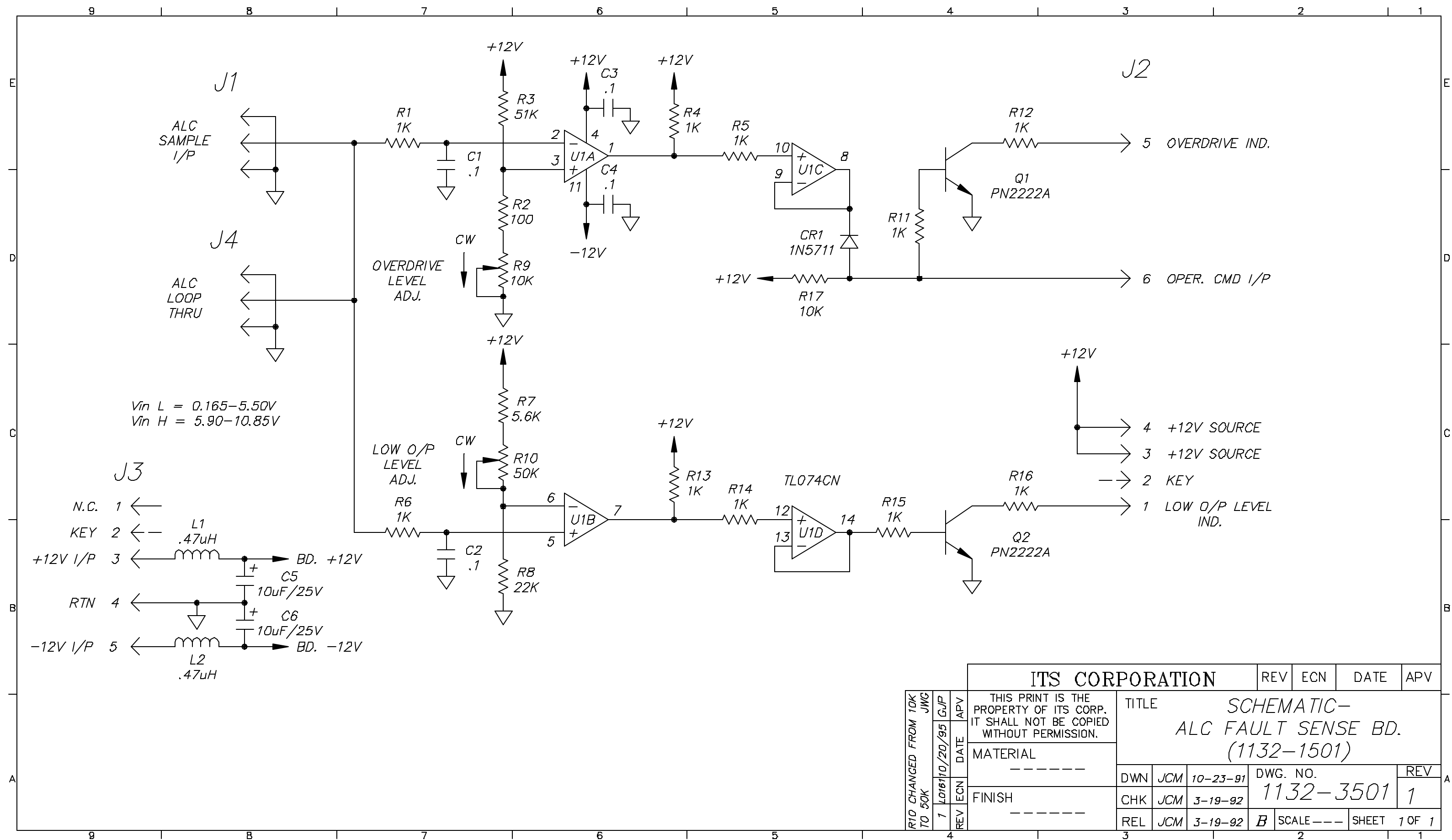
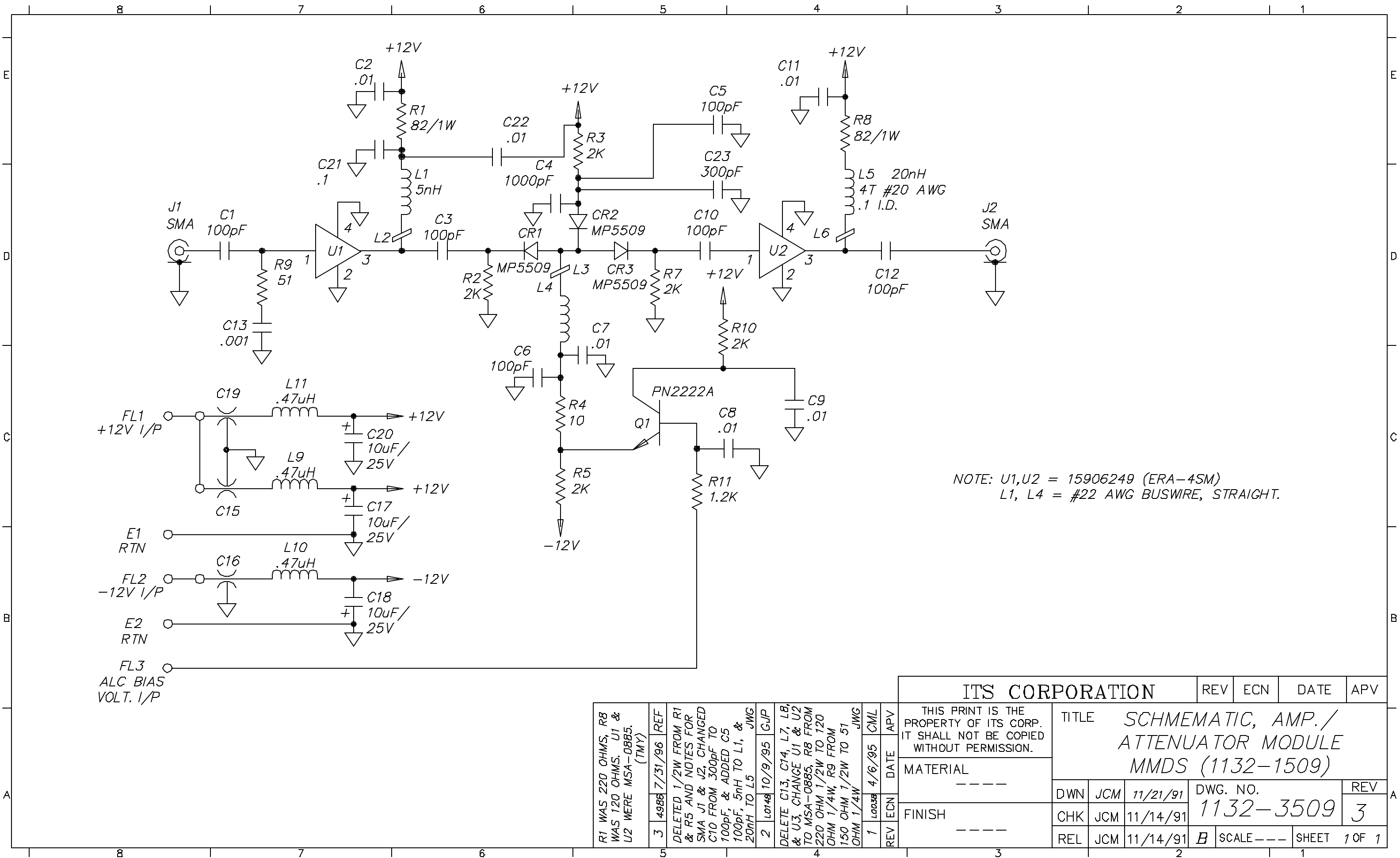




