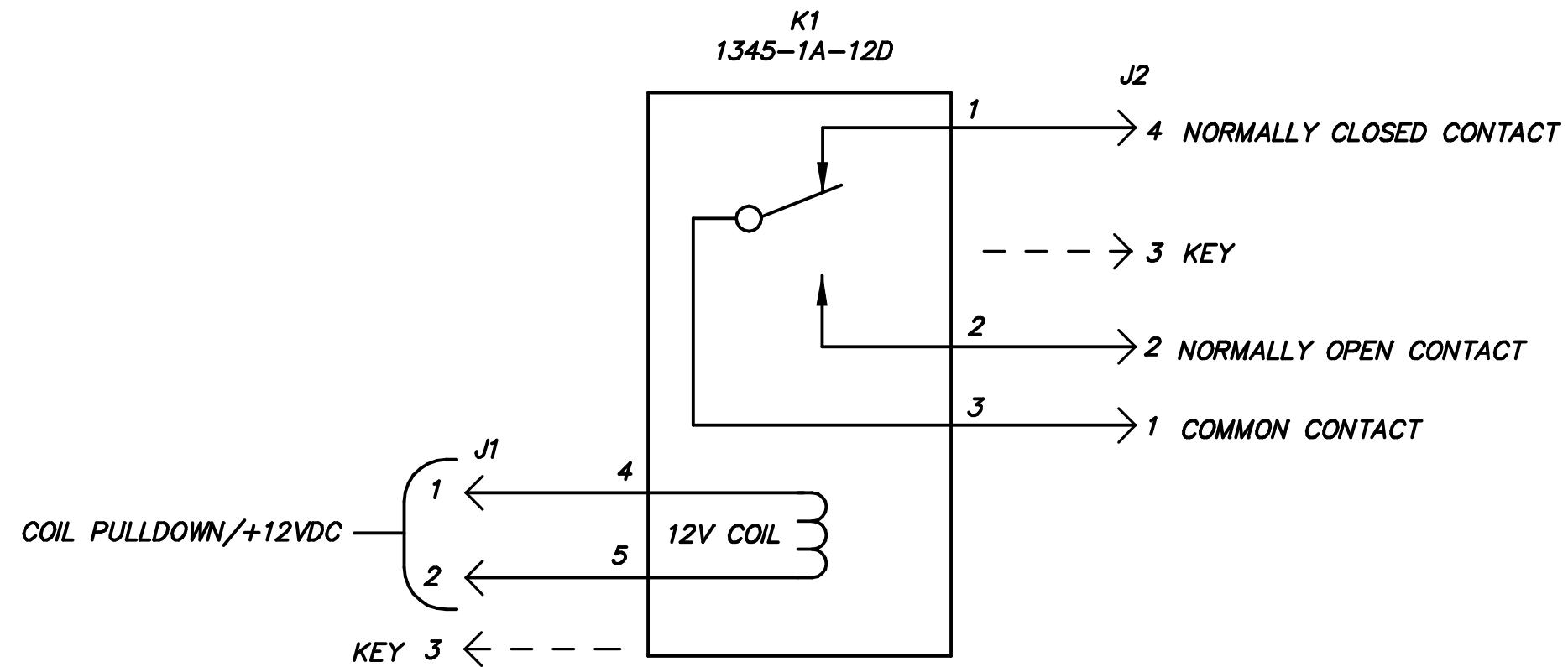
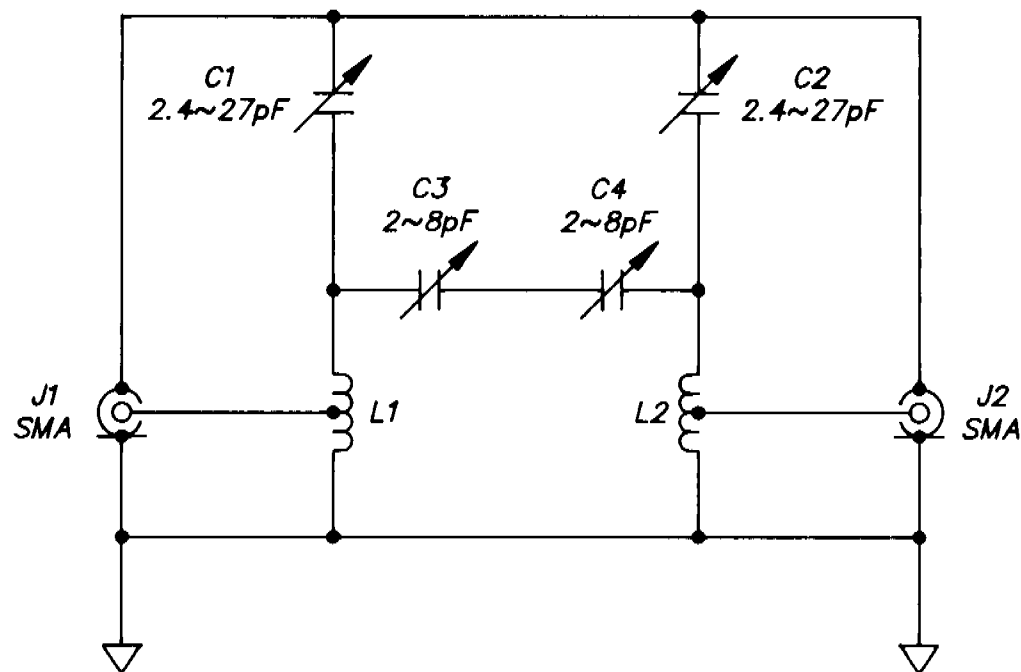




REDRAWN ON CAD. (RFB)			
0	2437	8-29-90	JCM
REV	ECN	DATE	APV

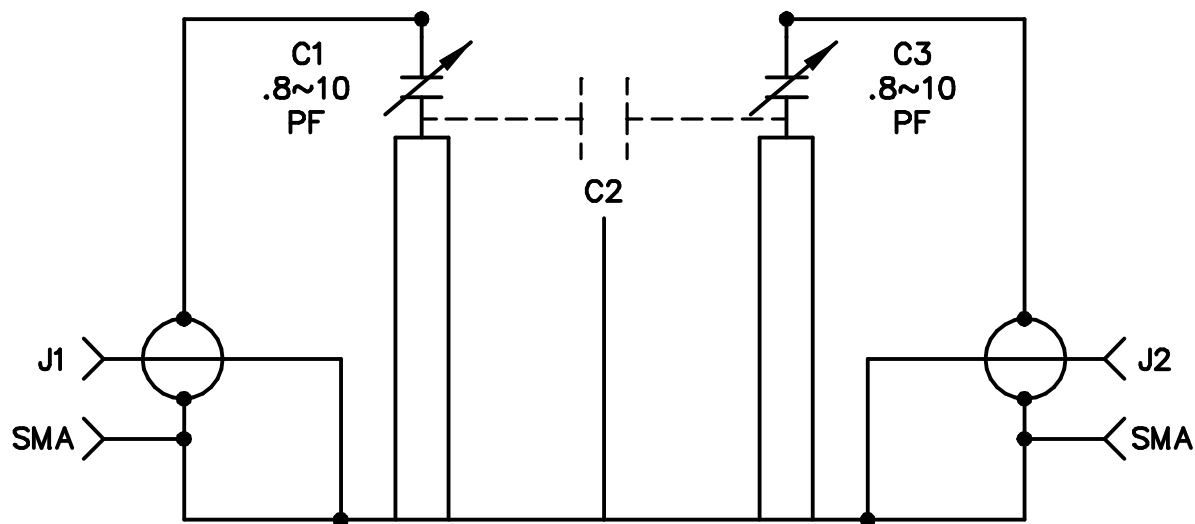
ITS CORPORATION			
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			
TITLE 91-00-00-50A-61 ISOLATION RELAY BOARD			
DWN	RWZ	11-1-82	DWG. NO.
CHK	JCM	8/29/90	1002-3108
REL	JCM	8/29/90	B SCALE --- SHEET 1 OF 1



NOTE: C3 AND C4 ARE FREQUENCY
DEPENDENT; MAY BE REMOVED
FOR HIGHEST CHANNEL.

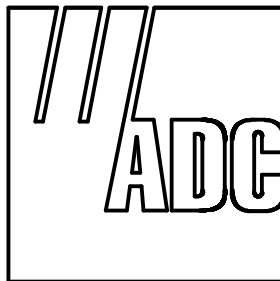
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC - VHF FILTER (1005-1208)			
REV	ECN	DATE	APV	DWN	TM	6/13/85	DWG. NO.
				CHK	CAR	1/24/92	1005-3208
				REL	CAR	1/24/92	0
MATERIAL ---				SCALE ---			
FINISH ---				SHEET 1 OF 1			

DO NOT REVISE



NOTE: C2 IS STRAY CAPACITANCE
BETWEEN LINE SECTIONS.

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



THIS PRINT IS THE
PROPERTY OF ADC,
IT SHALL NOT BE COPIED
WITHOUT PERMISSION.

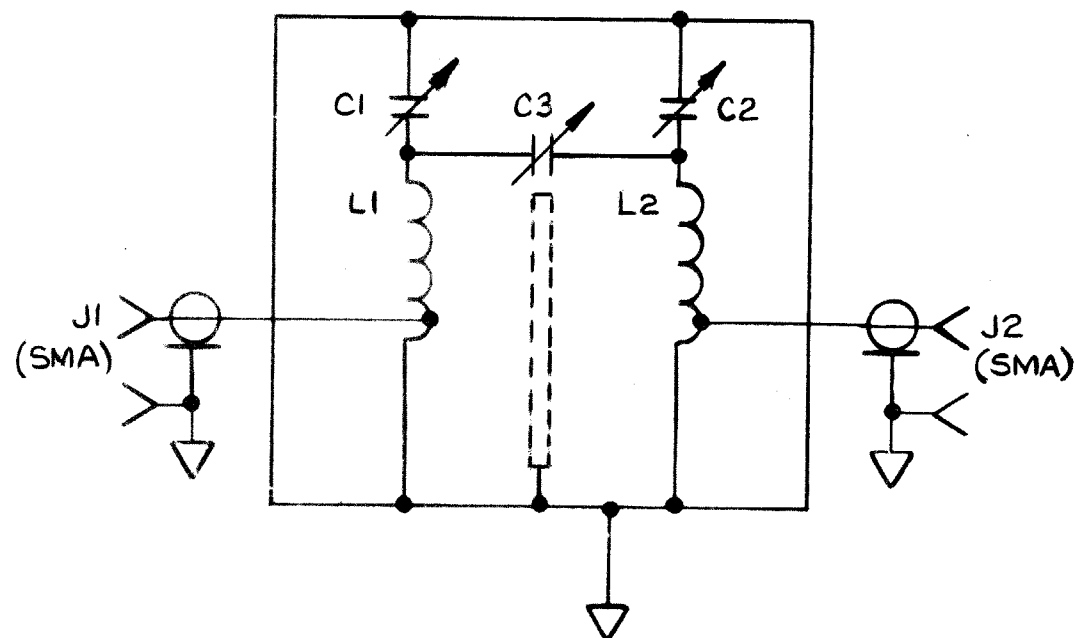
MATERIAL

FINISH

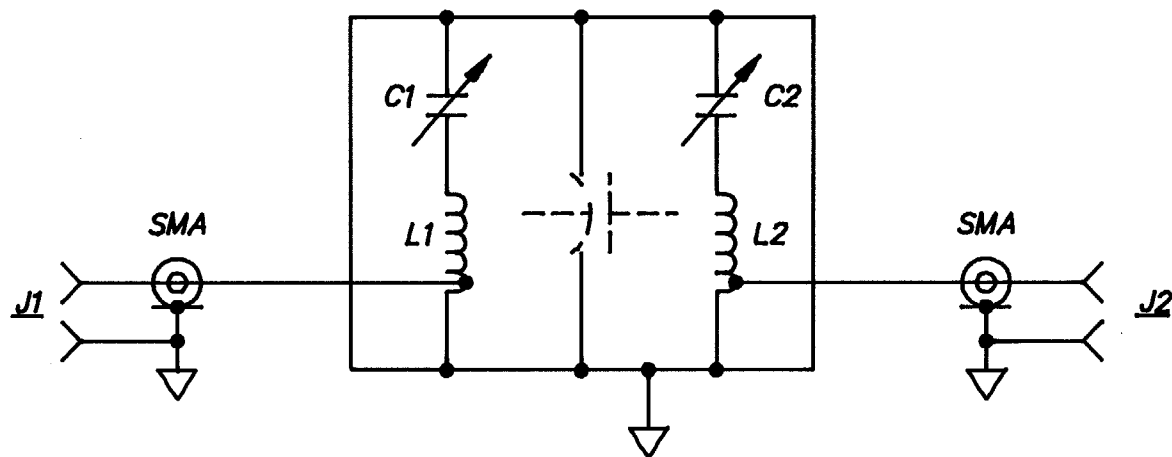
TITLE **91-00-00-50Z-61**
UHF FILTER

DWN	DD	9/13/83	DWG. NO.	REV
CHK	RWZ	9/13/83	1007-3101	0
REL	RWZ	7/20/90	A SCALE ---	SHEET 1 OF 1

C3	APPLICATIONS	C1, C2	L1, L2
	(CHANNEL HIGH BAND)		
.5 - 8 pf	1034-1302 (CHANNEL LOW BAND)	1-20 pf	10 TURNS

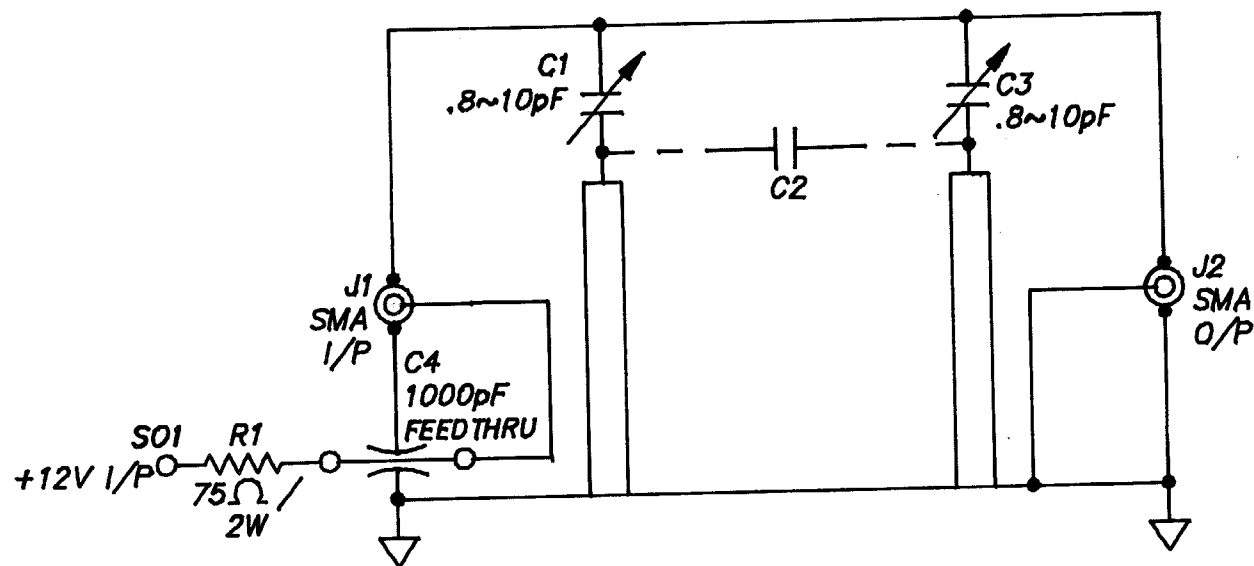


ECN	DATE	BY	DESCRIPTION	CK	REL
DWN	11/6/86	P. 118	SCHEMATIC, 2 SECTION UHF LOW BAND CH. FILTER (1034-1202)		
CKD					
REL					
INFORMATION TRANSMISSION SYSTEMS CORP				A	1034-3202 REV P



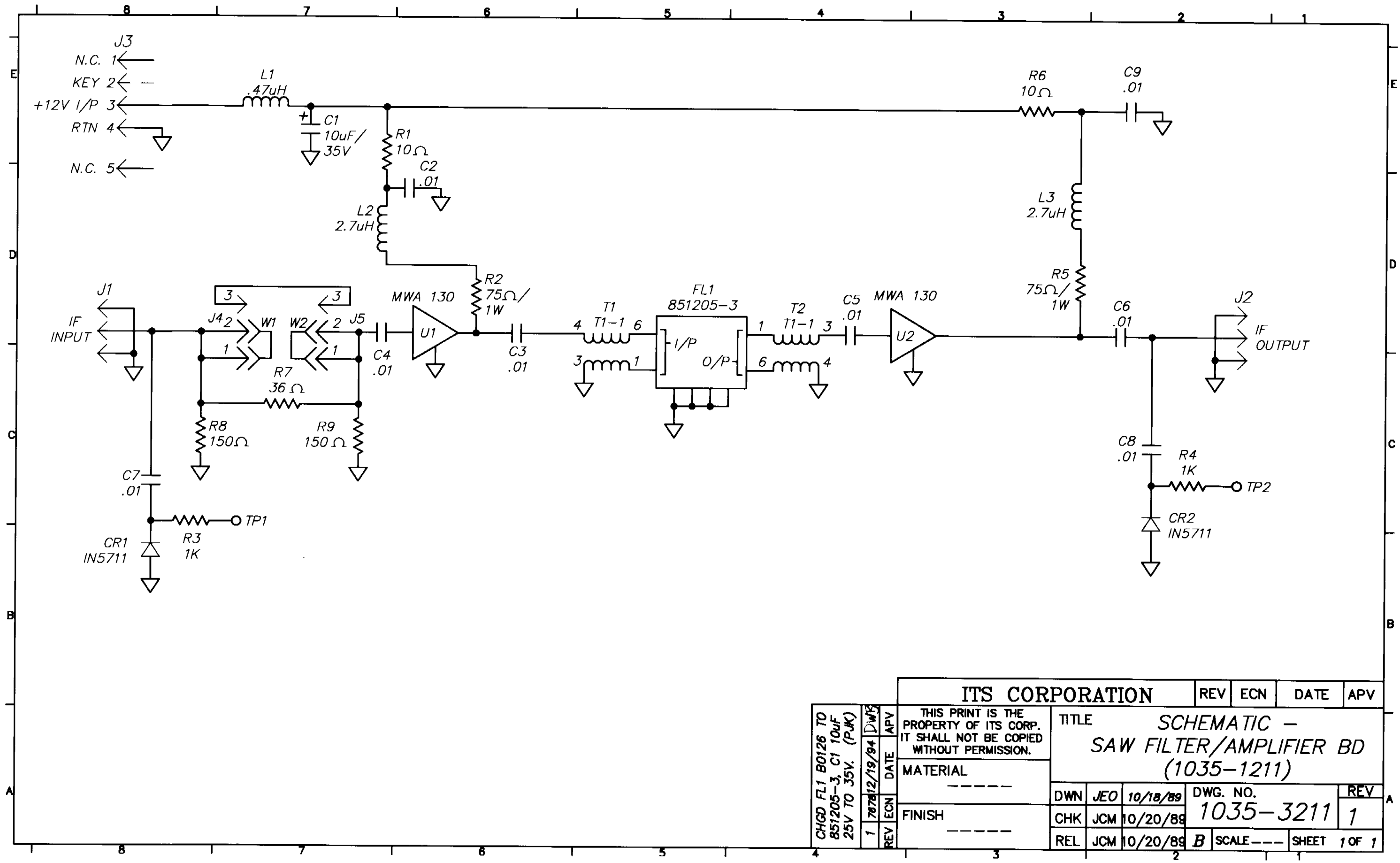
L1, L2 - 10 TURN #14 AWG WIRE .5" DIA.
C1, C2 - 1~20pF

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 - VHF L.O. FILTER, 2 SECTION LOW BAND (1034-1211)				DWN	CR	3/17/87	DWG. NO.
				CHK	DWB	3/17/87	1034-3211
				REL	DWB	4/15/87	A
				SCALE --- SHEET 1 OF 1			

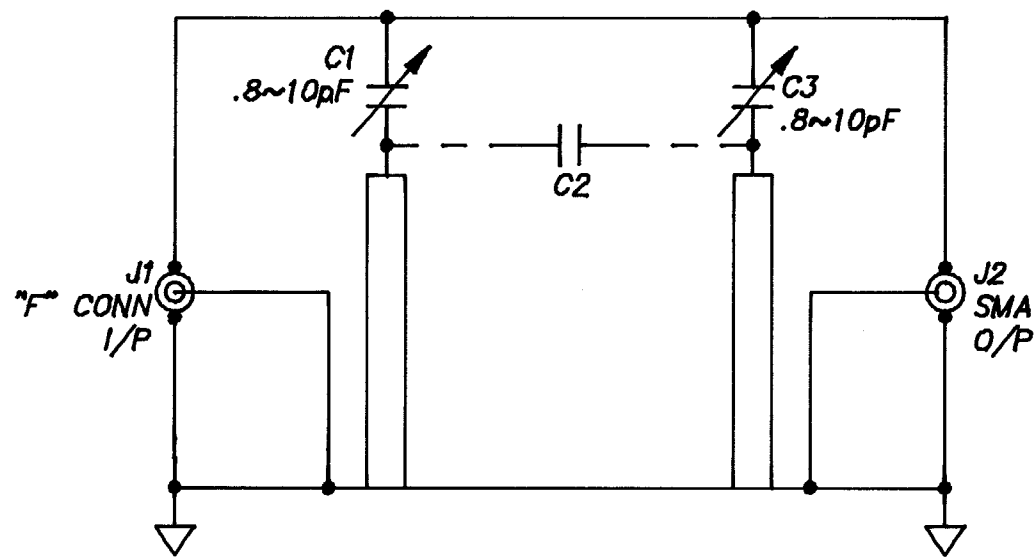


NOTE: C2 IS STRAY CAPACITANCE
BETWEEN LINE SECTIONS.

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.			
				TITLE SCHEMATIC - UHF FILTER, DC MULTIPLEXED (1035-1204)			
				MATERIAL -----			
				FINISH -----			
DWN	JEO	7/5/89	DWG. NO.		REV		
CHK	JCM	7/24/89	1035-3204		0		
REL	JCM	7/24/89	A	SCALE----	SHEET 1 OF 1		

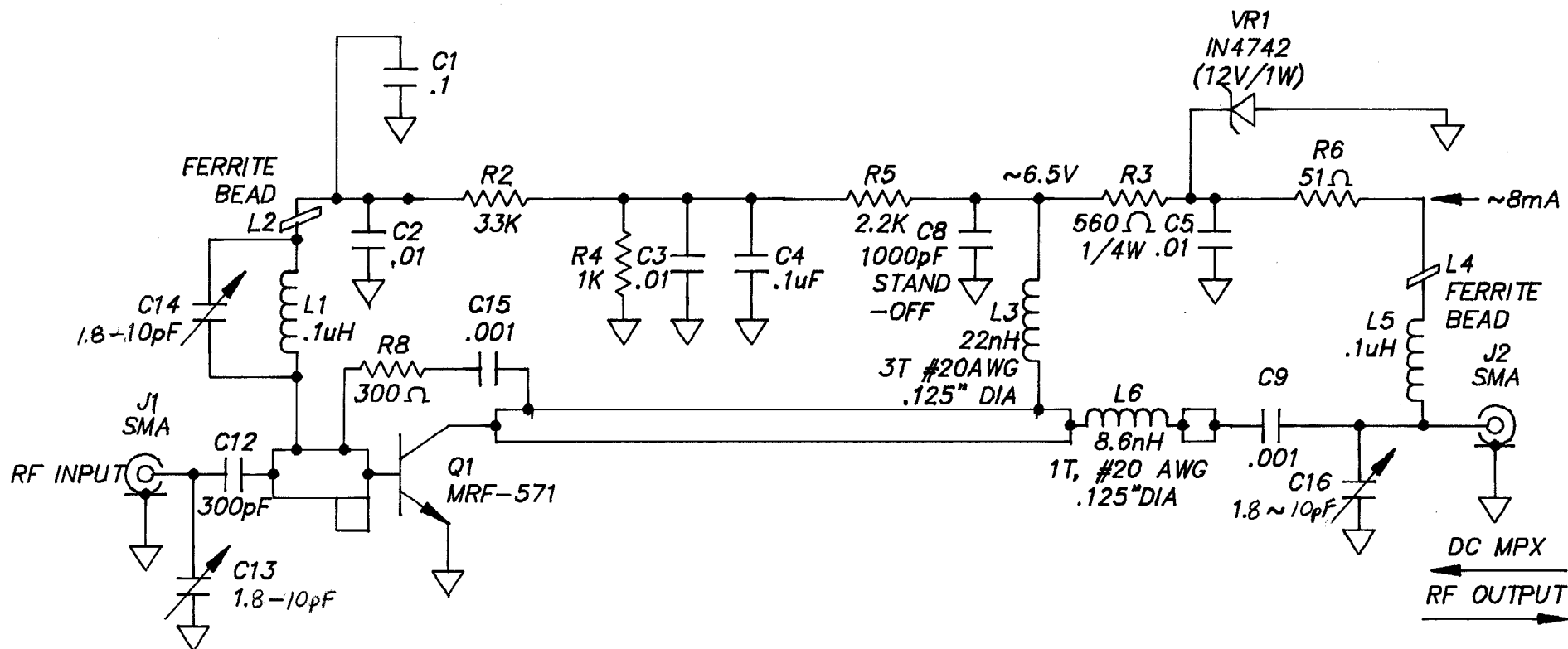


CHGD FL1 B0126 TO 851205-3, C1 10uF 25V TO 35V. (PJK)				ITS CORPORATION				REV	ECN	DATE	APV
1 767812/19/94 DWG				THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC - SAW FILTER/AMPLIFIER BD (1035-1211)			
				MATERIAL				DWN	JEO	10/18/89	DWG. NO. 1035-3211
				FINISH				CHK	JCM	10/20/89	
REV ECN				REL				JCM	10/20/89	B	SCALE
SHEET 1 OF 1											



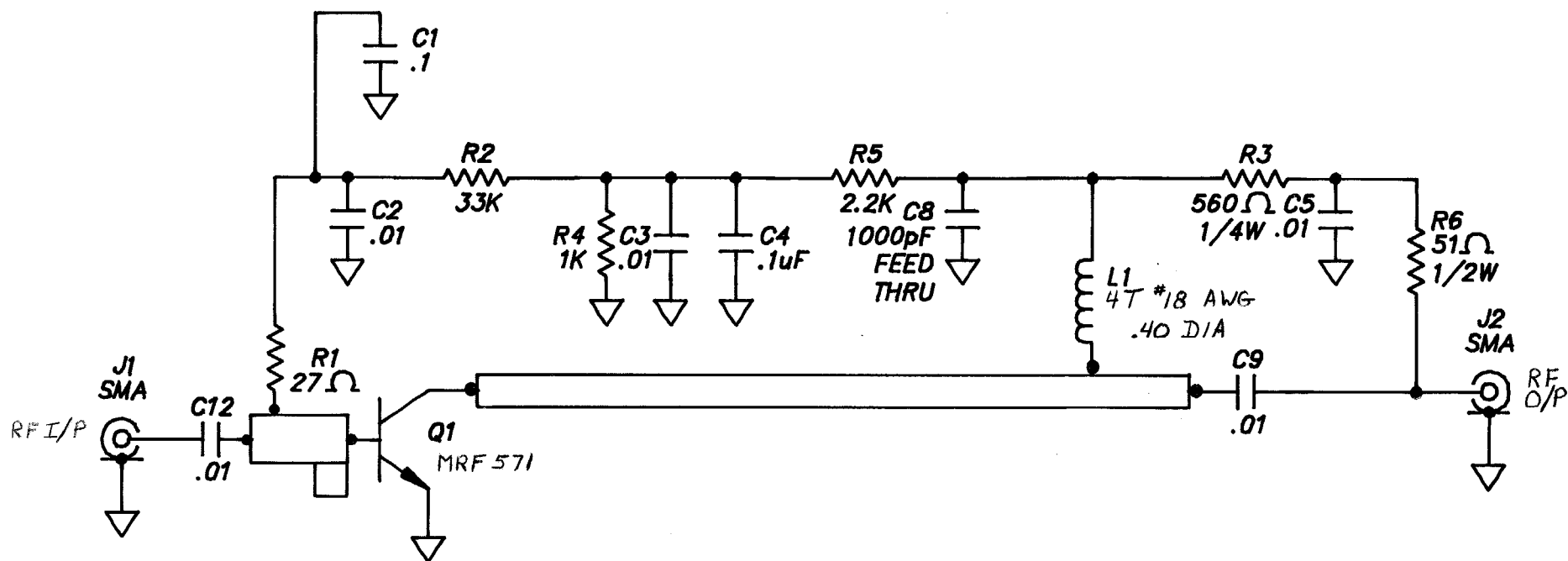
NOTE: C2 IS STRAY CAPACITANCE
BETWEEN LINE SECTIONS.

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.				
				TITLE SCHEMATIC - UHF FILTER, 75Ω/50Ω (1035-1302)				
				DWN JEO 9/7/89			DWG. NO.	REV
				CHK RE 9/13/89			1035-3302	0
FINISH				REL	RE	9/13/89	A SCALE --- SHEET 1 OF 1	



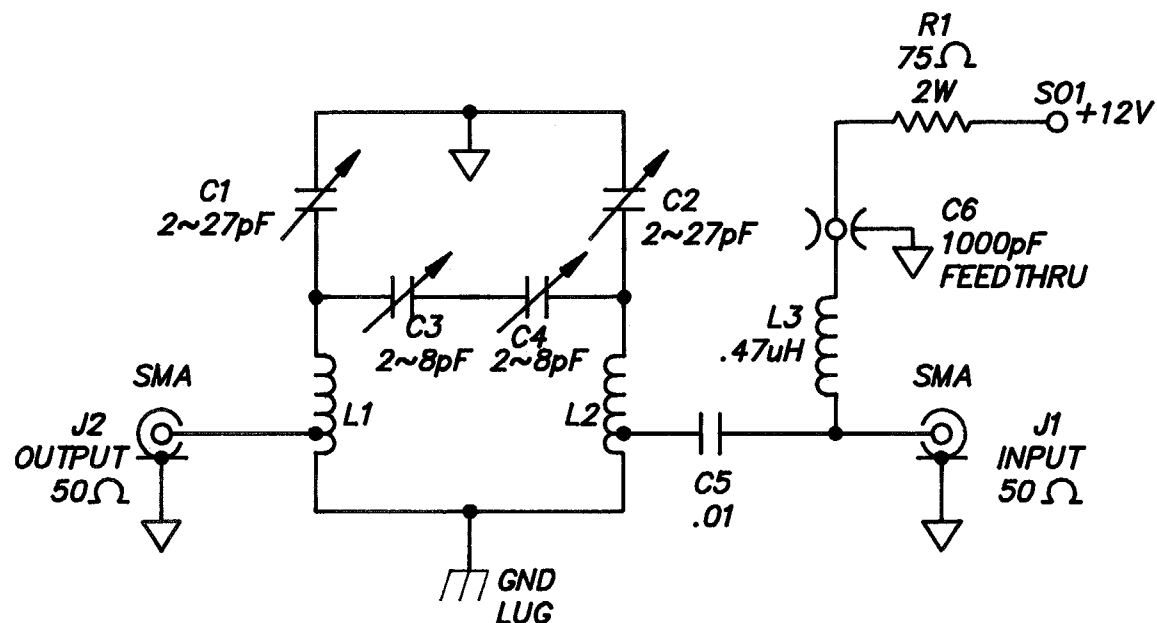
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCH - LOW NOISE UHF AMPL. 50Ω I/P, 75Ω O/P (1035-1303)			
				MATERIAL			
FINISH				DWN	JEO	9/7/89	DWG. NO.
				CHK	RE	9/13/89	1035-3303
REV				REL	RE	9/13/89	SCALE --
				SHEET 1 OF 1			

C16 WAS 1.5~6 pF.
 C13 WAS 1.5~6 pF.
 C14 WAS 2-10 pF. SUM
 1 7471 3/28/94 RE



MISC LABELING				THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
O 2885				DATE				SCHEMATIC - LOW NOISE VHF AMPLIFIER (1035-1701)			
REV				MATERIAL				DWN			
ECN				FINISH				JEO 9/17/87			
APV				DATE				DWG. NO.			
1-11-91				1-11-91				1035-3701			
1-11-91				1-11-91				REV			
1-11-91				1-11-91				0			
1-11-91				1-11-91				SCALE --			
1-11-91				1-11-91				SHEET 1 OF 1			

DO NOT REVISE

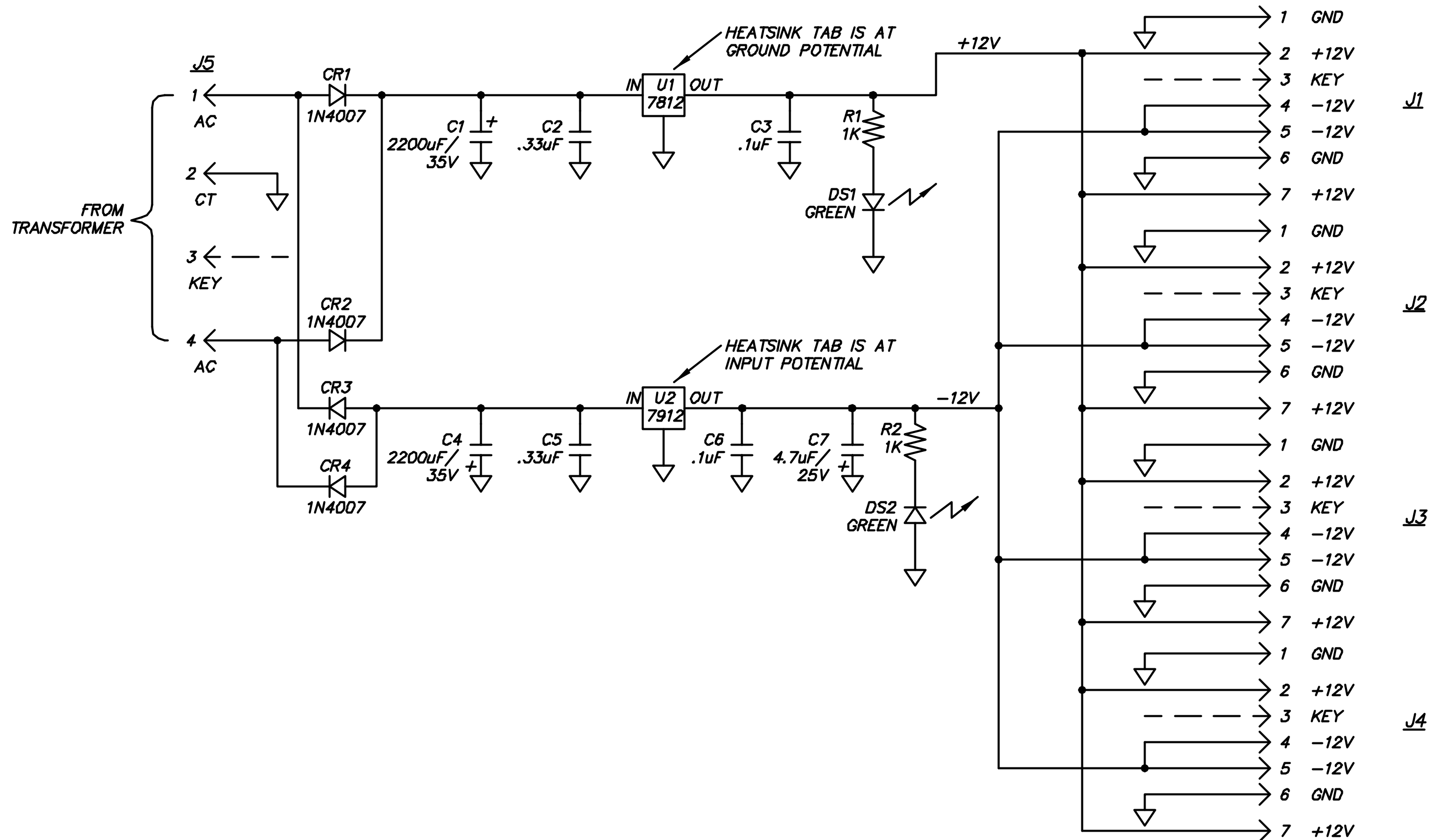


- NOTES: 1) L1 AND L2 ARE 3 TURNS, #14 AWG
ON FORM #530-0005-00-00.00
2) C1 THRU C4 ARE TUNING ADJUSTS

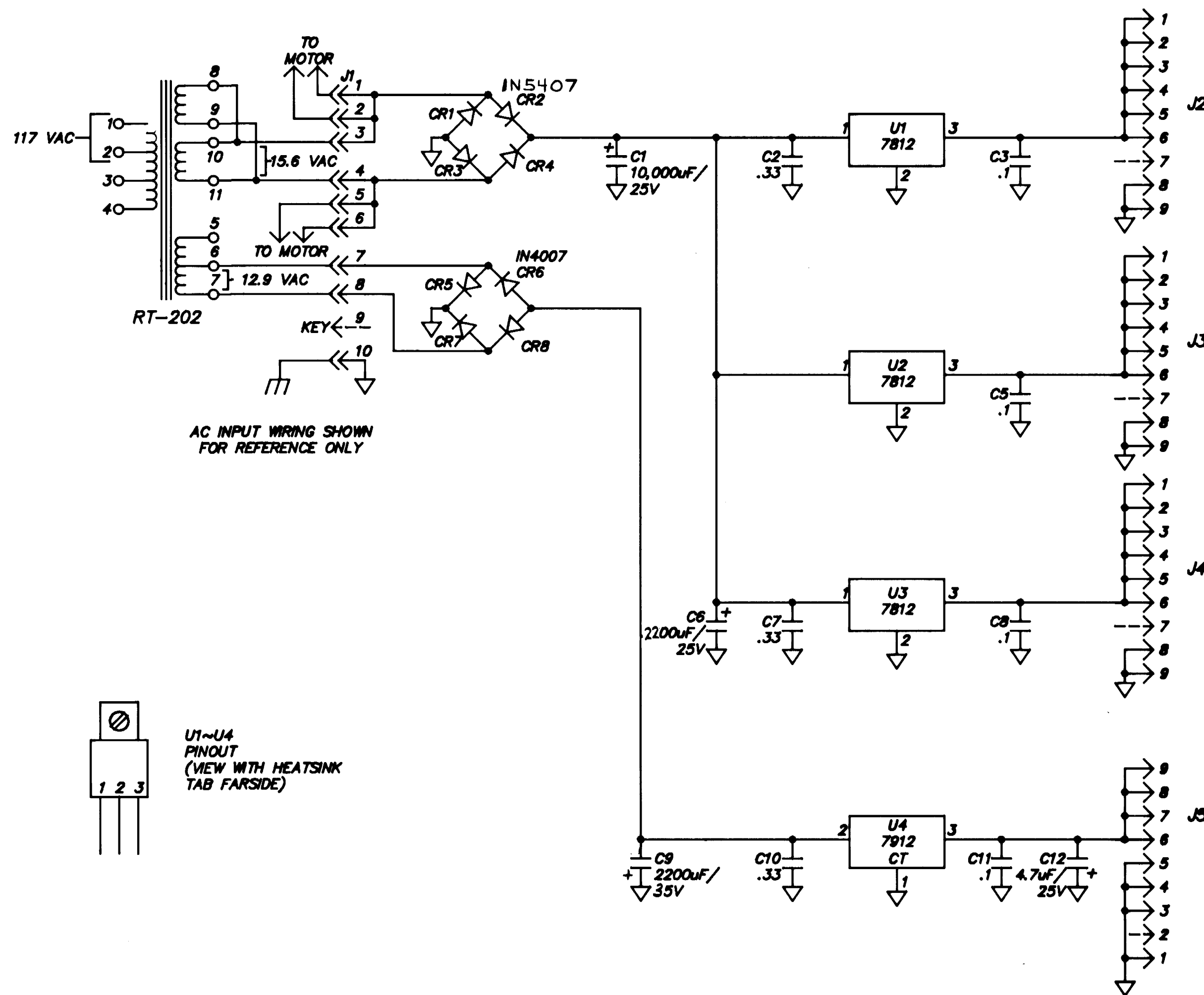
C2 WAS uF.			RLS
1	3546	2/19/92	SPH
REV	ECN	DATE	APV

ITS CORPORATION				TITLE	
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				SCHEMATIC - VHF FILTER, DC MPLX, 50 OHM (1035-1601)	
REV	ECN	DATE	APV	DWN	JEO
				7/5/89	
				CHK	JCM
				8/1/89	
				REL	JCM
				8/1/89	
				DWG. NO.	
				1035-3601	
				REV	
				1	
				SCALE --	
				SHEET 1 OF 1	