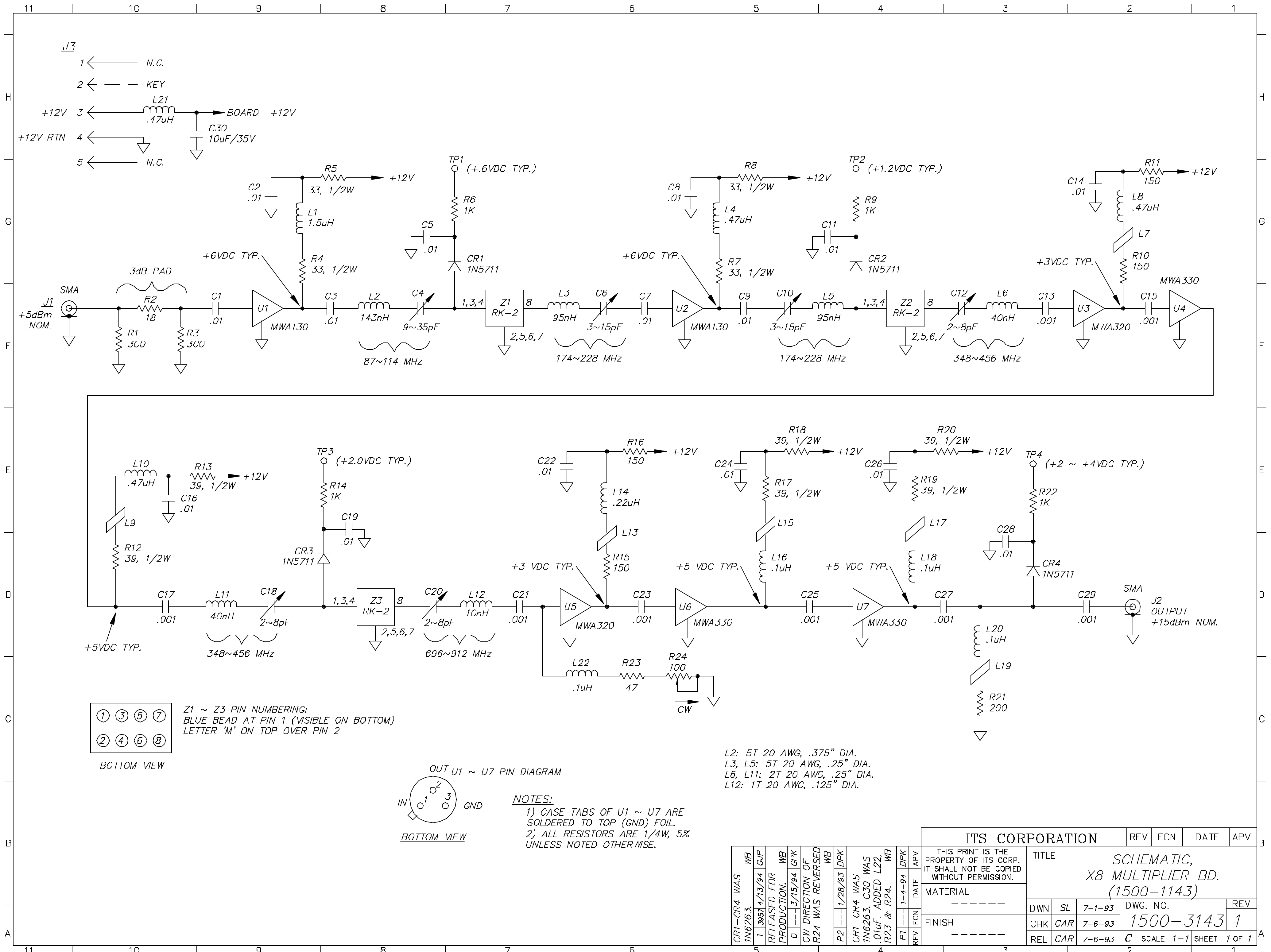






R1 WAS 220 OHMS, R8 WAS 120 OHMS. U1 & U2 WERE MSA-0885. (TMY)		3	4986	7/31/96	REF
DELETED 1/2W FROM R1 & R5 AND NOTES FOR SMA J1 & J2, CHANGED C10 FROM 300pF TO 100pF, & ADDED C5 100pF, 5nH TO L1, & 20nH TO L5		2	L0148	10/9/95	CJP
DELETE C13, C14, L7, L8, & U3, CHANGE U1 & U2 TO MSA-0885, R8 FROM 220 OHM 1/2W TO 120 OHM 1/4W, R9 FROM 150 OHM 1/2W TO 51 OHM 1/4W		1	L0035	4/6/95	CML
REV	ECN	DATE	APV		

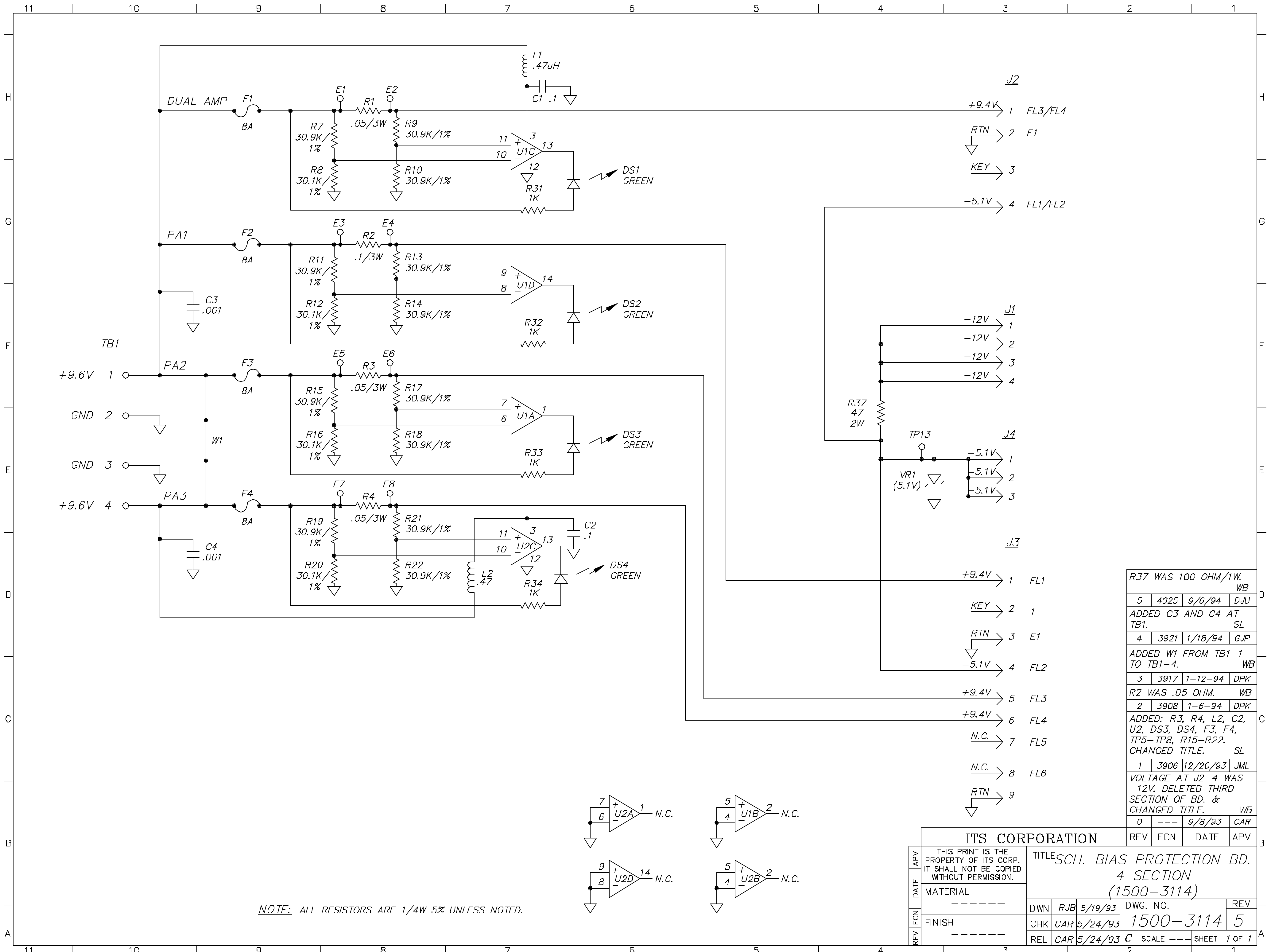
ITS CORPORATION			REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			TITLE			
			SCHMEMATIC, AMP./ATTENUATOR MODULE MMDS (1132-1509)			
MATERIAL			DWN	JCM	11/21/91	DWG. NO.
FINISH			CHK	JCM	11/14/91	1132-3509
			REL	JCM	11/14/91	REV
			SCALE ---		SHEET 1 OF 1	