DO NOT REVISE

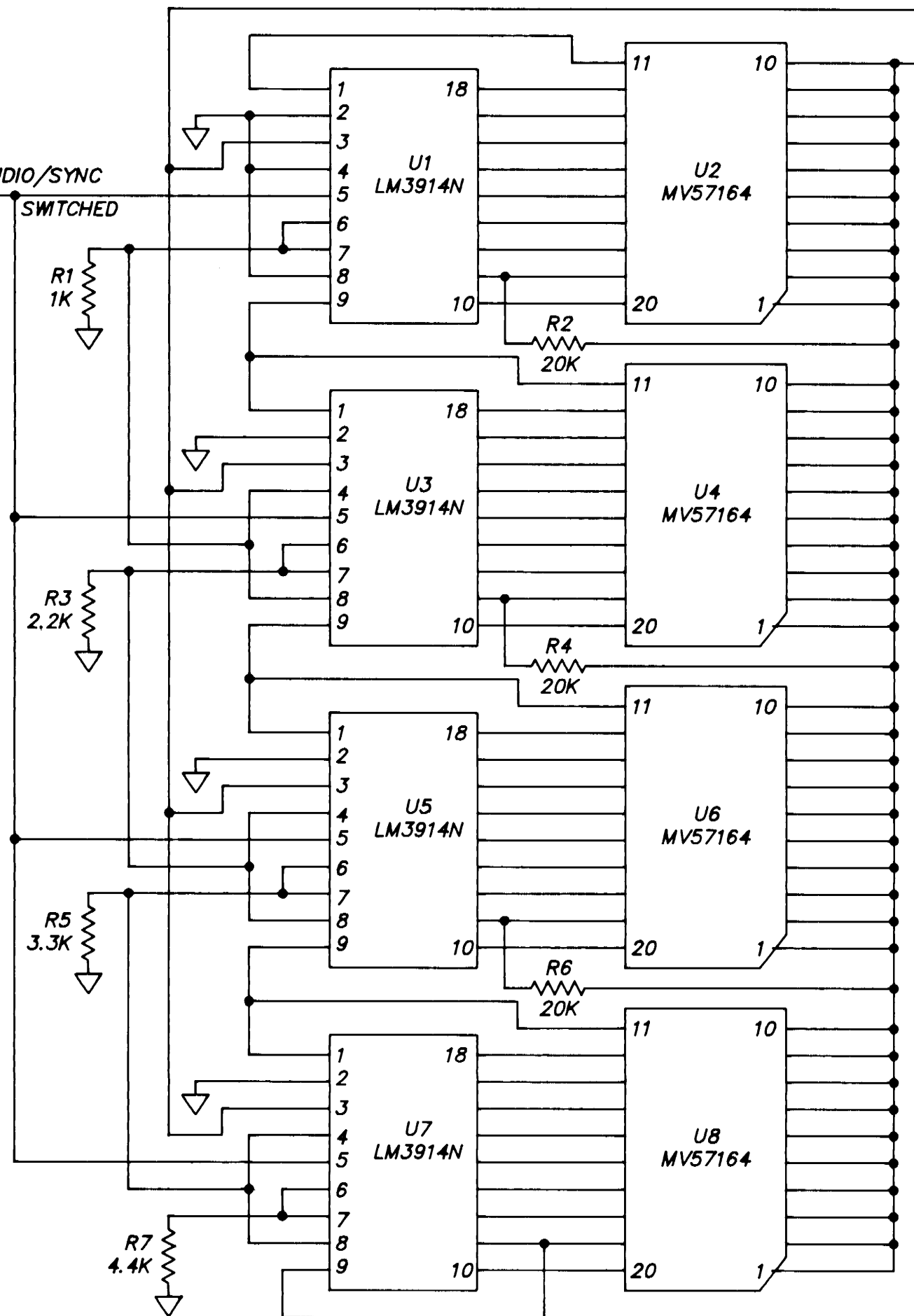
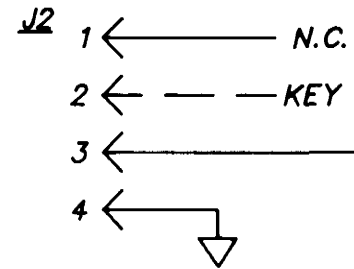


	DATE/BY	INFORMATION TRANSMISSION SYSTEMS CORP		
DWN	10-7-86 CLR	91-00-00-50AD-61 GEN'L PURPOSE ±12V P.S. BRD. (1062-1013)		
CHK	10-7-86 KF			
REL				
		SIZE B	DWG 1062-3013	REV 0

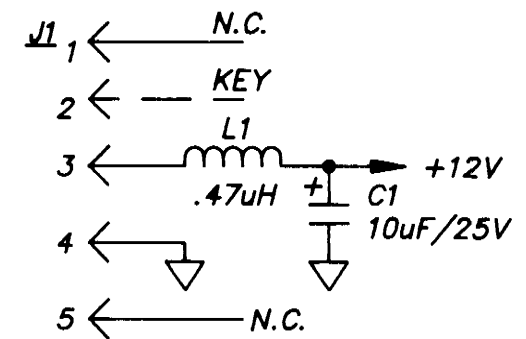


ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
				+12V(3A)/-12V POWER SUPPLY BOARD (1092-1206)			
MATERIAL				DWN	JEO	12/17/87	DWG. NO.
FINISH				CHK	RE	4/15/88	1092-3206 1
REL				WB	11-22-89	C	SCALE --- SHEET 1 OF 1

DO NOT REVISE



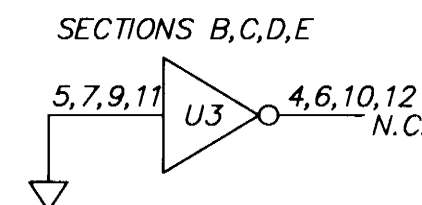
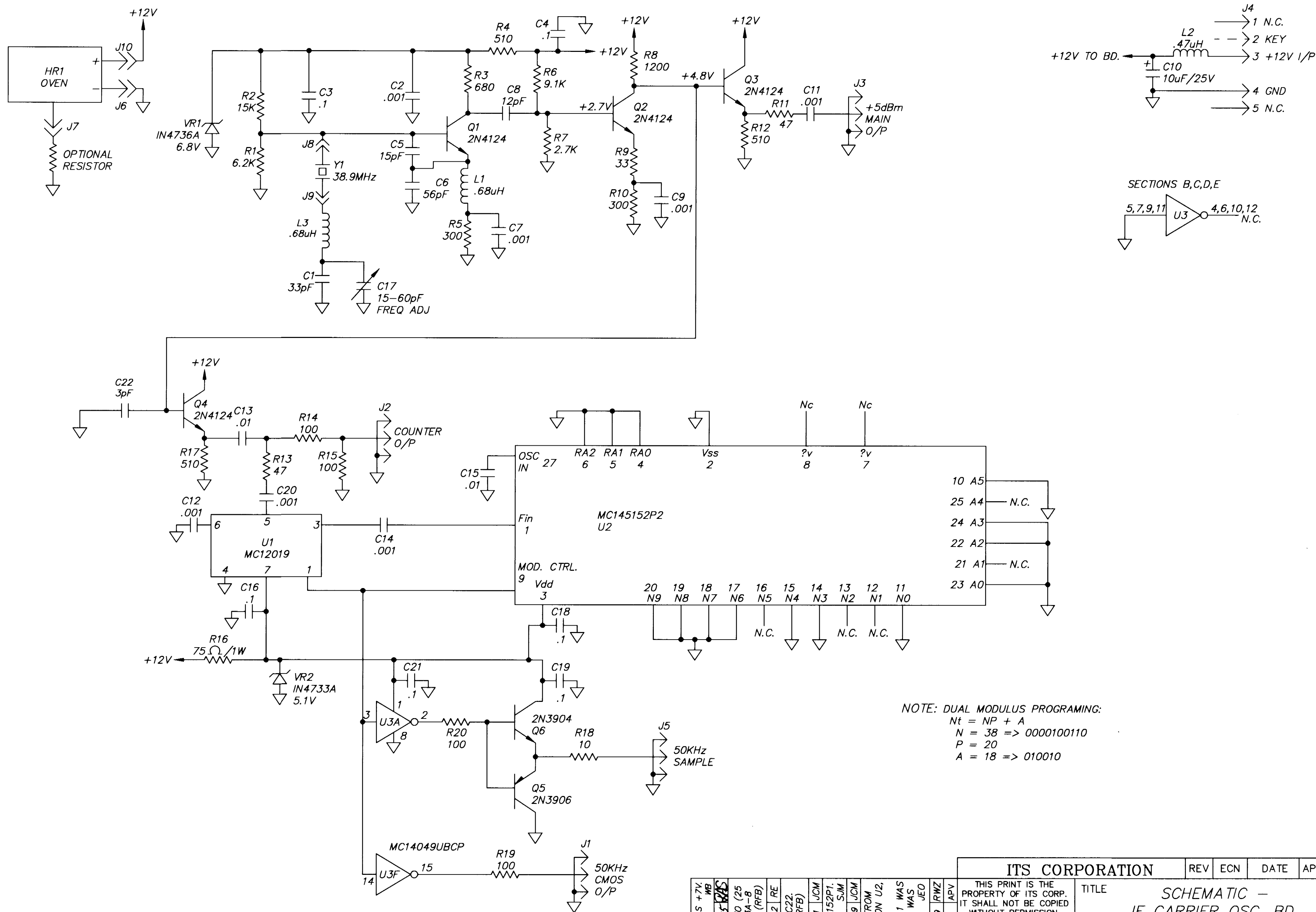
LEVEL DISPLAY



CHANGED LABEL OF
 J2 PIN 3 FROM AUDIO
 TO AUDIO/SYNC SWITCHED
 (PJK)

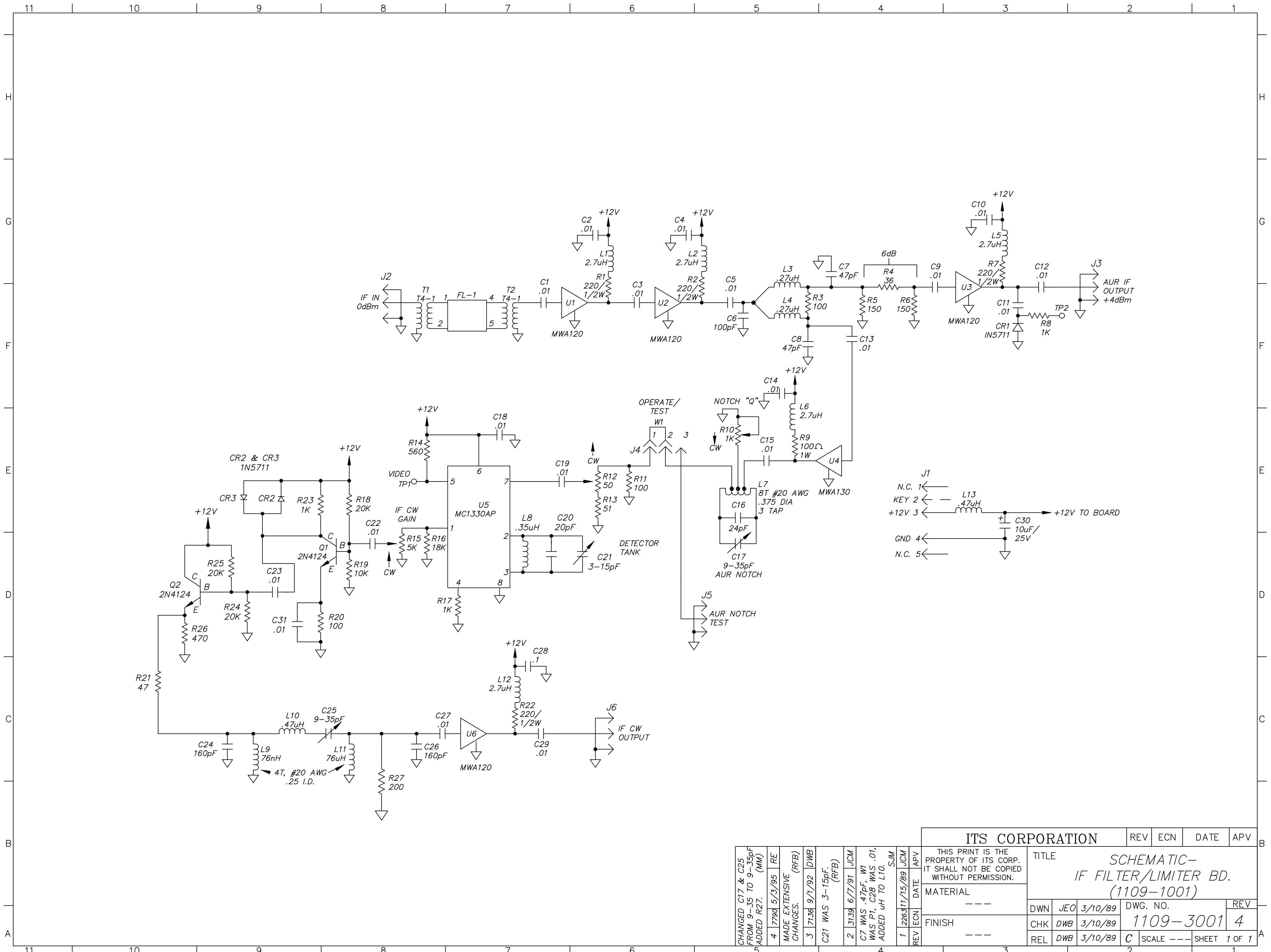
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC - LEVEL DISPLAY BD. (1092-1202)			
MATERIAL				DWN	JEO	11/17/88	DWG. NO.
FINISH				CHK	RE	11/29/88	1092-3202
				REL	RE	9/25/93	REV 0
				SCALE --- SHEET 1 OF 1			

DO NOT REVISE



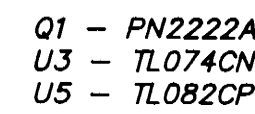
DO NOT REVISE

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				SCHEMATIC - IF CARRIER OSC. BD. 38.9MHz (1100-1206)			
FINISH				DWN JEO 11/3/88 DWG. NO. 1100-3206			
REV ECN DATE APV				REL RWZ 3/10/89 C SCALE --- SHEET 1 OF 1			

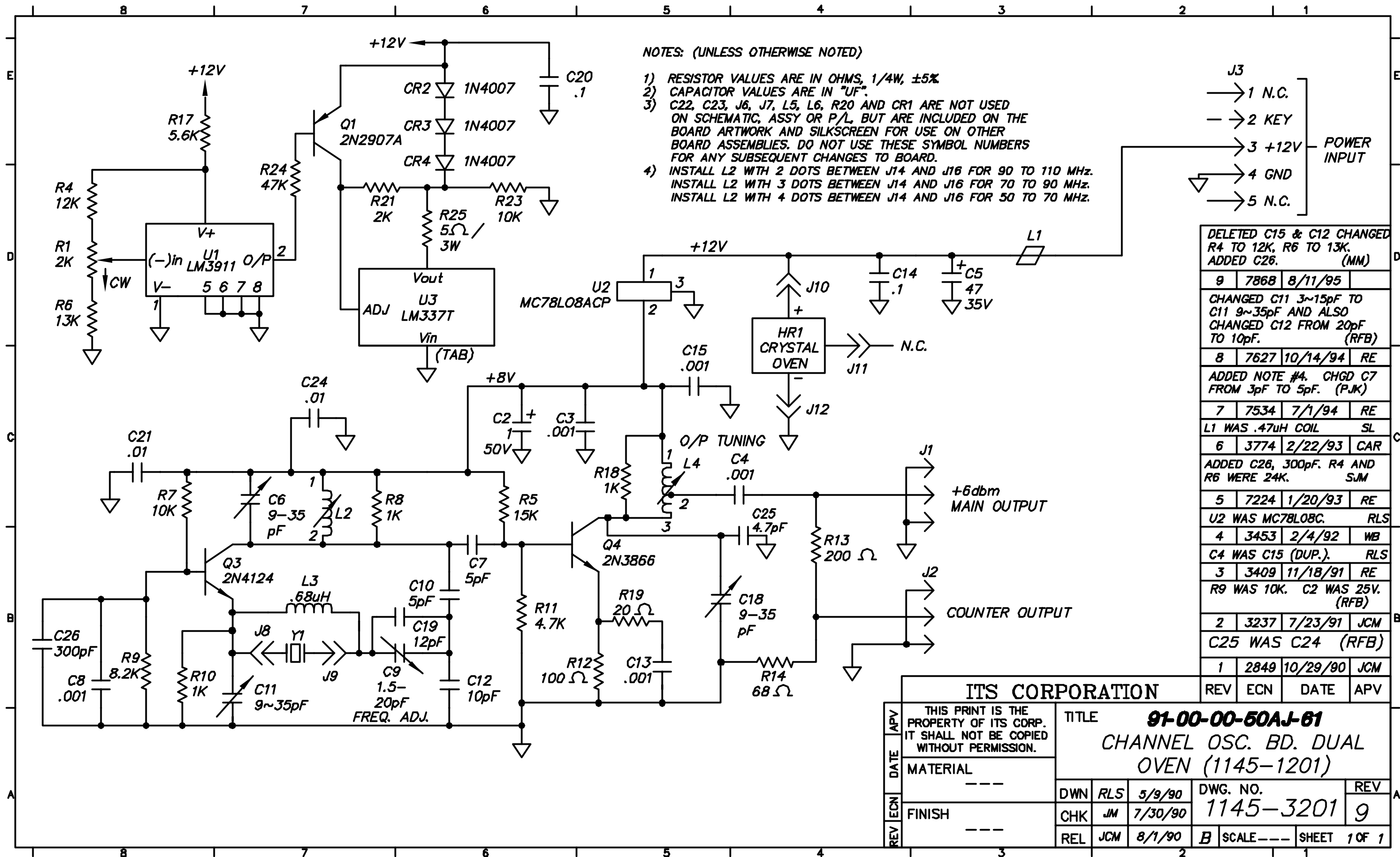


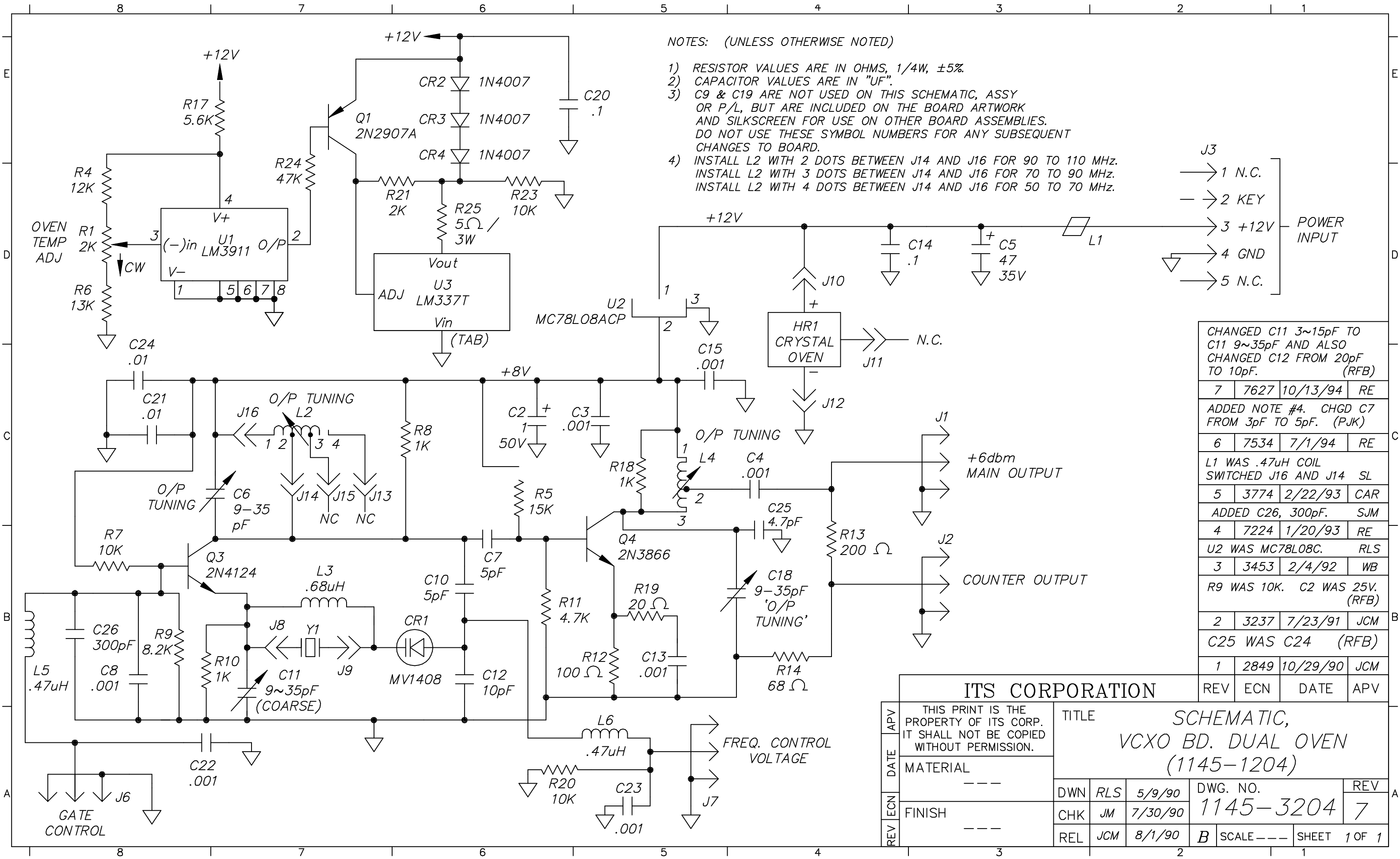
CHANGED C17 & C25 FROM 9-35 TO 9-35pF ADDED R27.	4 1790 5/3/95 RE MADE EXTENSIVE CHANGES. (RFB)	3 17136 9/1/92 DWB C21 WAS 3-15pF. (RFB)	2 3139 6/7/91 JCM C7 WAS .47pF, W1 WAS P1, C28 WAS .01. ADDED uH TO L10.	SUM	1 2263 11/15/89 JCM	REV ECN DATE APV
--	--	--	---	-----	---------------------	------------------

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC- IF FILTER/LIMITER BD. (1109-1001)			
				MATERIAL ---			
FINISH ---				DWN JEO 3/10/89 DWG. NO.			
				1109-3001 4			
REL DWB 3/10/89 C				SCALE --- SHEET 1 OF 1			



ADDED R23 AND VR1.	
VR1 R5 WAS 10K, C9 &	
R12 WENT TO GND. DD	
3 7/30 8/18/92 JMS	
DELETED EXTRA J1	
LABEL, CHANGED	
+12V AT R15 TO	
-12V, U2 PIN 22	
WAS N.C. (RFB)	
2 3/22 8/21/91 JCM	
MISC. LABELING CHGS.	
ADDED UNUSED	
PORTIONS OF U5.	
JEO	
1 2/26 10/16/89 JCM	





- NOTES: (UNLESS OTHERWISE NOTED)
- 1) RESISTOR VALUES ARE IN OHMS, 1/4W, $\pm 5\%$.
 - 2) CAPACITOR VALUES ARE IN "UF".
 - 3) C9 & C19 ARE NOT USED ON THIS SCHEMATIC, ASSY OR P/L, BUT ARE INCLUDED ON THE BOARD ARTWORK AND SILKSCREEN FOR USE ON OTHER BOARD ASSEMBLIES. DO NOT USE THESE SYMBOL NUMBERS FOR ANY SUBSEQUENT CHANGES TO BOARD.
 - 4) INSTALL L2 WITH 2 DOTS BETWEEN J14 AND J16 FOR 90 TO 110 MHz.
INSTALL L2 WITH 3 DOTS BETWEEN J14 AND J16 FOR 70 TO 90 MHz.
INSTALL L2 WITH 4 DOTS BETWEEN J14 AND J16 FOR 50 TO 70 MHz.