L2: 5T 20 AWG, .375" DIA.
L3, L5: 5T 20 AWG, .25" DIA.
L6, L11: 2T 20 AWG, .25" DIA.
L12: 1T 20 AWG, .125" DIA.

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

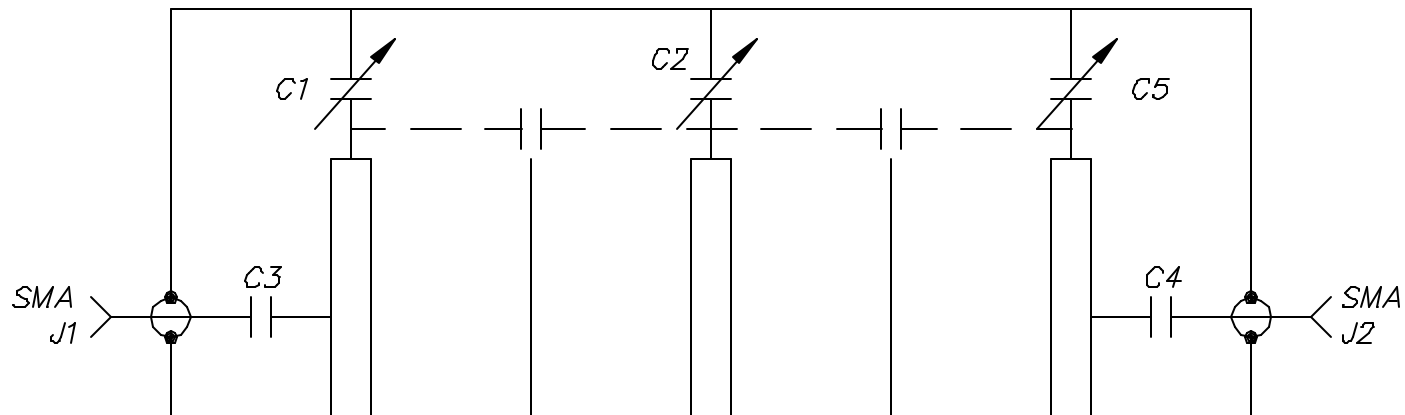
CR1-CR4 WAS 1N6263.				1 1395 4/13/94 GJP RELEASED FOR PRODUCTION.				WB 0 1 3/15/94 GPK CW DIRECTION OF R24 WAS REVERSED				WB P2 1/28/93 DPK CR1-CR4 WAS 1N6263. C30 WAS .01uF. ADDED L22, R23 & R24.				WB P1 1-4-94 DPK REV EGN DATE APV				THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC, X8 MULTIPLIER BD. (1500-1143)				REV	ECN	DATE	APV
DWN				SL				7-1-93				DWG. NO.				REV				1500-3143				1							
CHK				CAR				7-6-93				REL				CAR				7-6-93				C				SCALE 1=1			
																												SHEET 1 OF 1			



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

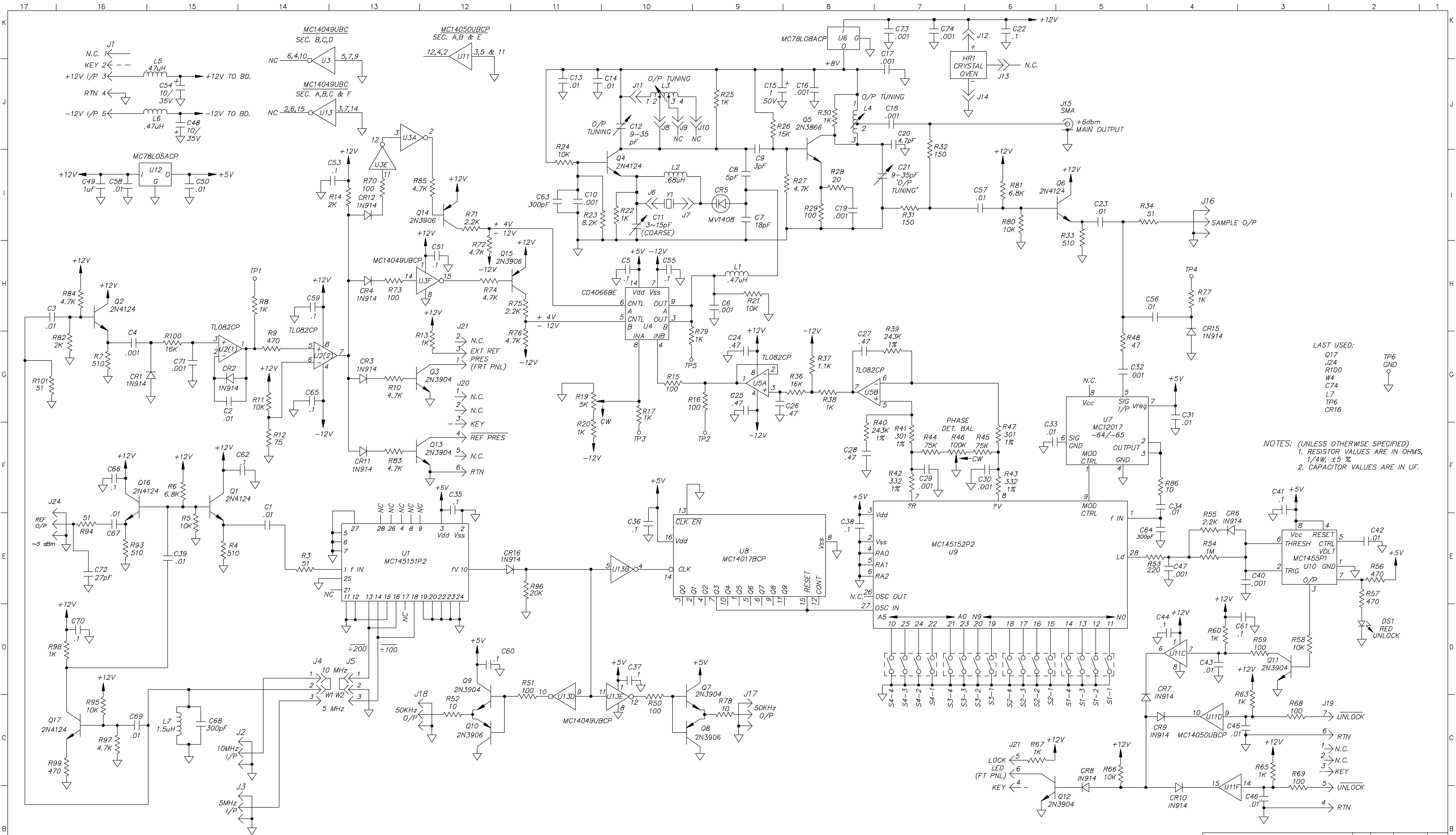
R37 WAS 100 OHM/1W.				WB
5	4025	9/6/94	DJU	
ADDED C3 AND C4 AT TB1.				SL
4	3921	1/18/94	GJP	
ADDED W1 FROM TB1-1 TO TB1-4.				WB
3	3917	1-12-94	DPK	
R2 WAS .05 OHM.				WB
2	3908	1-6-94	DPK	
ADDED: R3, R4, L2, C2, U2, DS3, DS4, F3, F4, TP5-TP8, R15-R22.				SL
CHANGED TITLE.				
1	3906	12/20/93	JML	
VOLTAGE AT J2-4 WAS -12V. DELETED THIRD SECTION OF BD. & CHANGED TITLE.				WB
0	---	9/8/93	CAR	

ITS CORPORATION					REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.					TITLE			
					SCH. BIAS PROTECTION BD. 4 SECTION (1500-3114)			
MATERIAL					DWG. NO.			
FINISH					1500-3114			
---					5			
---					1 OF 1			

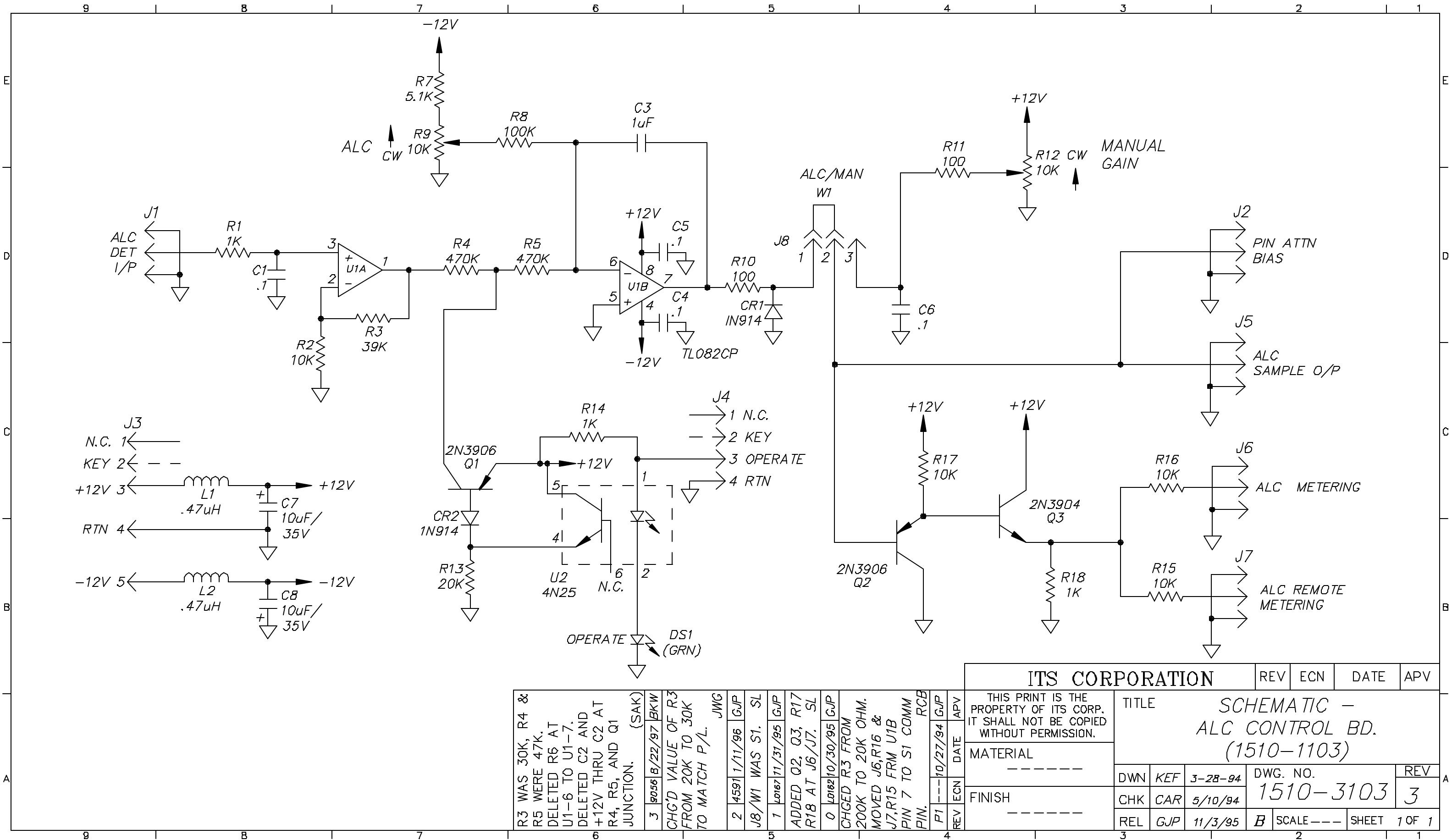


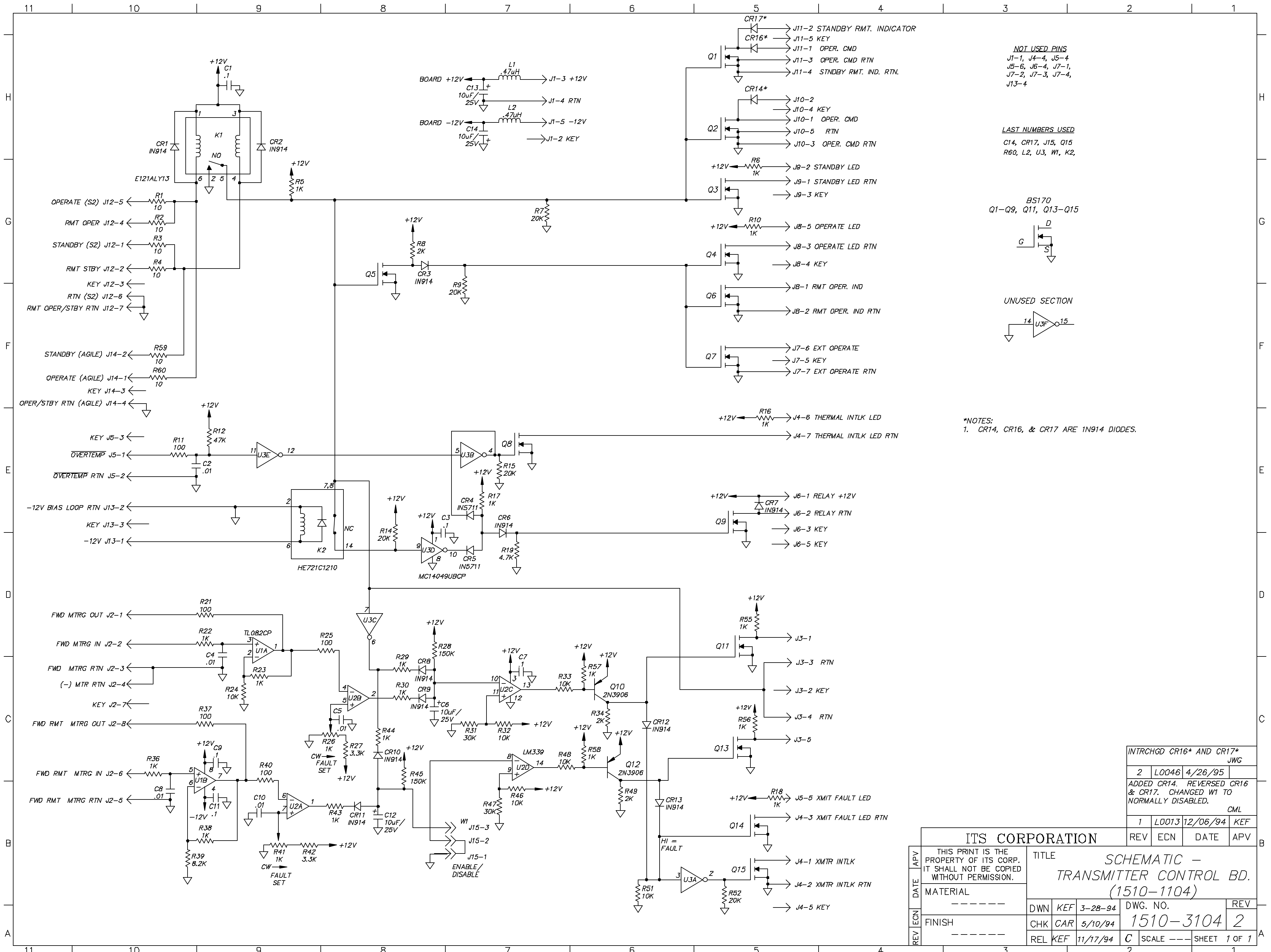
NOTE: C3 & C4 ARE PROBE CAPACITANCE TO RESONATOR RODS.
C1, C2 & C5 ARE TUNING SCREWS.

ITS CORPORATION				REV	ECN	DATE	APV
REV	ECN	DATE	APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			
				MATERIAL			
				FINISH			
TITLE				SCHEMATIC – BROAD BAND CAVITY FILTER, 3 SECTION (1107–1101)			