CHANGED C11 3~15pF TO C11 9~35pF AND ALSO CHANGED C12 FROM 20pF TO 10pF. (RFB)

7	7627	10/13/94	RE
---	------	----------	----

ADDED NOTE #4. CHGD C7 FROM 3pF TO 5pF. (PJK)

6	7534	7/1/94	RE
---	------	--------	----

L1 WAS .47uH COIL SWITCHED J16 AND J14 SL

5	3774	2/22/93	CAR
---	------	---------	-----

ADDED C26, 300pF. SJM

4	7224	1/20/93	RE
---	------	---------	----

U2 WAS MC78L08C. RLS

3	3453	2/4/92	WB
---	------	--------	----

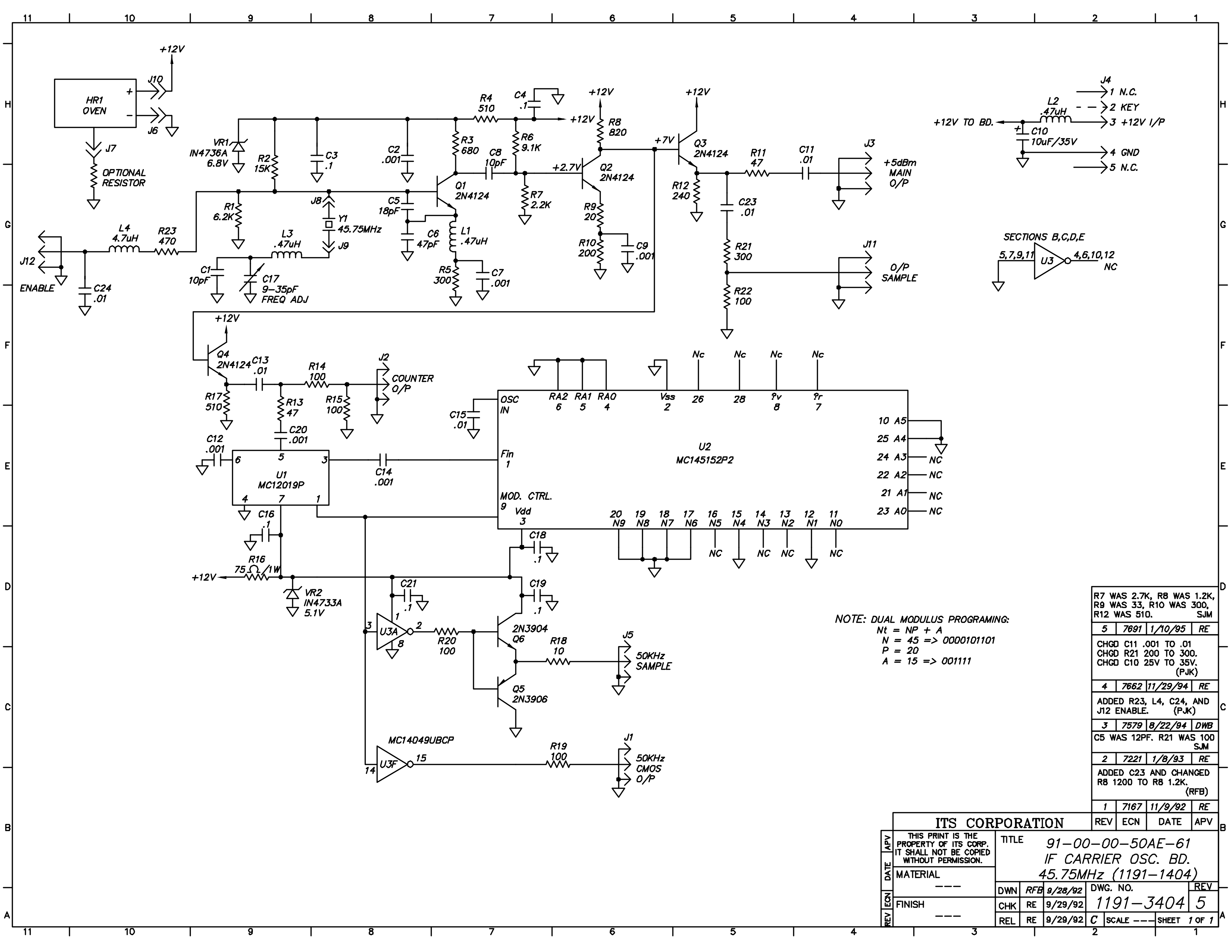
R9 WAS 10K. C2 WAS 25V. (RFB)

2	3237	7/23/91	JCM
---	------	---------	-----

C25 WAS C24 (RFB)

1	2849	10/29/90	JCM
---	------	----------	-----

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.					
				TITLE					
MATERIAL				SCHEMATIC, VCXO BD. DUAL OVEN (1145-1204)					
FINISH				DWN	RLS	5/9/90	DWG. NO.		REV
				CHK	JM	7/30/90	1145-3204		7
				REL	JCM	8/1/90	B	SCALE ---	SHEET 1 OF 1



NOTE: DUAL MODULUS PROGRAMMING:
Nt = NP + A
N = 45 => 0000101101
P = 20
A = 15 => 001111

R7 WAS 2.7K, R8 WAS 1.2K,
R9 WAS 33, R10 WAS 300,
R12 WAS 510. SJM

5	7691	1/10/95	RE
---	------	---------	----

CHGD C11 .001 TO .01 CHGD R21 200 TO 300. CHGD C10 25V TO 35V. (PJK)			
---	--	--	--

4	7662	11/29/94	RE
---	------	----------	----

ADDED R23, L4, C24, AND J12 ENABLE. (PJK)			
--	--	--	--

3	7579	8/22/94	DWB
---	------	---------	-----

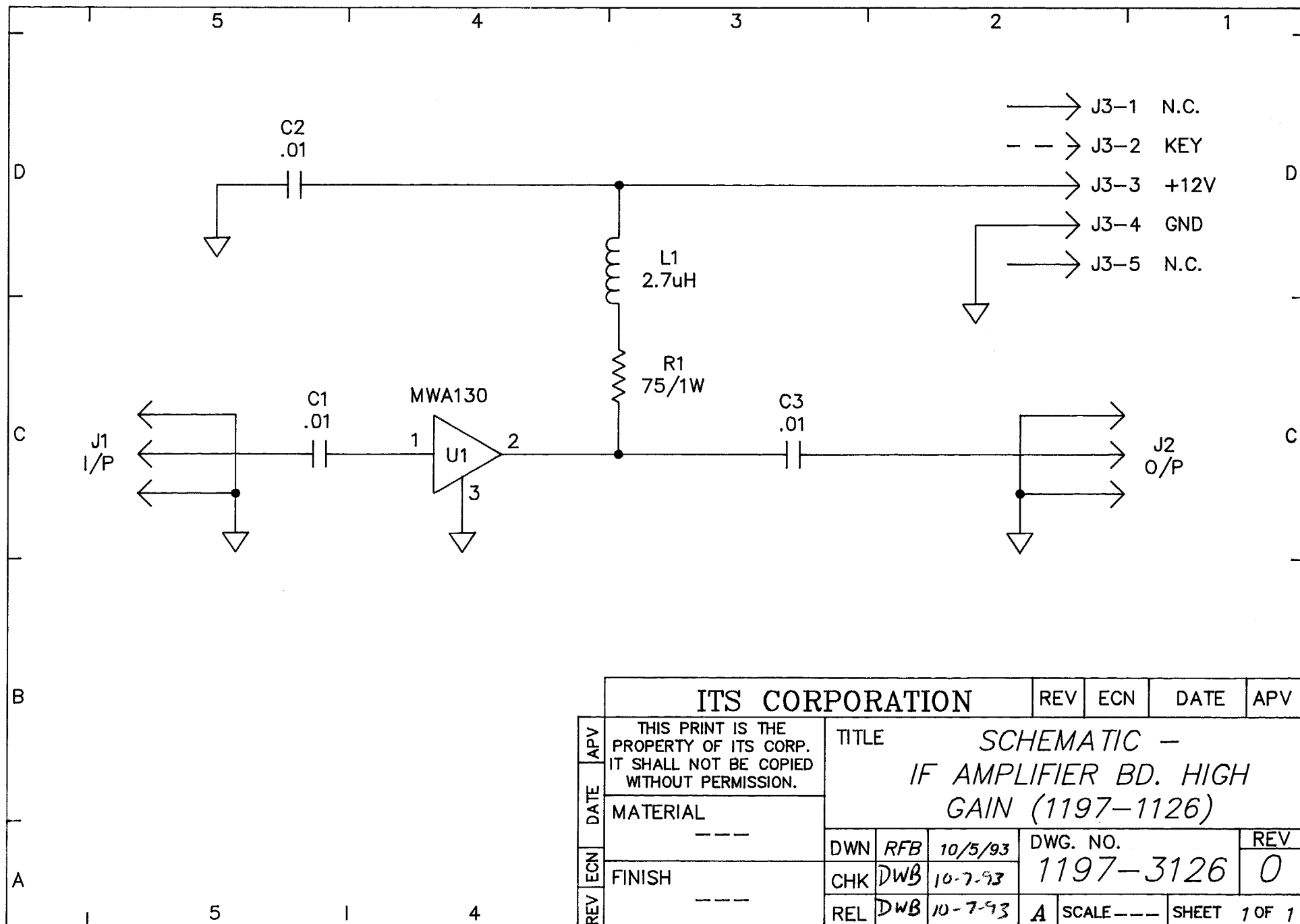
C5 WAS 12PF. R21 WAS 100 SJM			
---------------------------------	--	--	--

2	7221	1/8/93	RE
---	------	--------	----

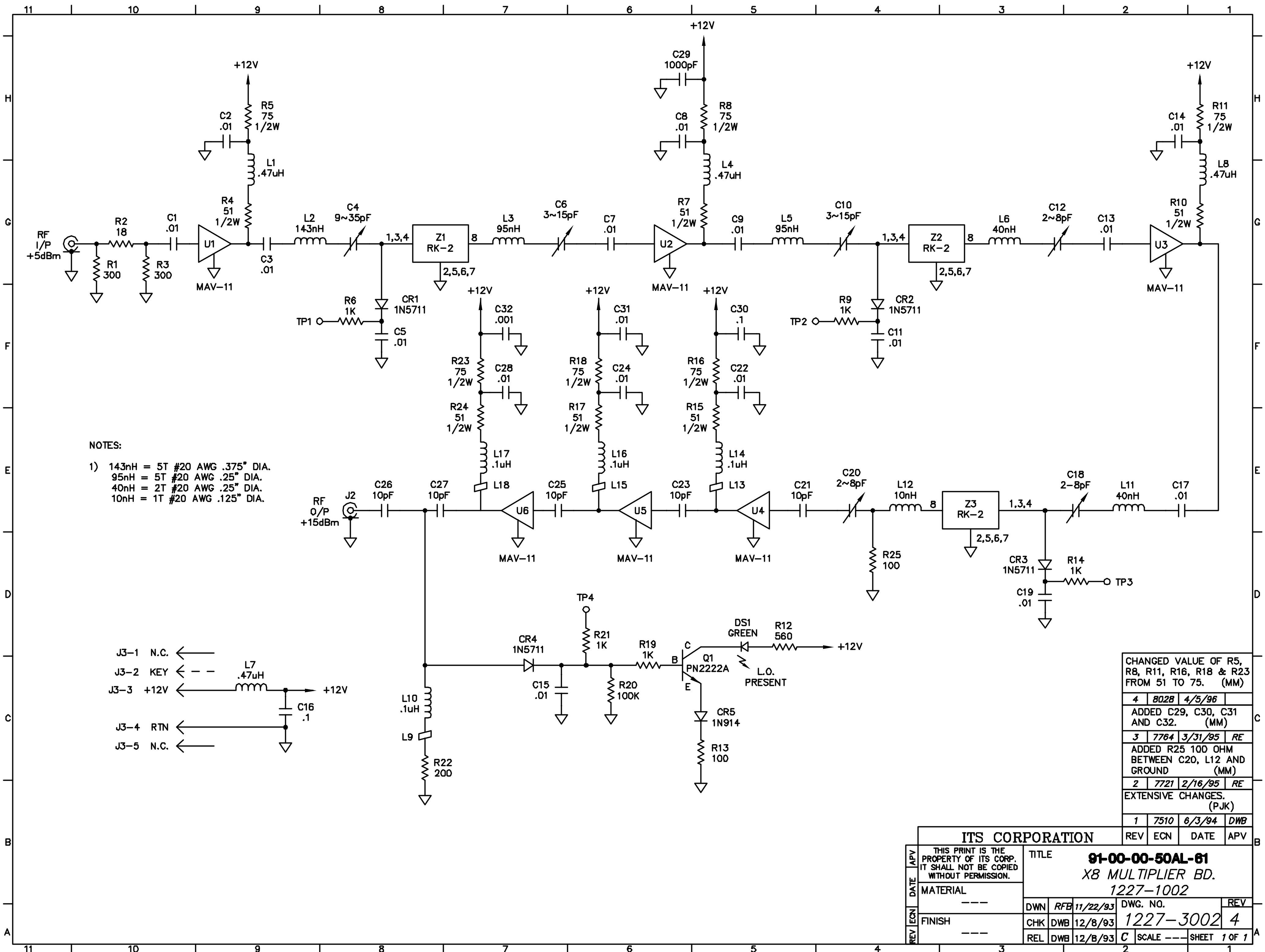
ADDED C23 AND CHANGED R8 1200 TO R8 1.2K. (RFB)			
---	--	--	--

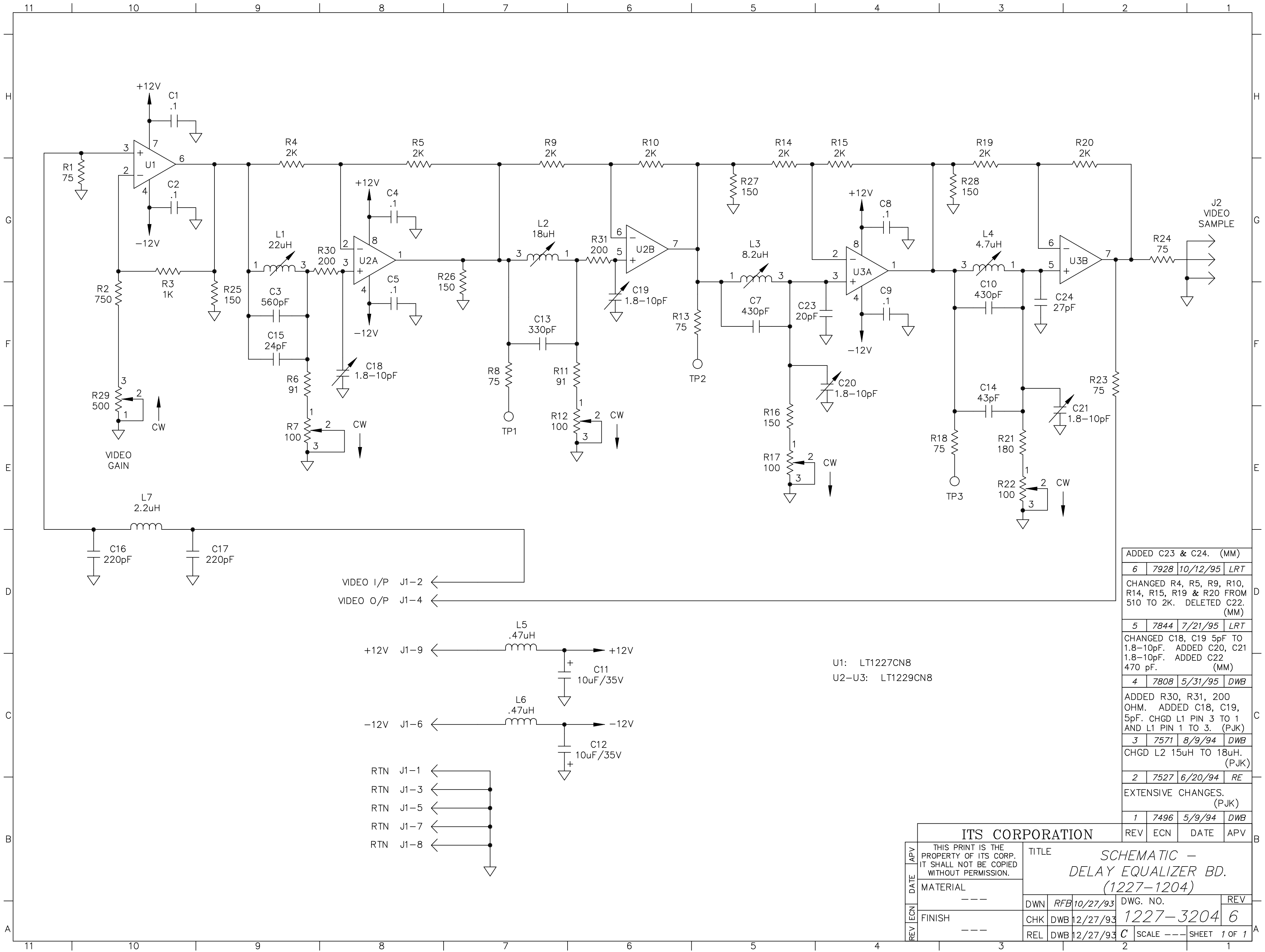
1	7167	11/9/92	RE
---	------	---------	----

ITS CORPORATION						REV	ECN	DATE	APV	B
APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE 91-00-00-50AE-61 IF CARRIER OSC. BD. 45.75MHz (1191-1404)							
DATE			MATERIAL ----							
ECN										
REV	FINISH ----	DWN	RFB	9/28/92	DWG. NO. 1191-3404			REV 5		
		CHK	RE	9/29/92						
		REL	RE	9/29/92	C	SCALE	---	SHEET	1 OF 1	A
		3		2		1				