DWN		JEO	6/27/88	DWG. NO.		REV	
CHK		RE	6/29/88	1107–3101		0	
REL		RE	6/29/88	A	SCALE ---	SHEET 1 OF 1	



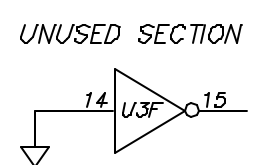
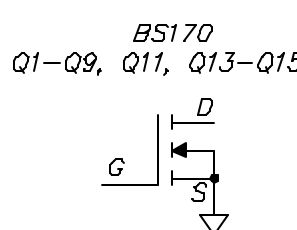
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				SCHEMATIC- VHF GENERATOR BD. (1500-1102)			
FINISH				DWN RJB 12/15/92 DWG. NO. 1500-3102			
REV				REL CAR 3/3/93 D SCALE--- SHEET 1 OF 1			





NOT USED PINS
J1-1, J4-4, J5-4
J5-6, J6-4, J7-1,
J7-2, J7-3, J7-4,
J13-4

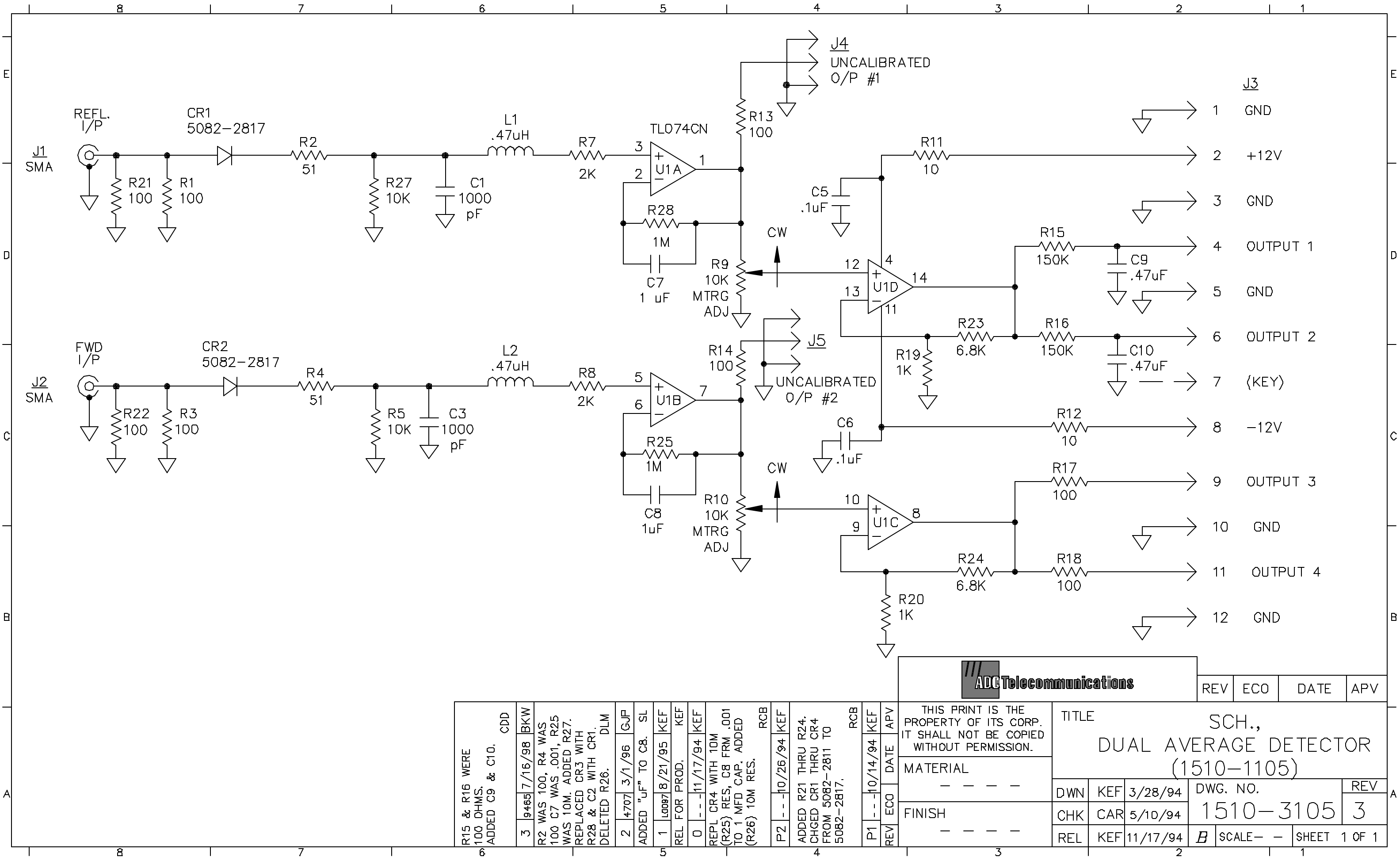
LAST NUMBERS USED
C14, CR17, J15, Q15
R60, L2, U3, W1, K2,



*NOTES:
1. CR14, CR16, & CR17 ARE 1N914 DIODES.

INTRCHGD CR16* AND CR17* JWG			
2	L0046	4/26/95	
ADDED CR14. REVERSED CR16 & CR17. CHANGED W1 TO NORMALLY DISABLED.			
1	L0013	12/06/94	KEF

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC - TRANSMITTER CONTROL BD. (1510-1104)			
				DWN	KEF	3-28-94	DWG. NO.
MATERIAL				CHK	CAR	5/10/94	1510-3104
FINISH				REL	KEF	11/17/94	2
				SCALE ---		SHEET 1 OF 1	

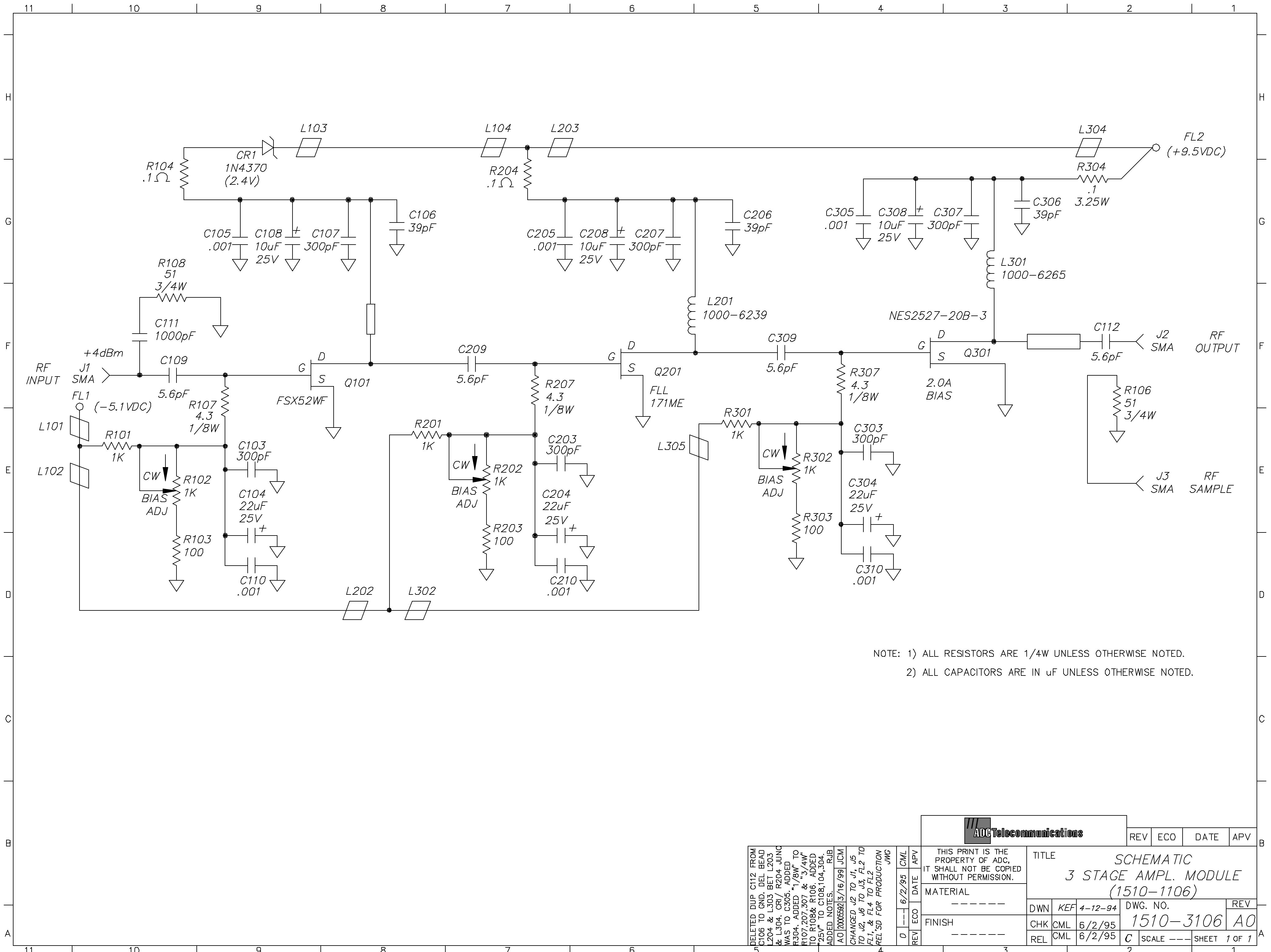


REV	ECO	DATE	APV
-----	-----	------	-----

R15 & R16 WERE 100 OHMS. ADDED C9 & C10. CDD				3	9465	7/16/98	BKW	R2 WAS 100, R4 WAS 100 C7 WAS .001, R25 WAS 10M. ADDED R27. REPLACED CR3 WITH R28 & C2 WITH CR1. DELETED R26. DLM				2	4707	3/1/96	GJF	SL	ADDED "UF" TO C8. SL				1	10087	8/21/95	KEF	KEF	REL FOR PROD. KEF				0	--	--	11/17/94	KEF	REPL CR4 WITH 10M (R25) RES, C8 FRM .001 TO 1 MFD CAP. ADDED (R26) 10M RES. RCB				P2	--	--	10/26/94	KEF	ADDED R21 THRU R24. CHGED CR1 THRU CR4 FROM 5082-2811 TO 5082-2817. RCB				P1	--	--	10/14/94	KEF	APV
---	--	--	--	---	------	---------	-----	--	--	--	--	---	------	--------	-----	----	----------------------	--	--	--	---	-------	---------	-----	-----	-------------------	--	--	--	---	----	----	----------	-----	--	--	--	--	----	----	----	----------	-----	--	--	--	--	----	----	----	----------	-----	-----