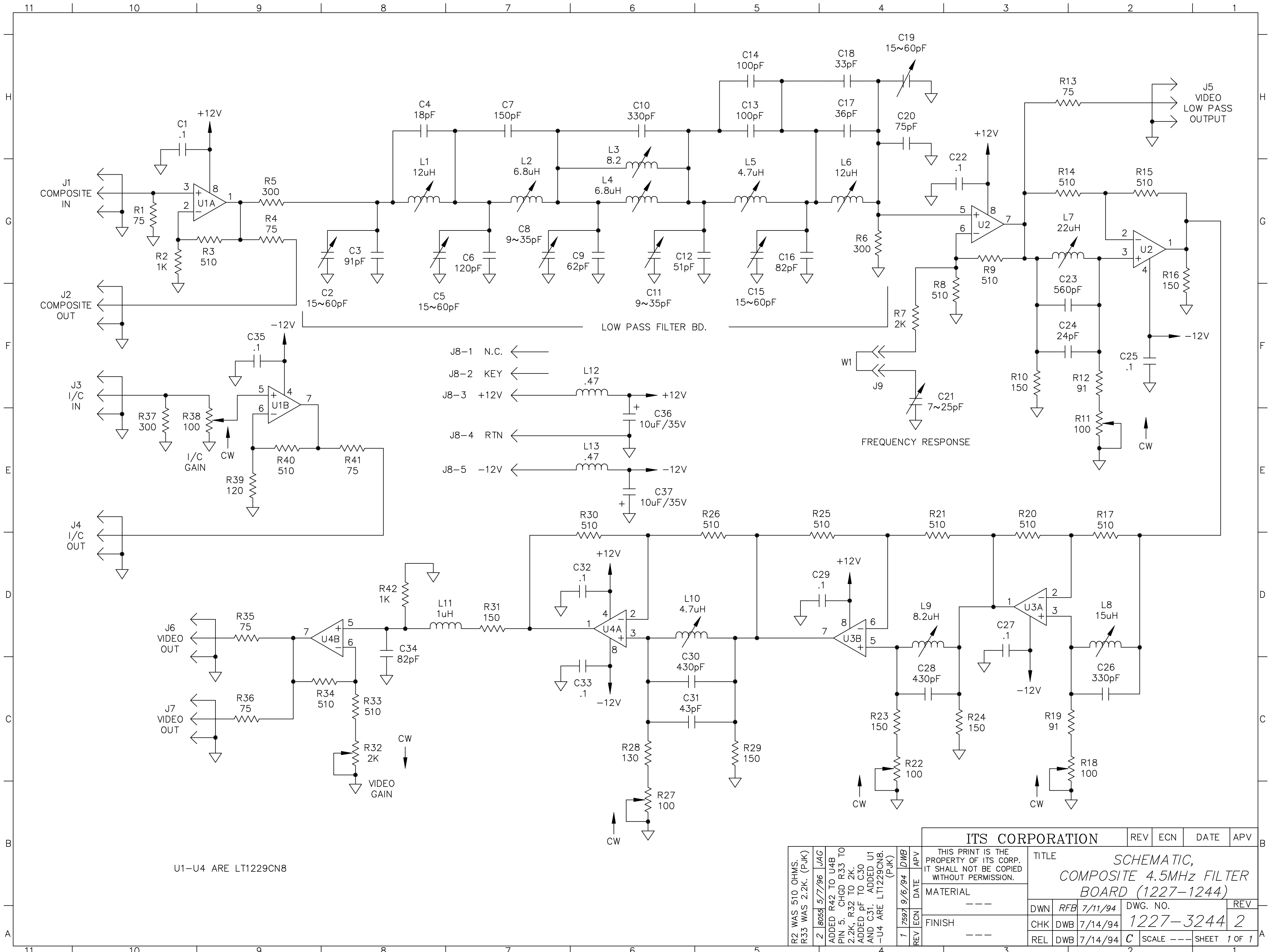
ITS CORPORATION				REV	ECN	DATE	APV
REV	ECN	DATE	APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			
				MATERIAL -----			
				FINISH -----			
TITLE SCHEMATIC - IF AMPLIFIER BD. HIGH GAIN (1197-1126)				DWN	RFB	10/5/93	DWG. NO.
				CHK	DWB	10-7-93	1197-3126
				REL	DWB	10-7-93	0
				A	SCALE----		SHEET 1 OF 1





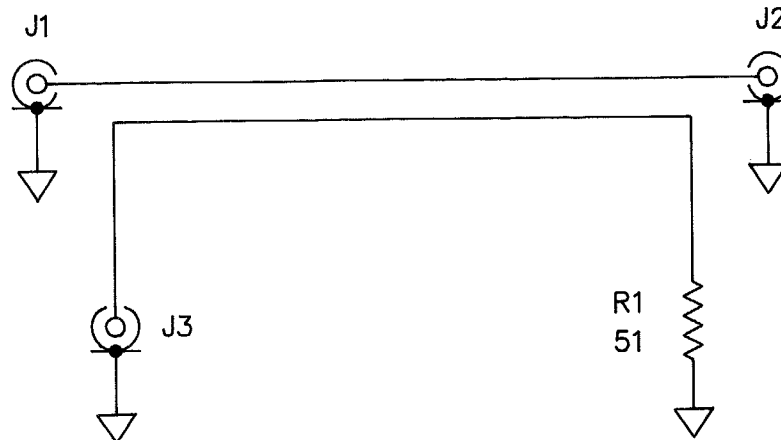
ADDED C23 & C24. (MM)			
6	7928	10/12/95	LRT
CHANGED R4, R5, R9, R10, R14, R15, R19 & R20 FROM 510 TO 2K. DELETED C22. (MM)			
5	7844	7/21/95	LRT
CHANGED C18, C19 5pF TO 1.8-10pF. ADDED C20, C21 1.8-10pF. ADDED C22 470 pF. (MM)			
4	7808	5/31/95	DWB
ADDED R30, R31, 200 OHM. ADDED C18, C19, 5pF. CHGD L1 PIN 3 TO 1 AND L1 PIN 1 TO 3. (PJK)			
3	7571	8/9/94	DWB
CHGD L2 15uH TO 18uH. (PJK)			
2	7527	6/20/94	RE
EXTENSIVE CHANGES. (PJK)			
1	7496	5/9/94	DWB

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
				SCHEMATIC - DELAY EQUALIZER BD. (1227-1204)			
MATERIAL				DWG. NO.			
---				DWN	RFB	10/27/93	REV
FINISH				CHK	DWB	12/27/93	1227-3204
---				REL	DWB	12/27/93	6
				SCALE ---		SHEET 1 OF 1	



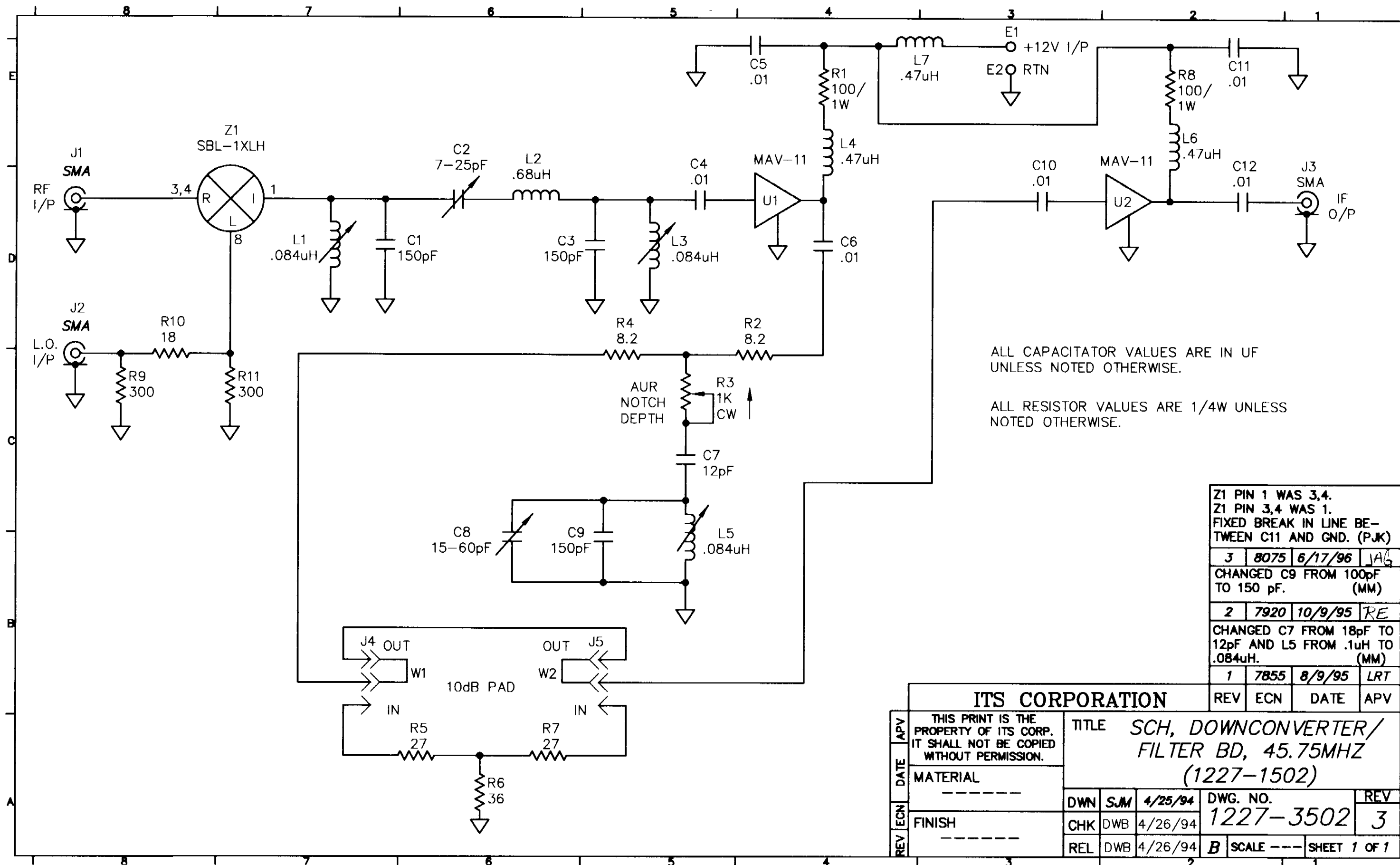
U1-U4 ARE LT1229CN8

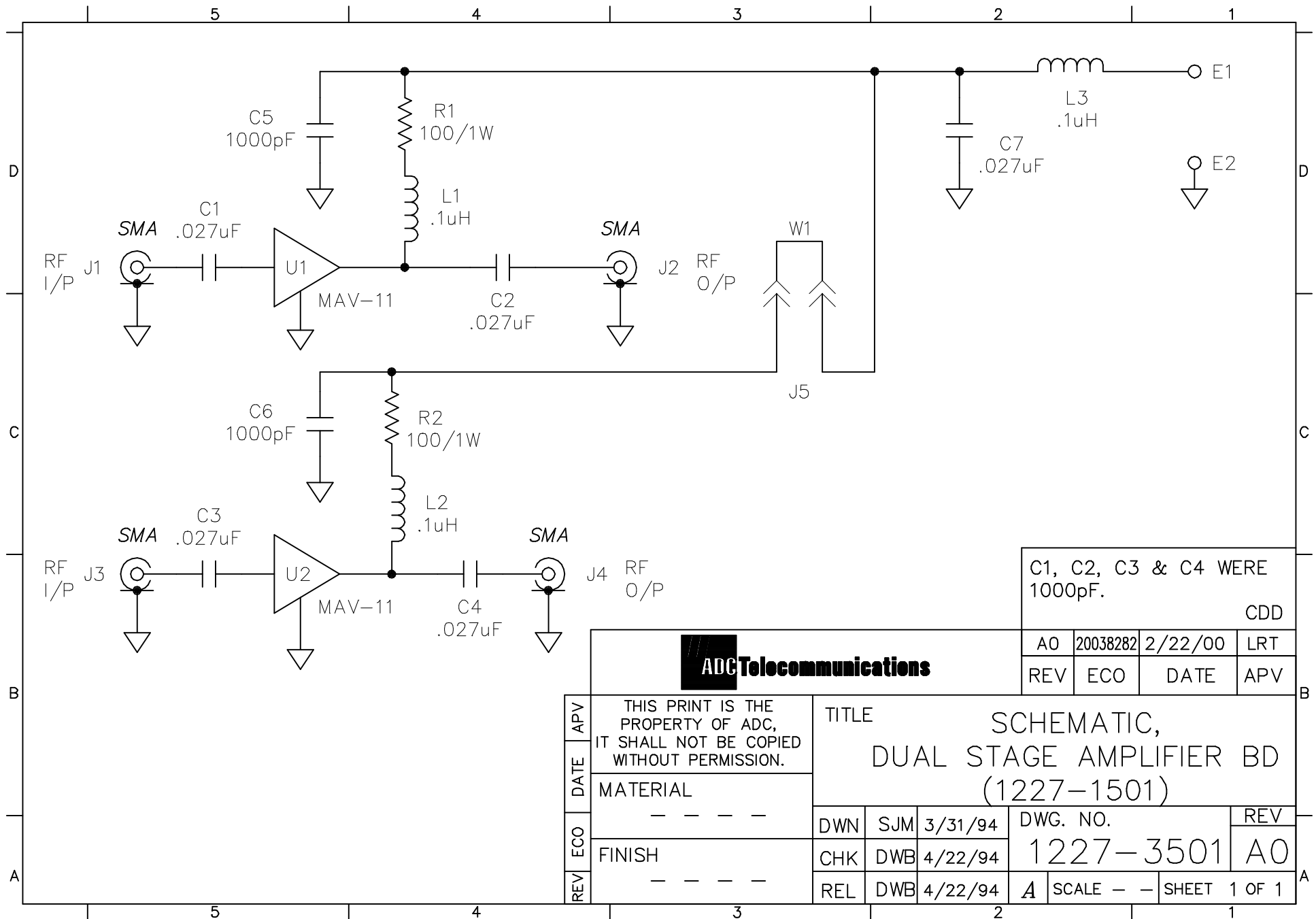
R2 WAS 510 OHMS. R33 WAS 2.2K. (PJK)										2		8055 5/7/96		JAG		ADDED R42 TO U4B PIN 5. CHGD R33 TO 2.2K, R32 TO 2K. ADDED pF TO C30 AND C31. ADDED U1 -U4 ARE LT1229CN8. (PJK)										1		7597 9/6/94		DWB		REV		ECN		DATE		APV		ITS CORPORATION										REV		ECN		DATE		APV		THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.										TITLE <i>SCHEMATIC, COMPOSITE 4.5MHz FILTER BOARD (1227-1244)</i>									
																																												MATERIAL ---										DWN		RFB		7/11/94		DWG. NO.										REV							
																																														FINISH ---										CHK		DWB		7/14/94		1227-3244										2					
																																														REL										DWB		7/14/94		C		SCALE ---		SHEET 1 OF 1													

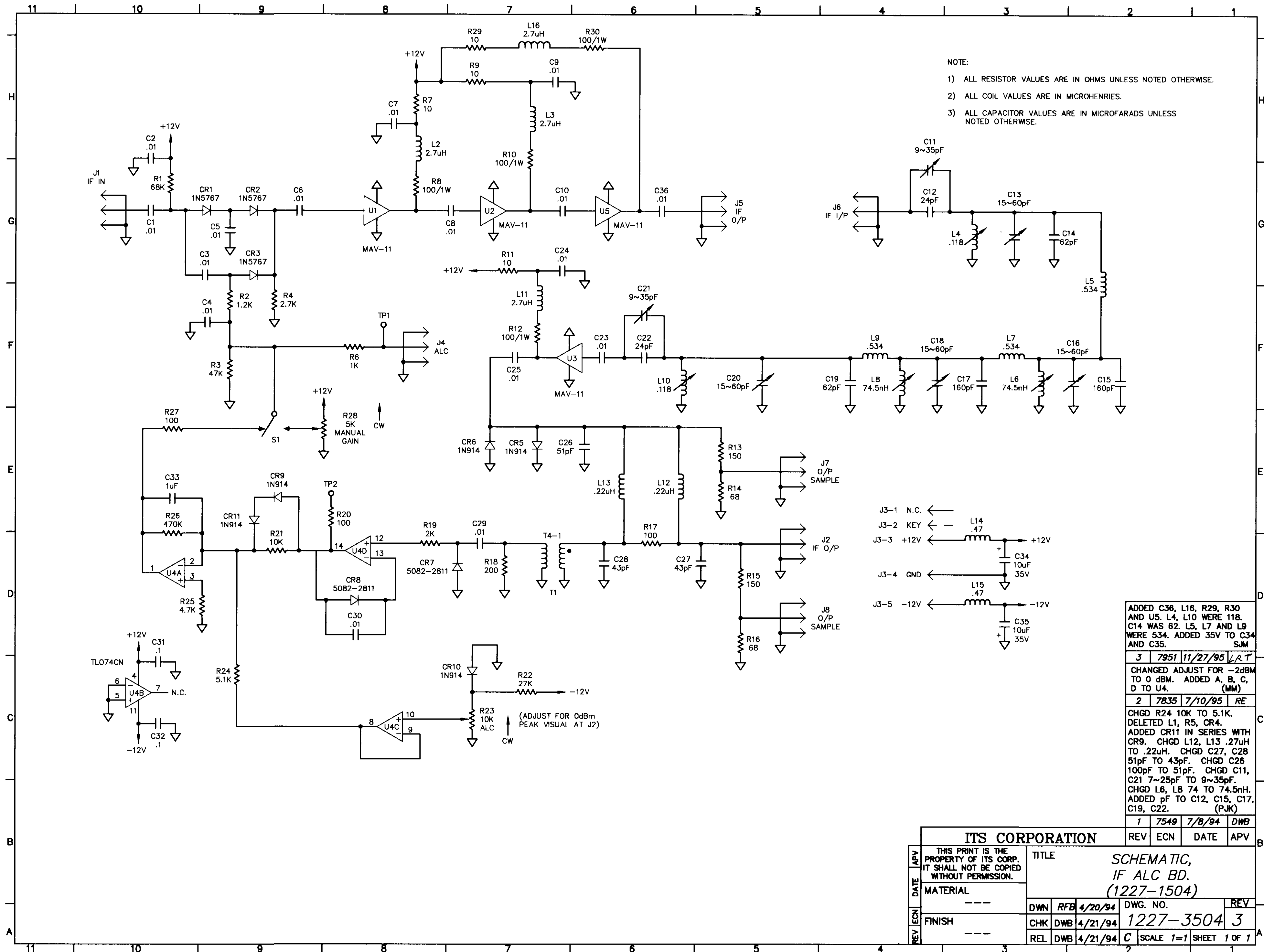


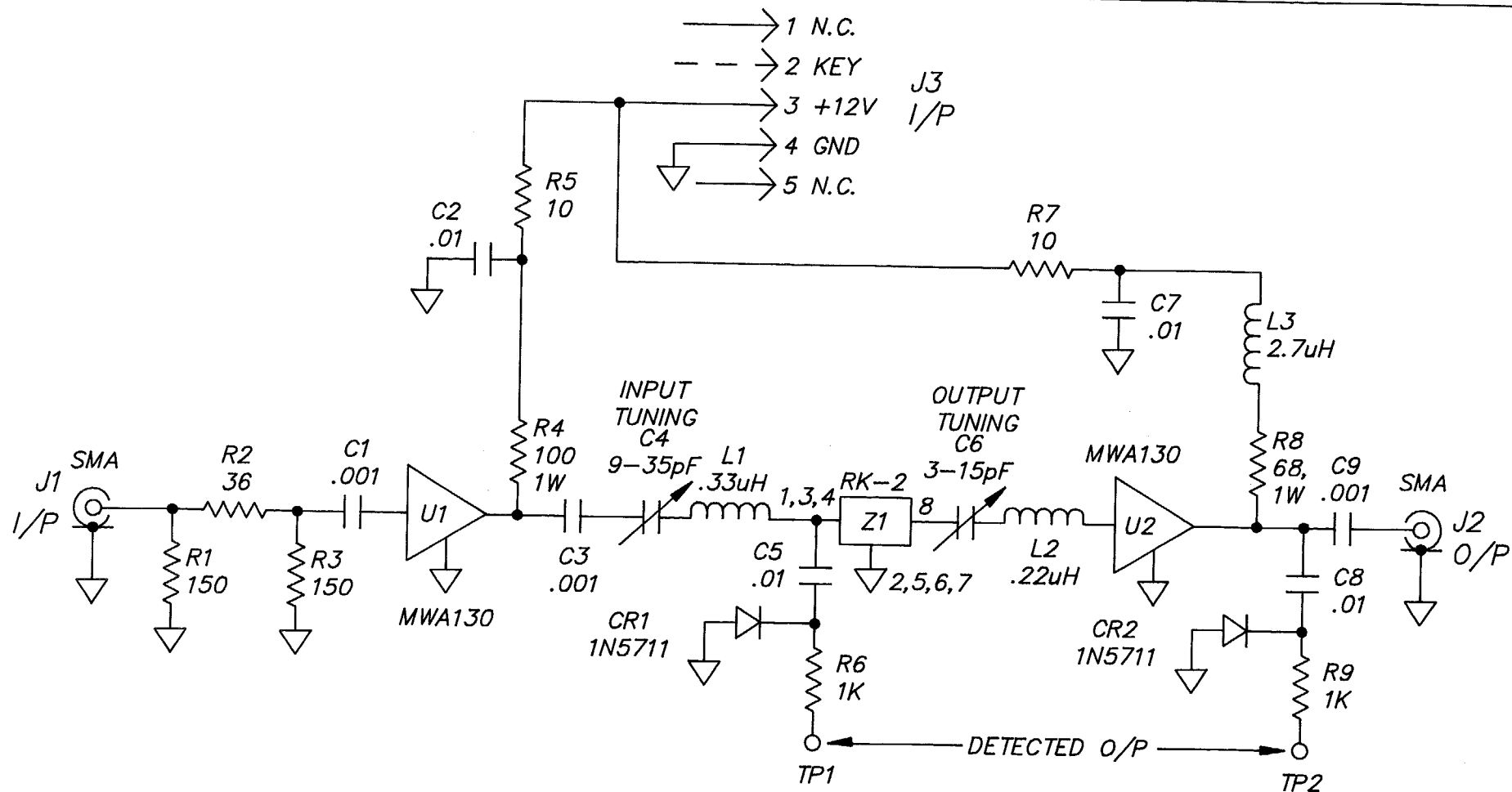
ITS CORPORATION				REV	ECN	DATE	APV
REV	ECN	DATE	APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			
				MATERIAL -----			
REV	ECN	DATE	APV	TITLE <i>SCH, UHF COUPLER ASSEMBLY (1227-1316)</i>			
				DWN <i>SJM</i> 2/16/94 DWG. NO. 1227-3316 REV 0			
REV	ECN	DATE	APV	FINISH -----			
				CHK <i>DWB</i> 4-11-94 REL <i>DWB</i> 4-11-94 A SCALE --- SHEET 1 OF 1			

Tue Jul 16 09:03:36 1996

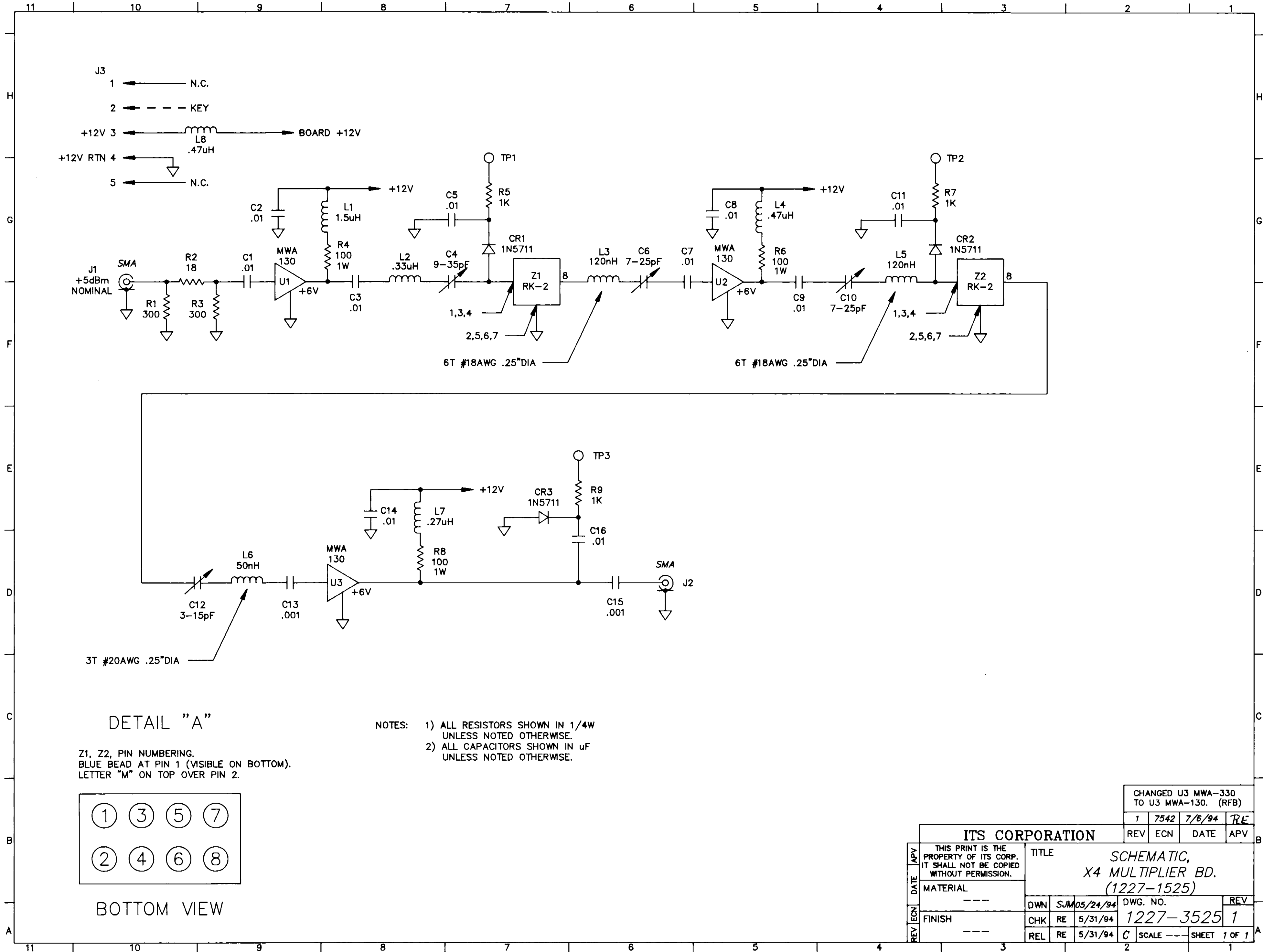


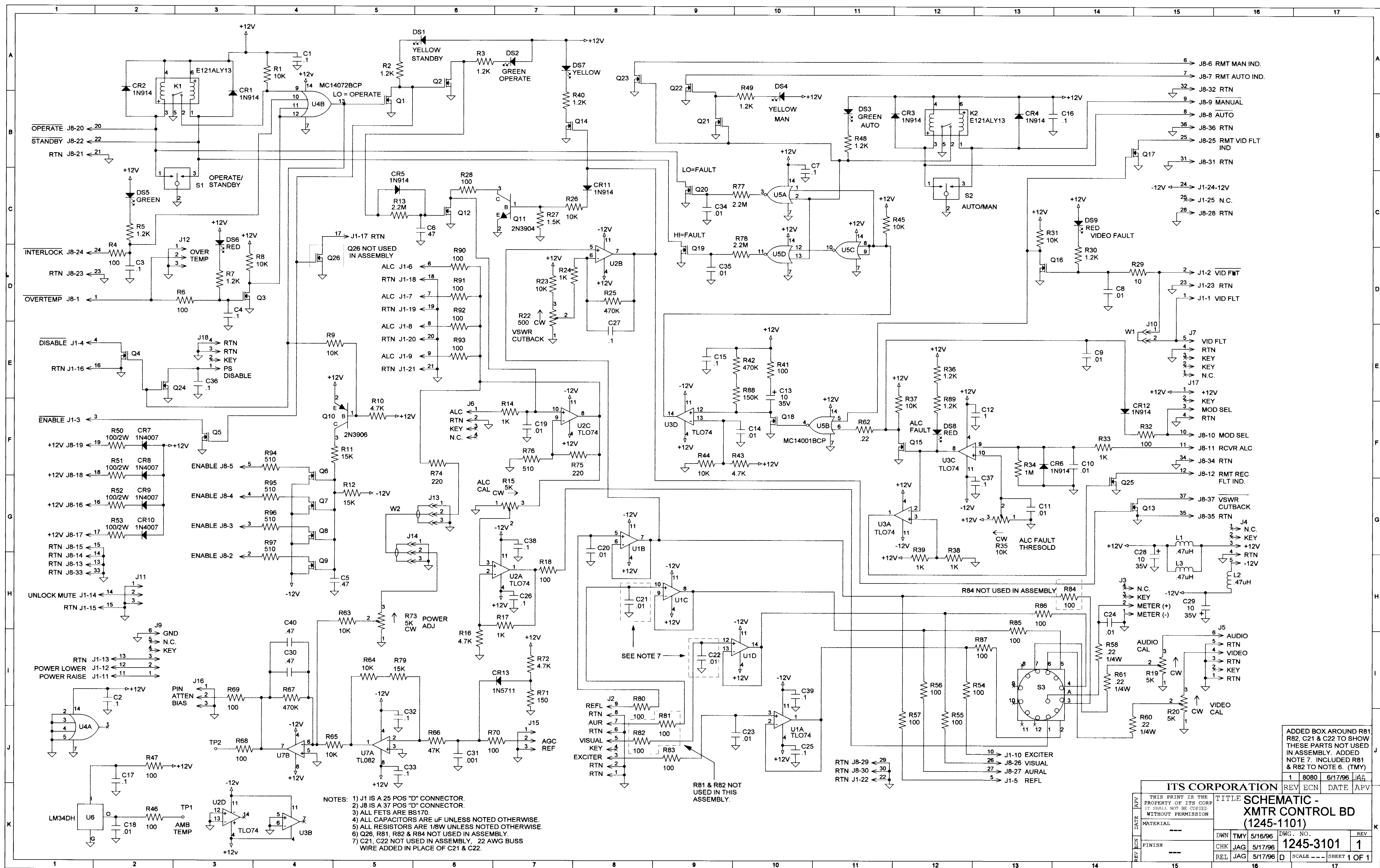


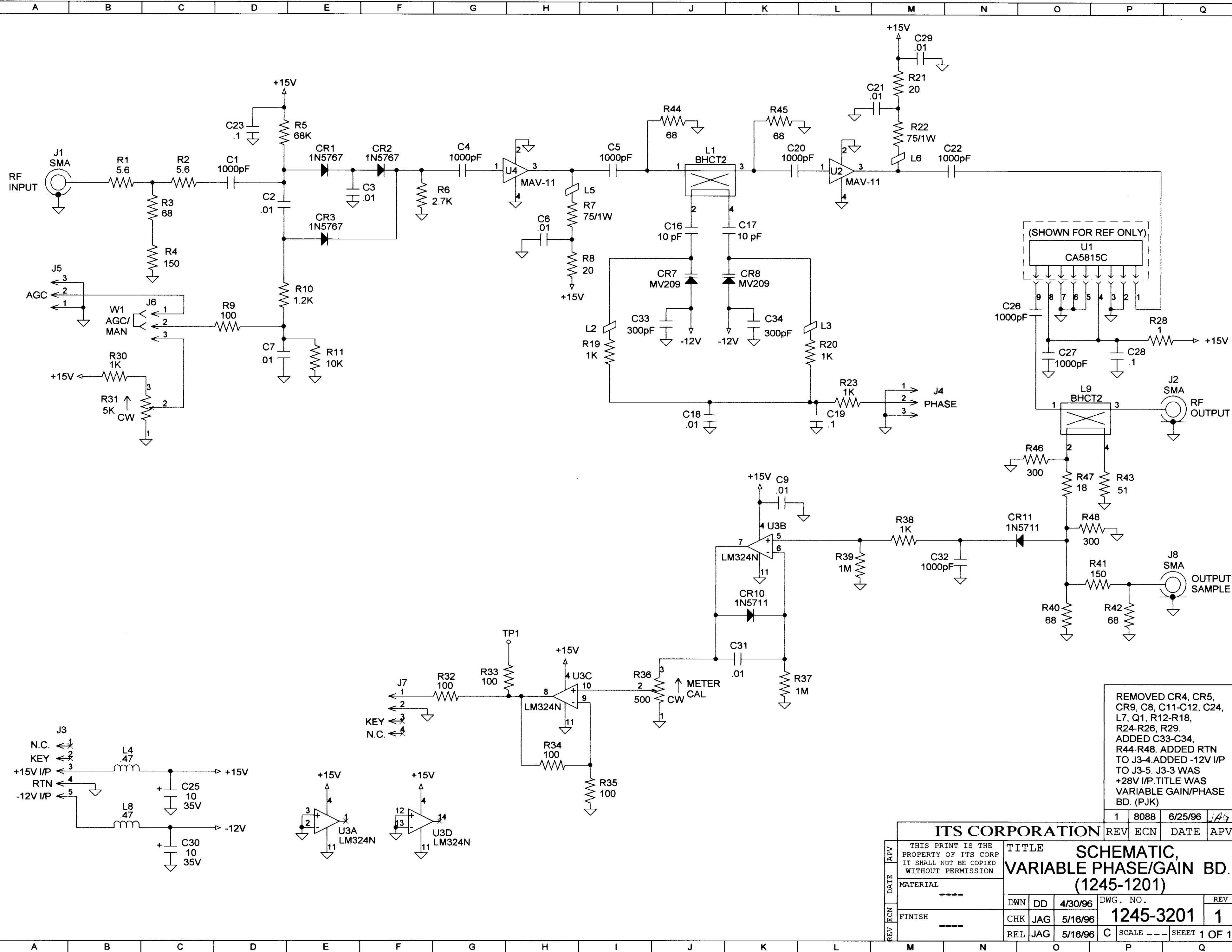




ITS CORPORATION				REV	ECN	DATE	APV
REV	DATE	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.					
	ECN	MATERIAL -----					
	APV	FINISH -----					
TITLE		SCHEMATIC - X2 MULTIPLIER BD, L.B. VHF (1227-1524)					
DWN	SJM	5/25/94	DWG. NO.		REV		
CHK	RE	5/31/94	1227-3524		0		
REL	RE	5/31/94	A	SCALE----	SHEET 1 OF 1		

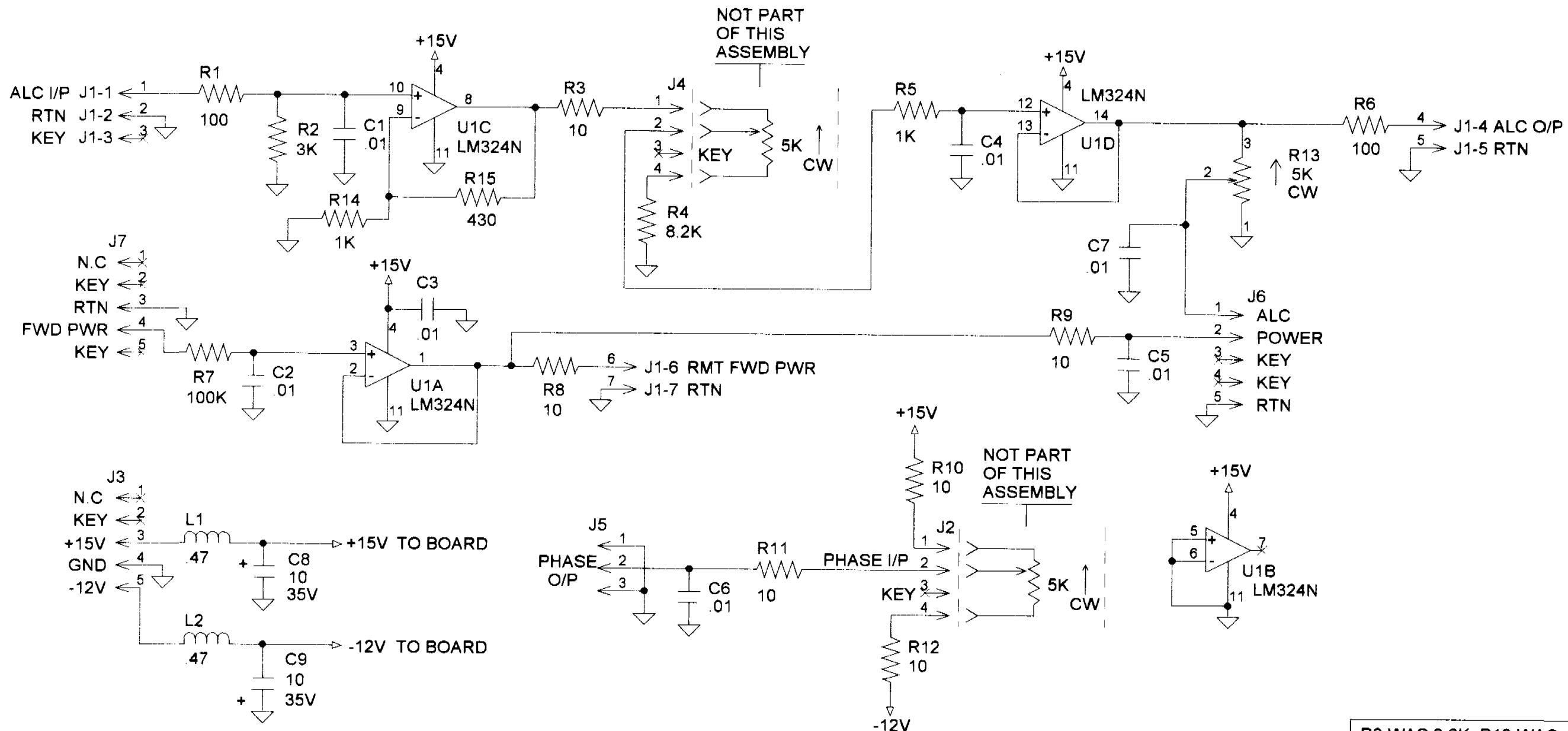






REMOVED CR4, CR5,
CR9, C8, C11-C12, C24,
L7, Q1, R12-R18,
R24-R26, R29.
ADDED C33-C34,
R44-R48. ADDED RTN
TO J3-4. ADDED -12V I/P
TO J3-5. J3-3 WAS
+28V I/P. TITLE WAS
VARIABLE GAIN/PHASE
BD. (PJK)

1				8088	6/25/96	JAG	2
1				ECN	DATE	APV	
THIS PRINT IS THE PROPERTY OF ITS CORP IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE SCHEMATIC, VARIABLE PHASE/GAIN BD. (1245-1201)			
MATERIAL ----				DWN	DD	4/30/96	DWG. NO.
FINISH ----				CHK	JAG	5/16/96	1245-3201
REL				JAG	5/16/96	C	SCALE --- SHEET 1 OF 1



R3 WAS 3.6K. R13 WAS
10 OHM. ADDED R14 &
R15. (TMY)

NOTES:

- 1) ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE NOTED.
- 2) ALL CAPACITORS ARE IN μ F UNLESS OTHERWISE NOTED.
- 3) ALL INDUCTORS ARE IN μ H UNLESS OTHERWISE NOTED.

ITS CORPORATION

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WITHOUT PERMISSION

TITLE SCHEMATIC -
METERING BOARD
(1245-1202)

MATERIAL

FINISH

DWN PJK 5/9/96

CHK JAG 5/16/96

REL JAG 5/16/96

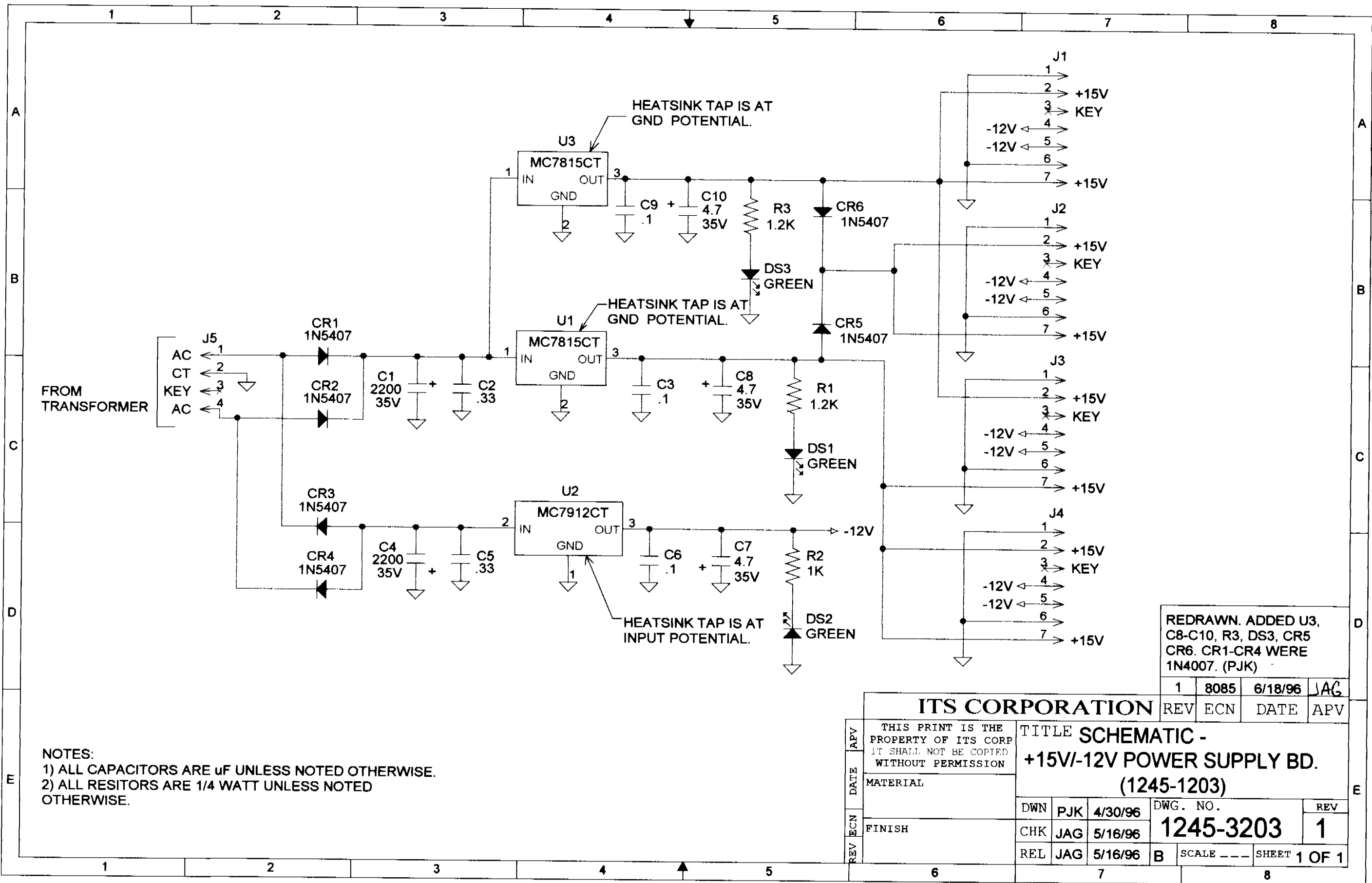
DWG. NO.