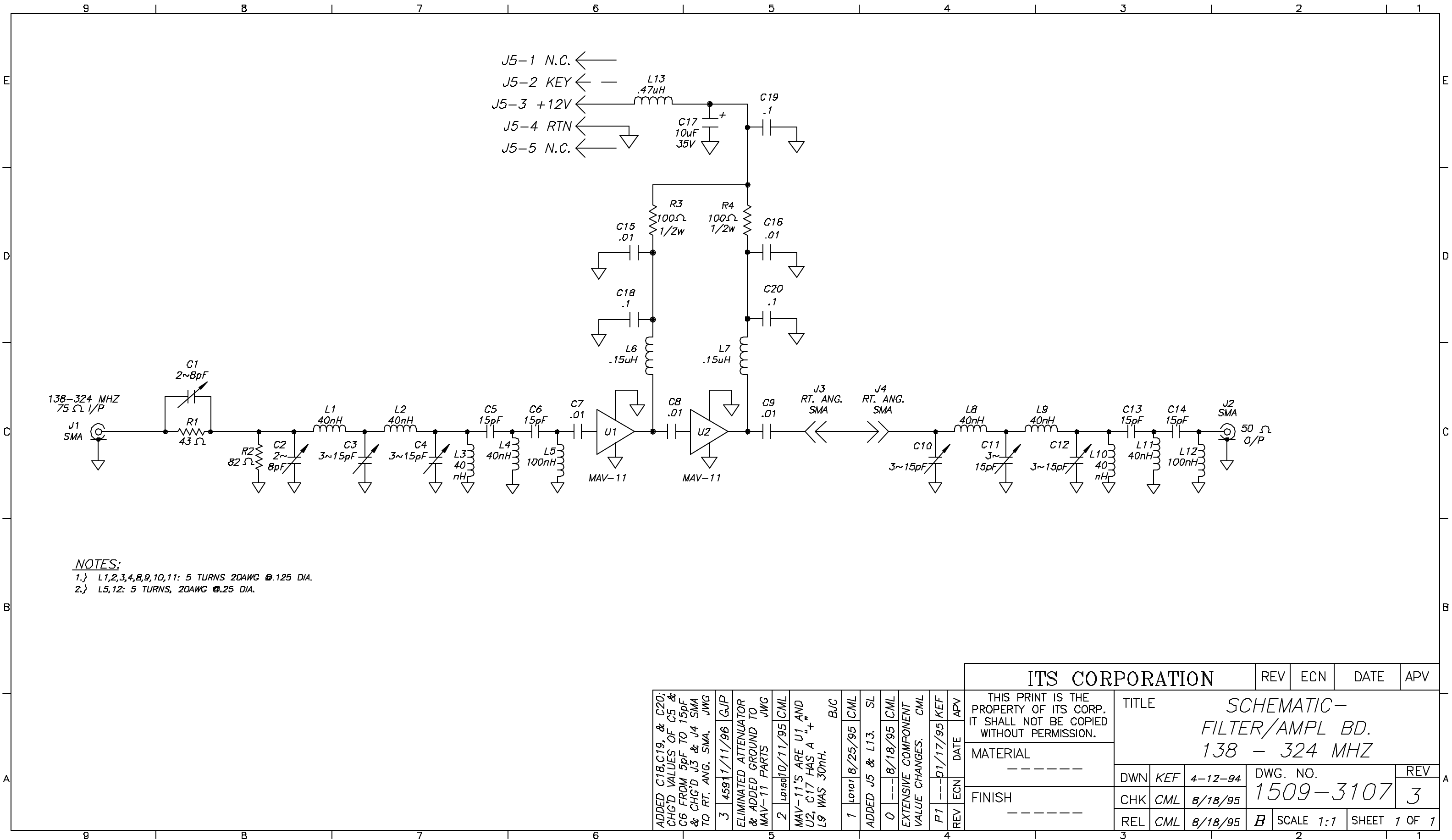
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				MATERIAL				FINISH			
---				---				---			

TITLE										SCH., DUAL AVERAGE DETECTOR (1510-1105)									
DWN		KEF		3/28/94		DWG. NO.						REV							
CHK		CAR		5/10/94		1510-3105						3							
REL		KEF		11/17/94		B		SCALE- -				SHEET 1 OF 1							



NOTE: 1) ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.

ADCTelecommunications					REV	ECO	DATE	APV
THIS PRINT IS THE PROPERTY OF ADC, IT SHALL NOT BE COPIED WITHOUT PERMISSION.					TITLE			
					SCHEMATIC			
MATERIAL					3 STAGE AMPL. MODULE			
					(1510-1106)			
FINISH					DWN	KEF	4-12-94	DWG. NO.
					CHK	CML	6/2/95	1510-3106
REV					REL	CML	6/2/95	REV
					SCALE ---		SHEET 1 OF 1	

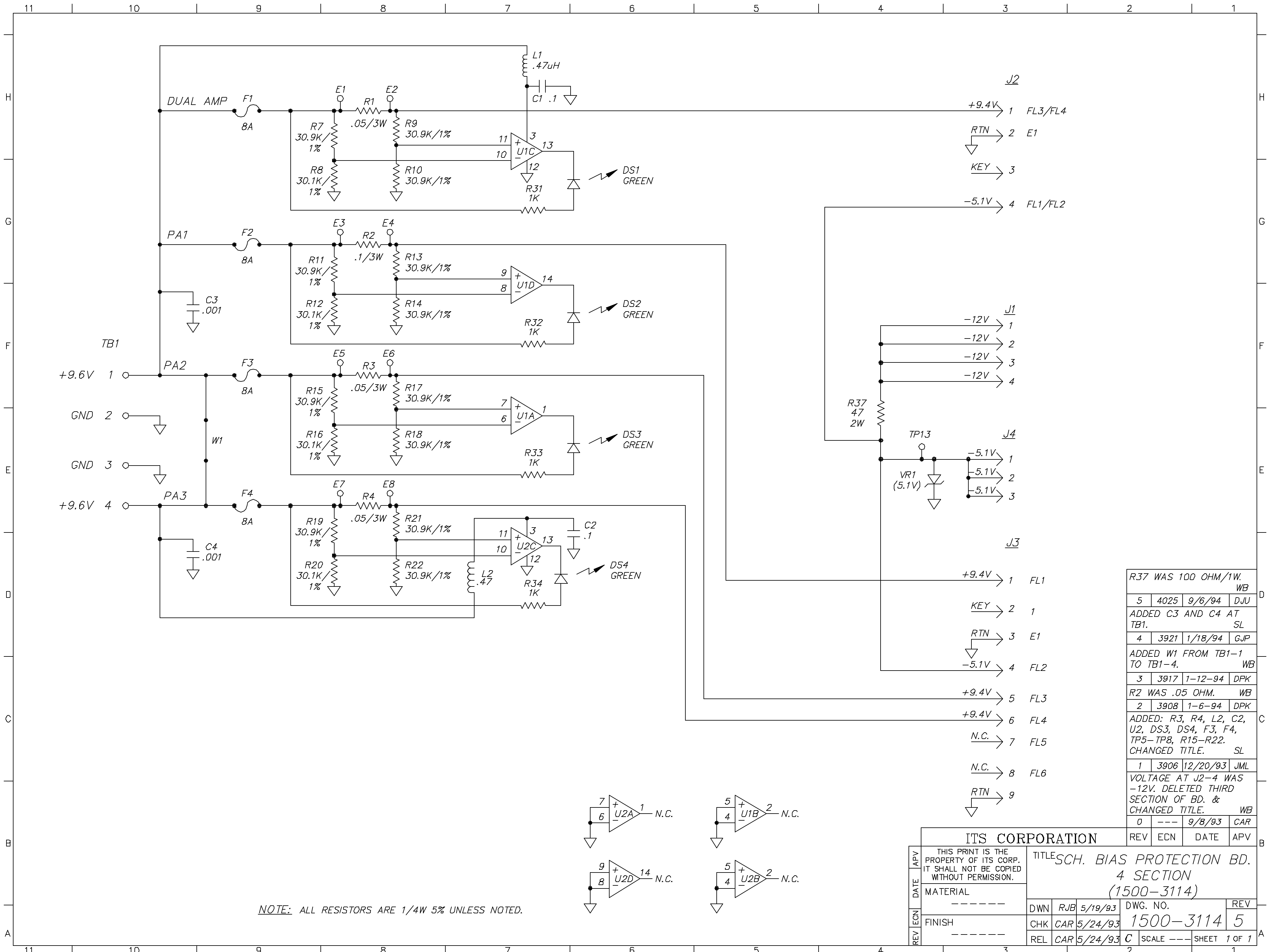


NOTES:

- 1.) L1,2,3,4,8,9,10,11: 5 TURNS 20AWG @.125 DIA.
- 2.) L5,12: 5 TURNS, 20AWG @.25 DIA.

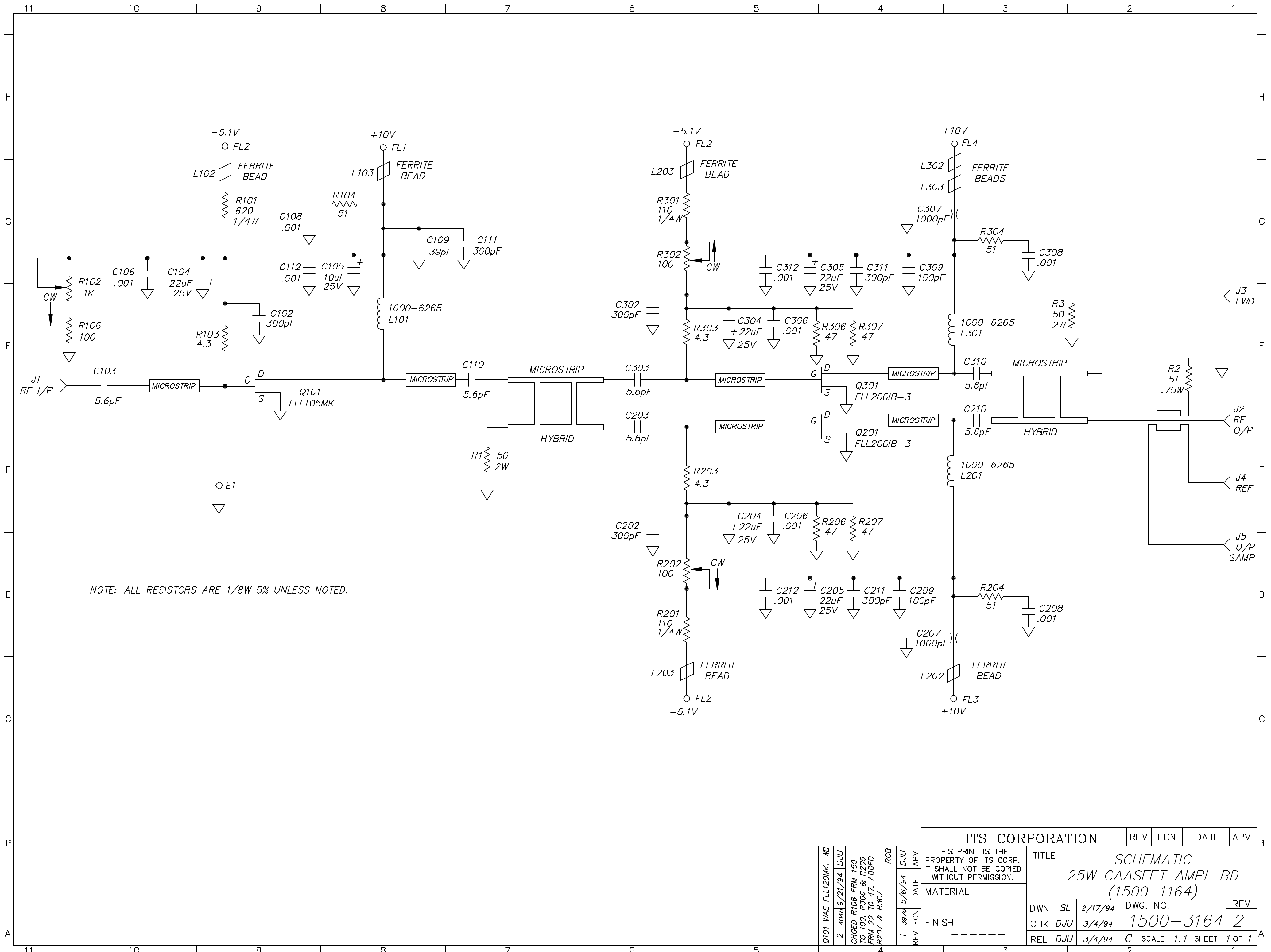
ADDED C18,C19, & C20: CHG'D VALUES OF C5 & C6 FROM 5pF TO 15pF & CHG'D J3 & J4 SMA TO RT. ANG. SMA. JWG		3	459	11/11/96	GJP
		ELIMINATED ATTENUATOR & ADDED GROUND TO MAV-11 PARTS JWG			
		2	10150	10/11/95	CML
		MAV-11'S ARE U1 AND U2, C17 HAS A "+" L9 WAS 30nH. BUC			
ADDED J5 & L13. SL		1	10101	8/25/95	CML
		0	---	8/18/95	CML
		EXTENSIVE COMPONENT VALUE CHANGES. CML			
		P1	---	01/17/95	KEF
REV	ECN	DATE	APV		

ITS CORPORATION			REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			TITLE SCHEMATIC- FILTER/AMPL BD. 138 - 324 MHZ			
			MATERIAL -----			
FINISH -----			DWN	KEF	4-12-94	DWG. NO. 1509-3107
			CHK	CML	8/18/95	REV 3
REL	CML	8/18/95	B	SCALE 1:1	SHEET 1 OF 1	



R37 WAS 100 OHM/1W.				WB
5	4025	9/6/94	DJU	
ADDED C3 AND C4 AT TB1.				SL
4	3921	1/18/94	GJP	
ADDED W1 FROM TB1-1 TO TB1-4.				WB
3	3917	1-12-94	DPK	
R2 WAS .05 OHM.				WB
2	3908	1-6-94	DPK	
ADDED: R3, R4, L2, C2, U2, DS3, DS4, F3, F4, TP5-TP8, R15-R22.				SL
CHANGED TITLE.				
1	3906	12/20/93	JML	
VOLTAGE AT J2-4 WAS -12V. DELETED THIRD SECTION OF BD. & CHANGED TITLE.				WB
0	---	9/8/93	CAR	

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCH. BIAS PROTECTION BD. 4 SECTION (1500-3114)			
REV	ECN	DATE	APV	DWN RJB 5/19/93 DWG. NO. 1500-3114			
DATE	APV	MATERIAL				REV	
ECN	APV	FINISH				CHK	CAR 5/24/93
REV	ECN					REL	CAR 5/24/93
				SCALE --- SHEET 1 OF 1			



NOTE: ALL RESISTORS ARE 1/8W 5% UNLESS NOTED.

Q101 WAS FLL120MK. WB				RCB				THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
2	1404d	9/21/94	DJU	CHGED R106 FRM 150 TO 100, R306 & R206 FRM 22 TO 47. ADDED R207 & R307.	1	397d	5/6/94	DATE	APV	SCHEMATIC				REV	ECN
								MATERIAL				25W GAASFET AMPL BD			
								FINISH				(1500-1164)			
								DWN				DWG. NO.			
								CHK				1500-3164			
								REL				2			
								SCALE				1:1			
								SHEET				1 OF 1			