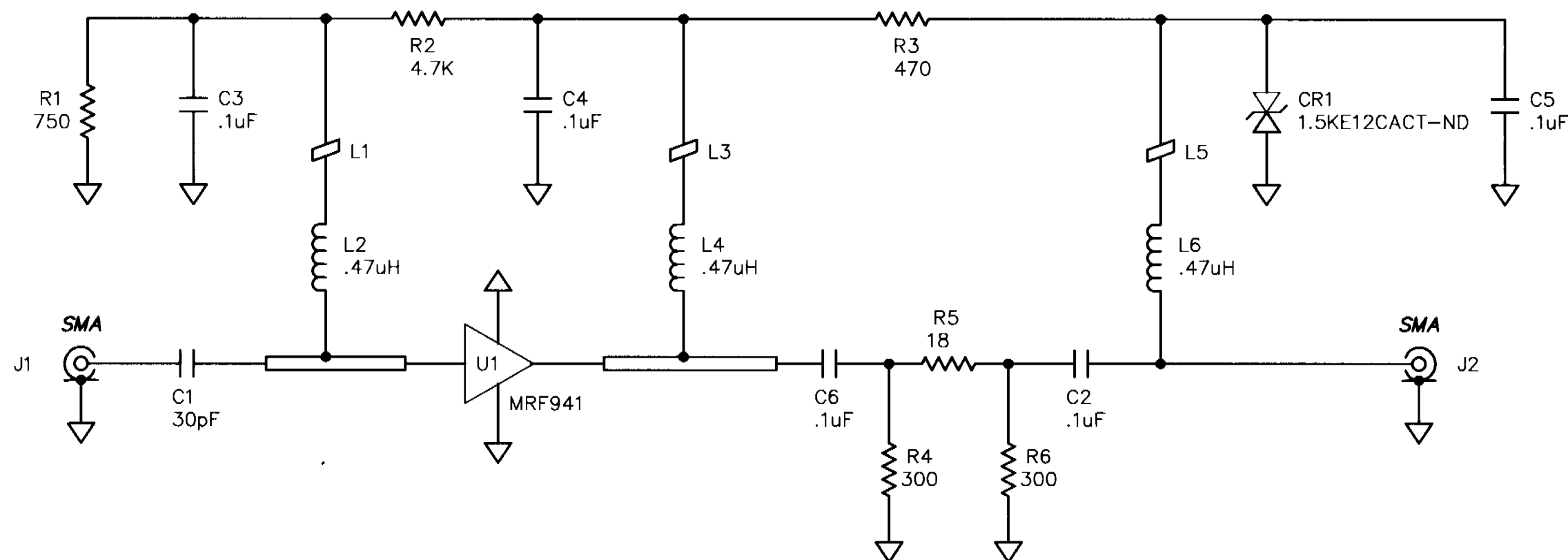
1245-3202

REV

1

SCALE --- SHEET 1 OF 1





ADDED C6, R4, R5 & R6
BEFORE C2. CHANGED R3
FROM 620 TO 470. ADDED
CR1. (MM)

1	7914	10/2/95	DW
REV	ECN	DATE	APV

ITS CORPORATION

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WITHOUT PERMISSION.

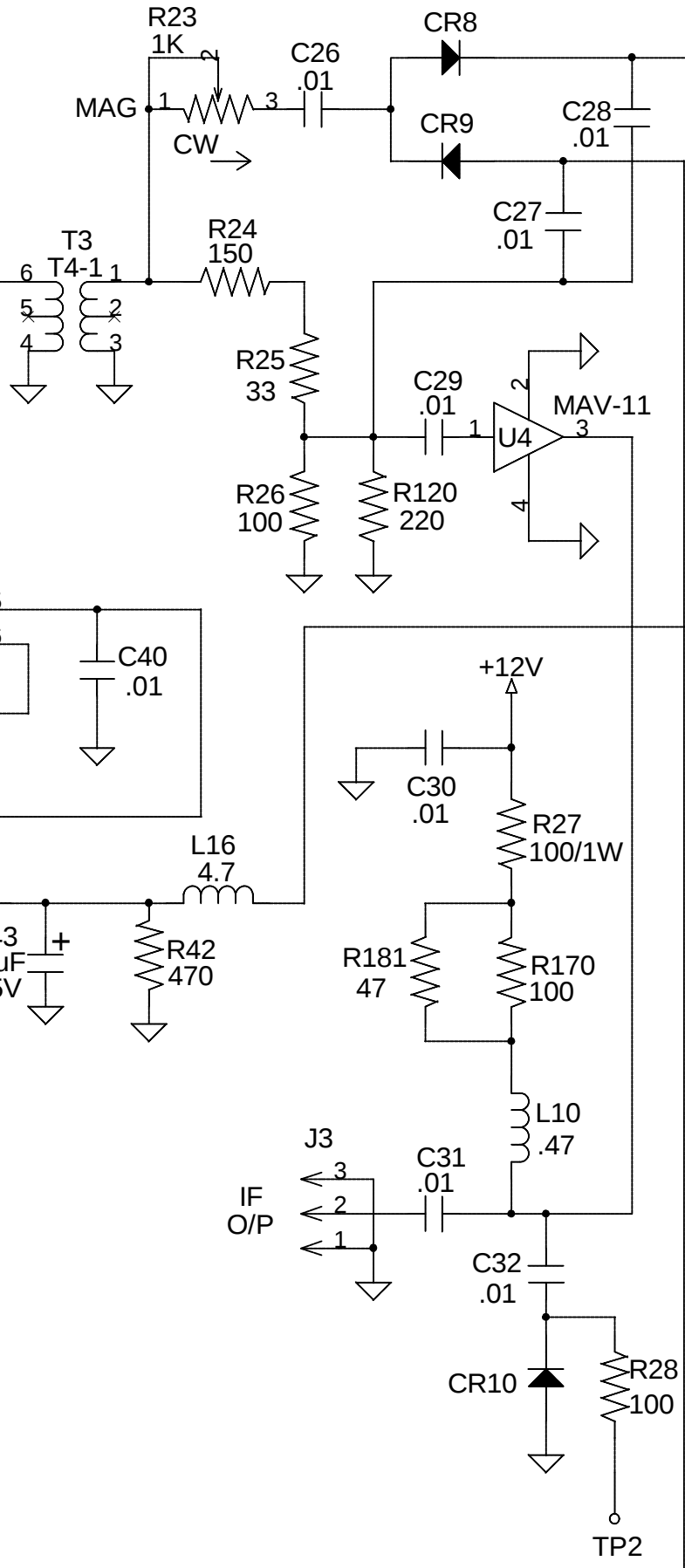
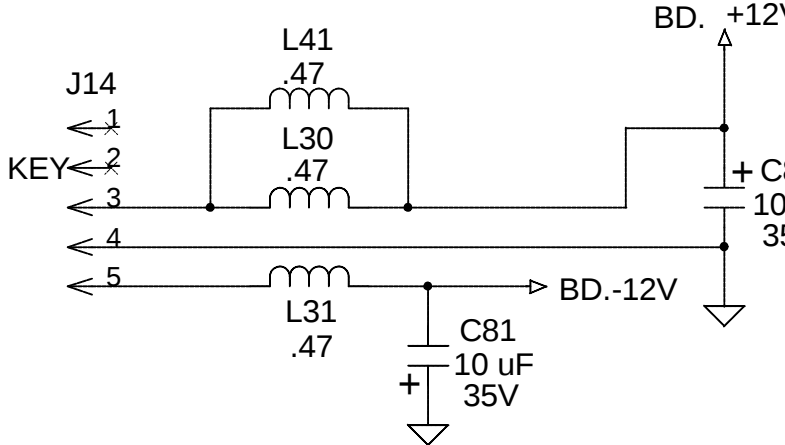
MATERIAL

FINISH

TITLE
**SCHEMATIC
LOW NOISE UHF AMPLIFIER BD.
(1257-1101)**

DWN	SJM	8/4/95	DWG. NO.	REV
CHK	DW	8/8/95	1257-3101	1
REL	DW	8/8/95	B SCALE----	SHEET 1 OF 1

- NOTES:
1) ALL DIODES ARE 1N5711 UNLESS OTHERWISE NOTED.
2) ALL NPN TRANSISTORS ARE 2N3904 UNLESS OTHERWISE NOTED.
3) ALL OP AMPS ARE TL074 UNLESS OTHERWISE NOTED.
4) S1, K1, K2, M1, AND R75 ARE PART OF REMOTE POWER RAISE/LOWER KIT.
5) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
6) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

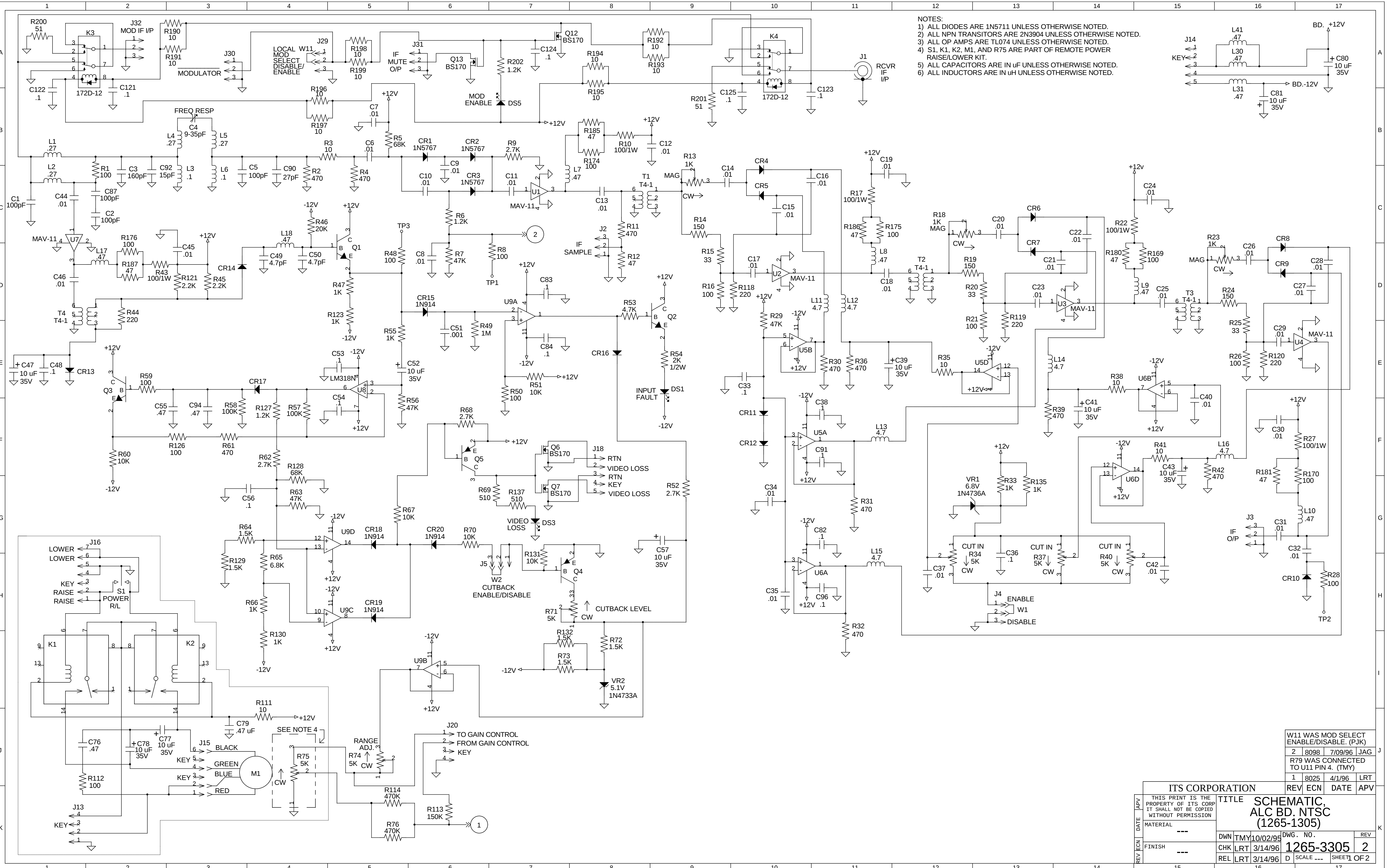


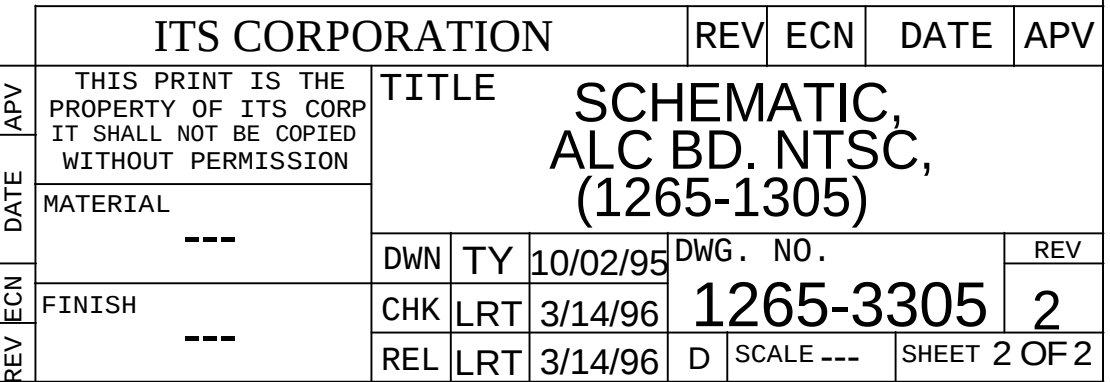
W11 WAS MOD SELECT ENABLE/DISABLE. (PJK)			
2	8098	7/09/96	JAG
R79 WAS CONNECTED TO U11 PIN 4. (TMY)			
1	8025	4/1/96	LRT
REV ECN DATE APV			
1	8025	4/1/96	LRT
2	8098	7/09/96	JAG

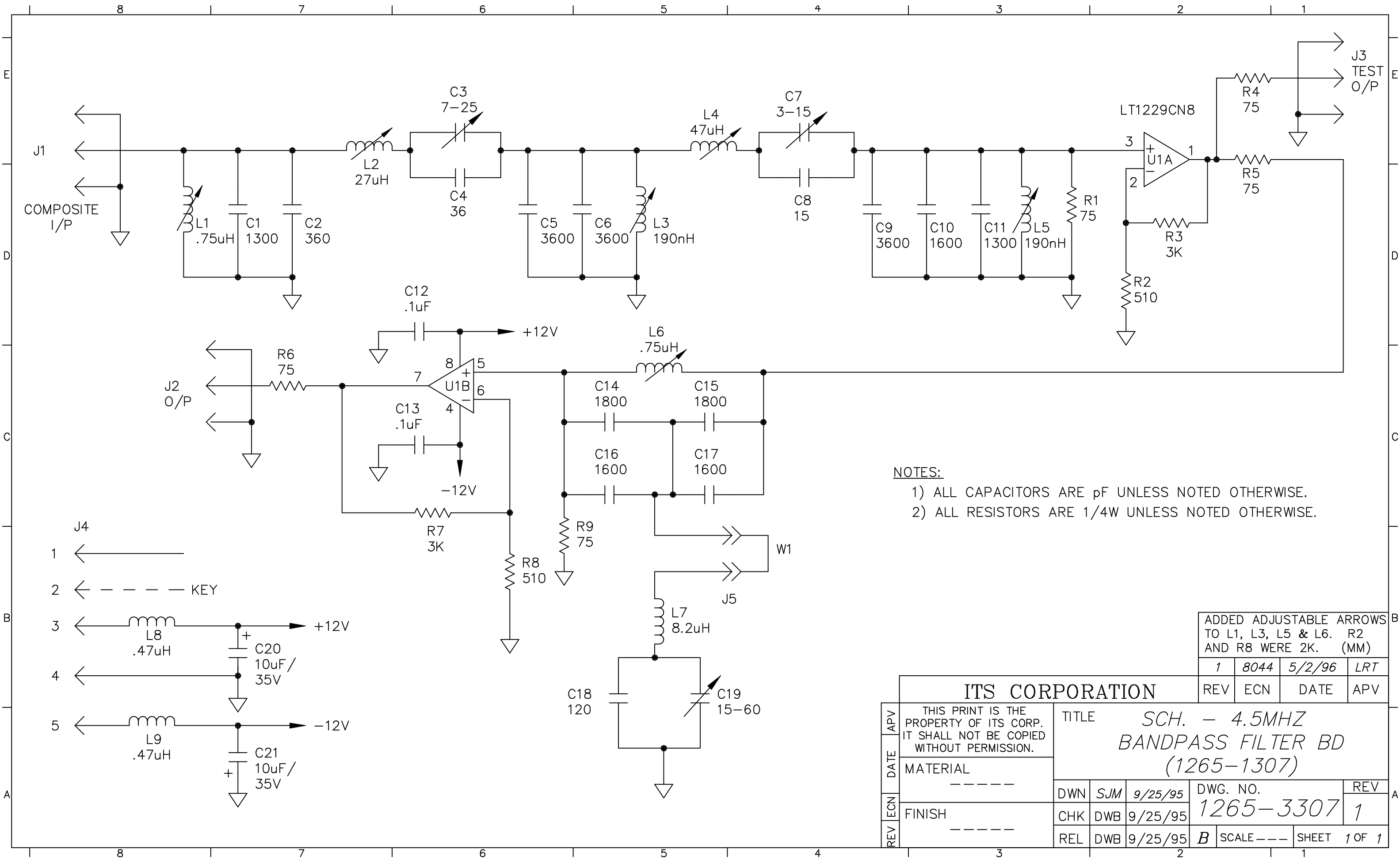
THIS PRINT IS THE PROPERTY OF ITS CORP IT SHALL NOT BE COPIED WITHOUT PERMISSION			
DATE	MATERIAL	---	---
REV	ECN	DATE	APV
1	8025	4/1/96	LRT
2	8098	7/09/96	JAG

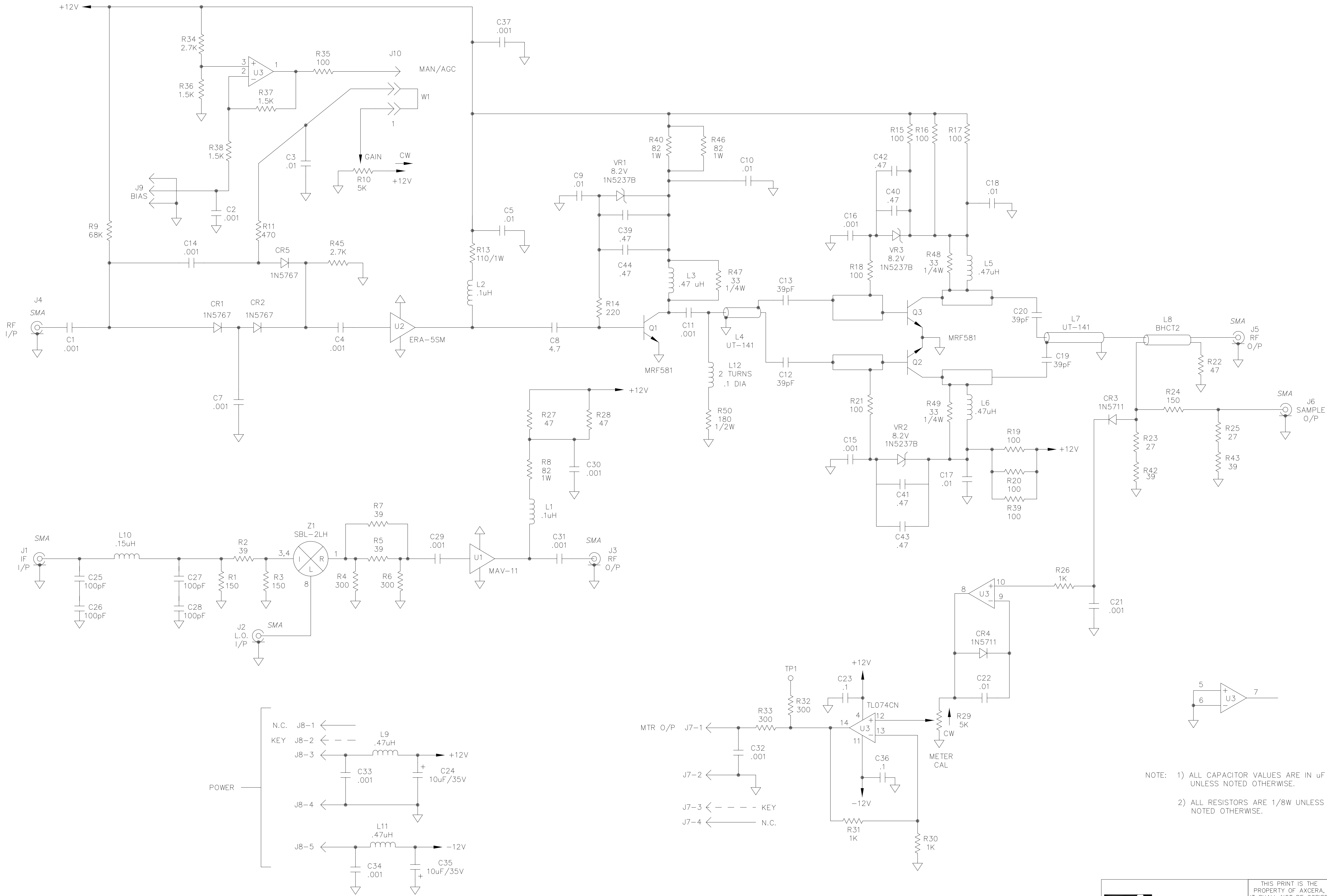
TITLE SCHEMATIC,
ALC BD. NTSC
(1265-1305)

DWN	TMY	10/02/95	DWG. NO.	REV
CHK	LRT	3/14/96	1265-3305	2
REL	LRT	3/14/96	D SCALE ---	SHEET 1 OF 2









REMOVE R12 AND R44. CHANGE R13 FROM 82 OHMS TO 110 OHMS. CHANGE U2 FROM MAV-11 TO ERA-5SM. PWN			
B0	20110428	09/16/02	LRT
ADDED C42-C44, L12, R47-R50. C39 - C41 WERE 1uF. REMOVED C6 FROM THE OUTPUT OF U2. C8 WAS 3pF. (PJK)			
A0	20028596	6/1/99	LRT
CHANGED C8 FROM 1.8-10pF TO 3pF. ADDED R46 AND DELETED C38. (RFB)			
4	9279	1/23/98	LTR
ADDED IT-5 CY30C105P CAP AT C39. C40 AND C41 IN PARALLEL WITH VR1, VR3 AND VR2. (MAS)			
3	8816	1/23/97	LRT
DELETED R41 AND ADDED C38. (RFB)			
2	8635	11/18/96	LRT
ADDED "SMA" TO J1-J3, J5, J6. ADDED "uH" TO L1. ADDED "KEY" TO J7-3. "N.C." TO J7-4. C8 WAS .8-10pF. (PJK)			
1	8035	4/11/96	LRT
REV	ECO	DATE	APV

NOTE: 1) ALL CAPACITOR VALUES ARE IN uF UNLESS NOTED OTHERWISE.
2) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.



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MATERIAL

FINISH

TITLE
91-00-00-50R-61
UHF UPCONVERTER BD.

DWN PJK 1/25/96

CHK LRT 3/14/96

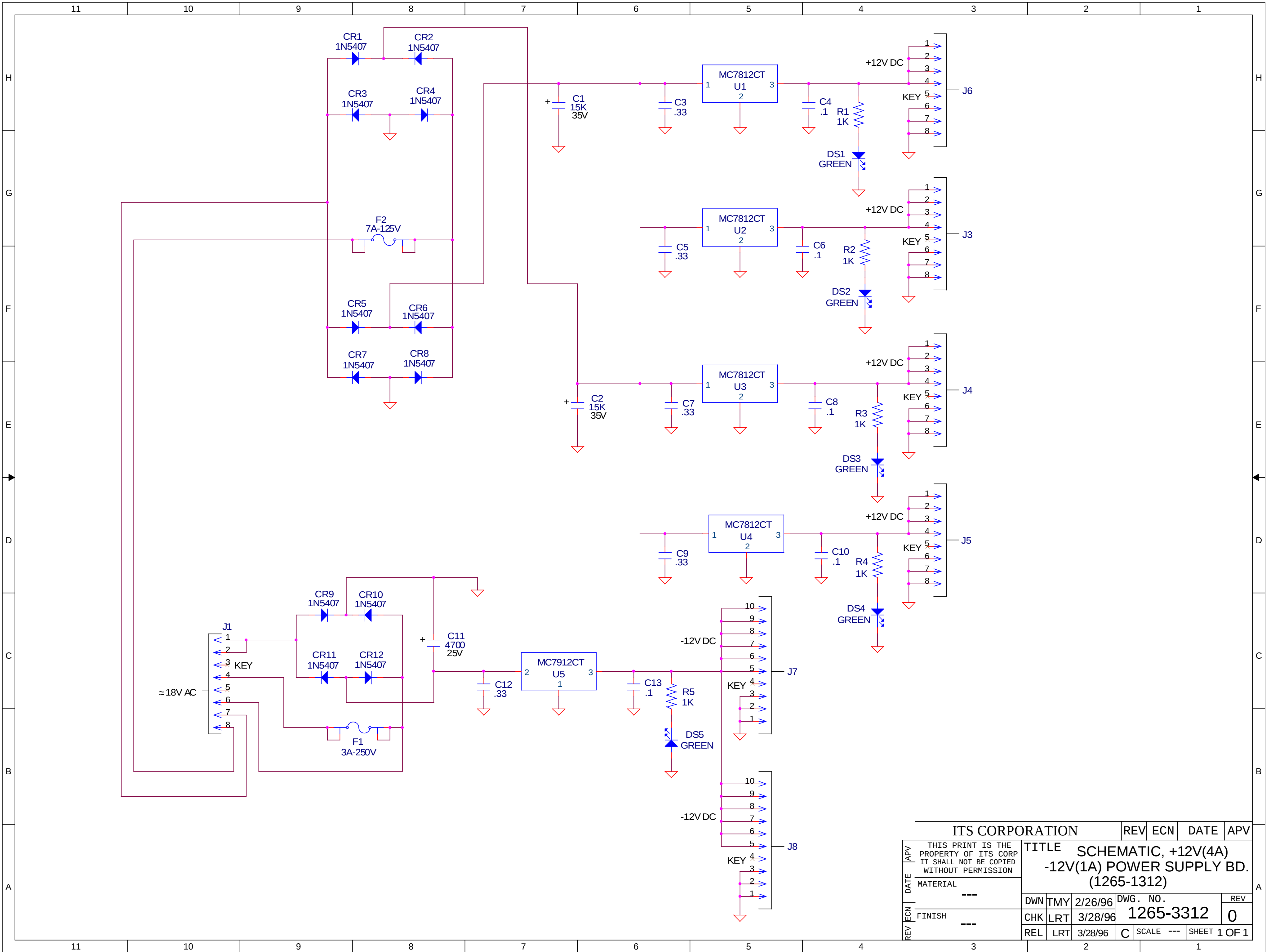
REL LRT 3/14/96

DWG. NO.
1265-3310

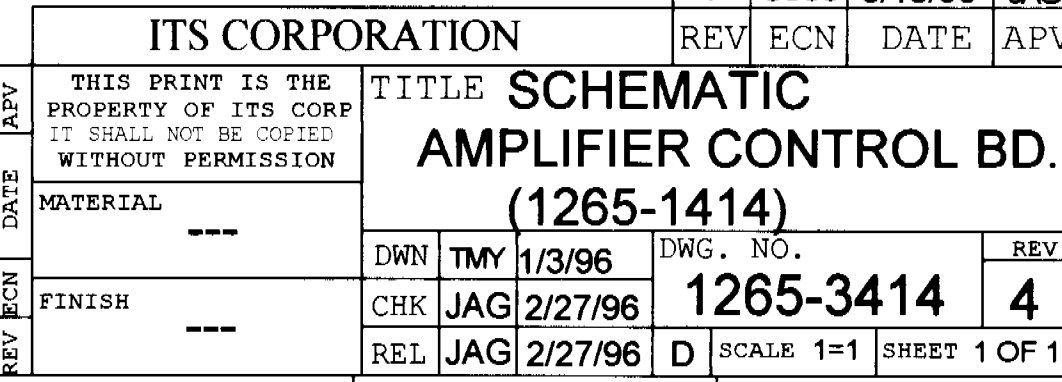
SCALE 1=1

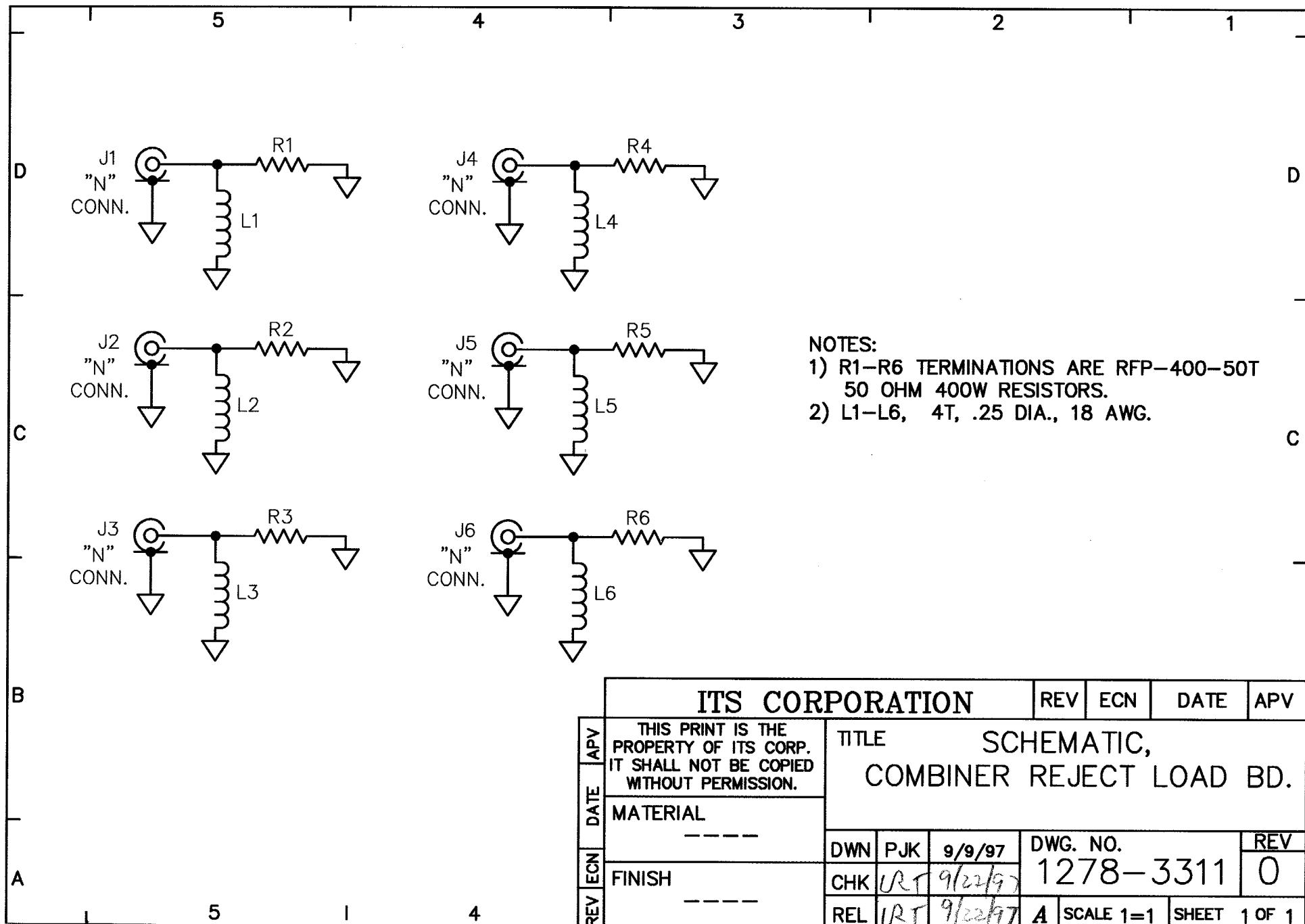
REV
B0

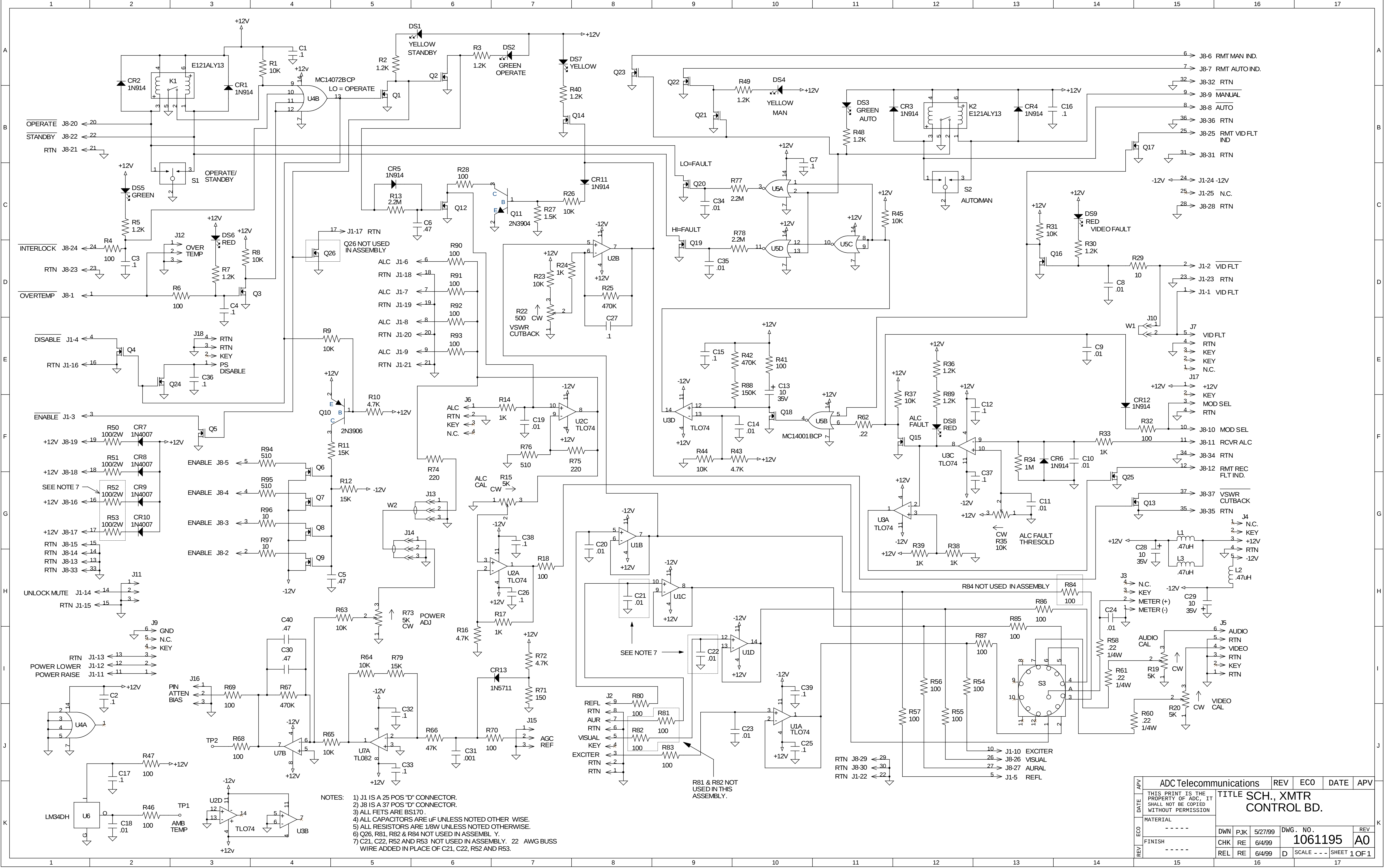
SHEET 1 OF 1



ITS CORPORATION				REV	ECN	DATE	APV
REV	DATE	THIS PRINT IS THE PROPERTY OF ITS CORP IT SHALL NOT BE COPIED WITHOUT PERMISSION					
	DATE	MATERIAL ---					
	ECN	FINISH ---					
DWN		TMY	2/26/96	DWG. NO.		REV	
CHK		LRT	3/28/96	1265-3312		0	
REL		LRT	3/28/96	C	SCALE ---	SHEET 1 OF 1	



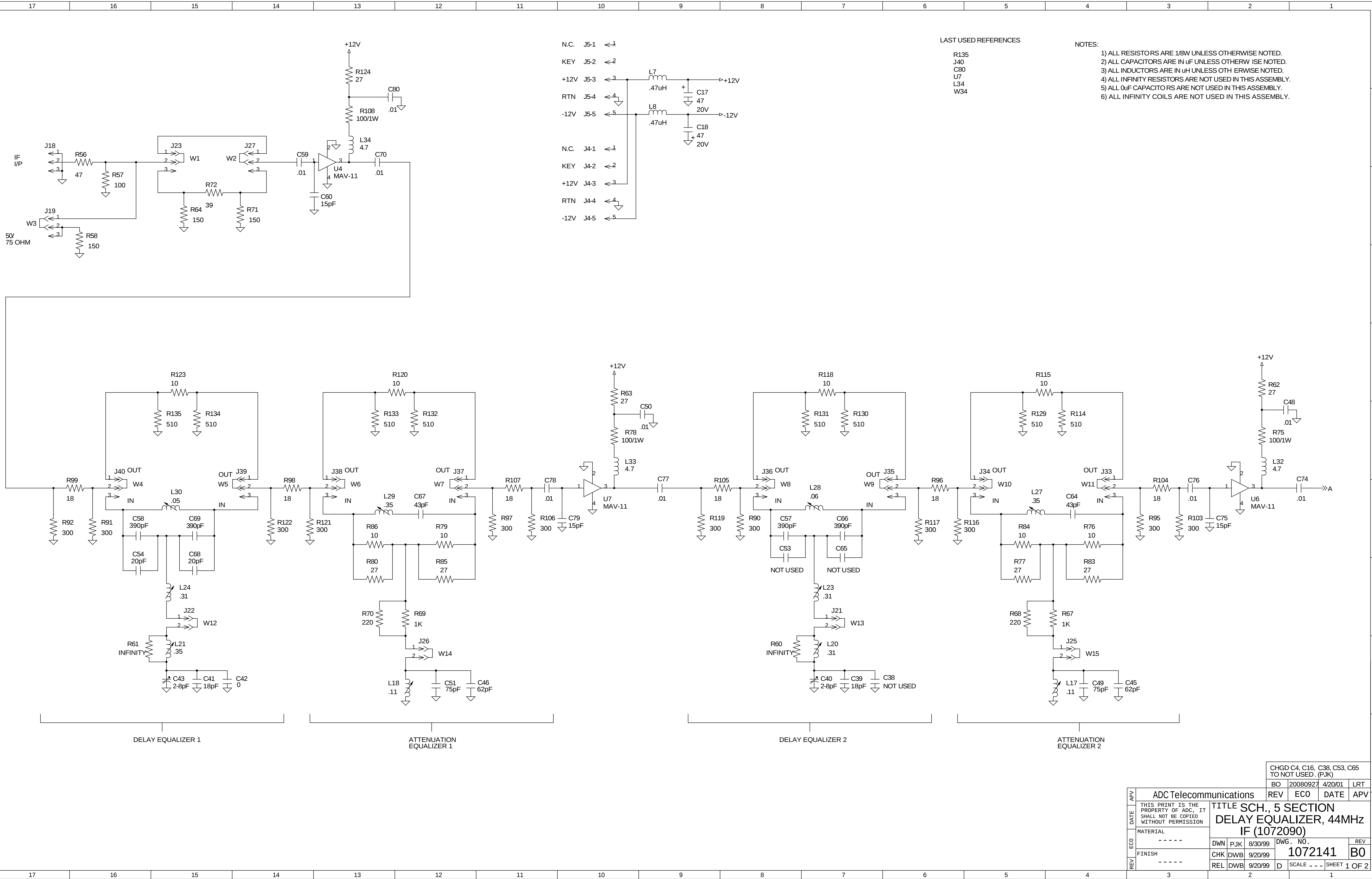


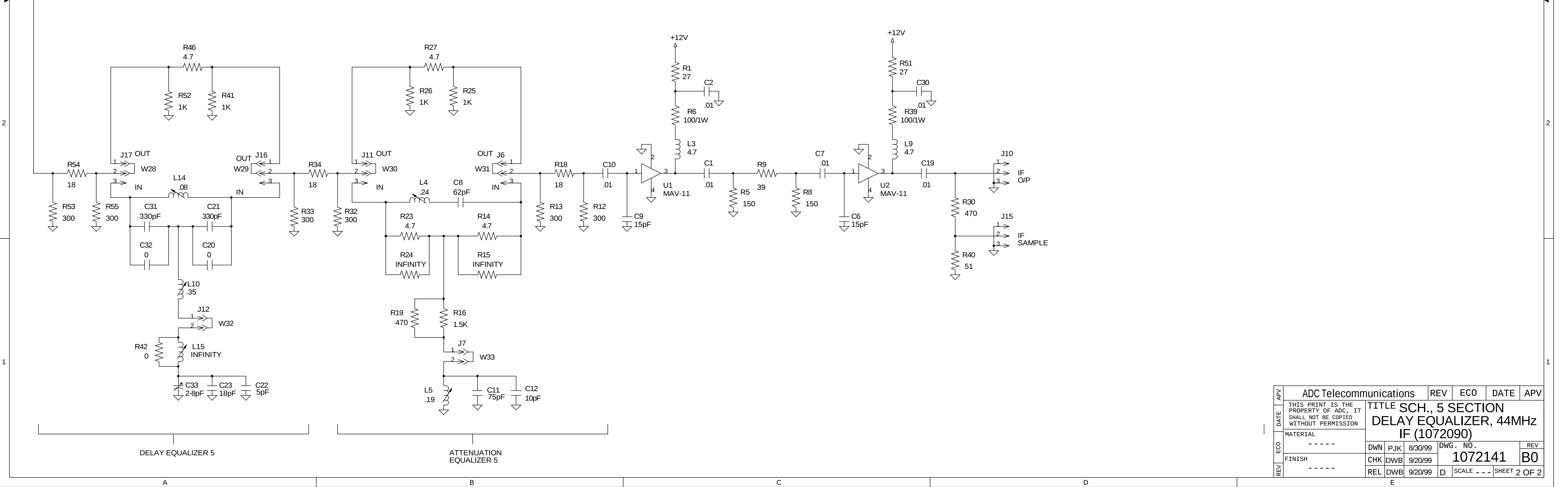
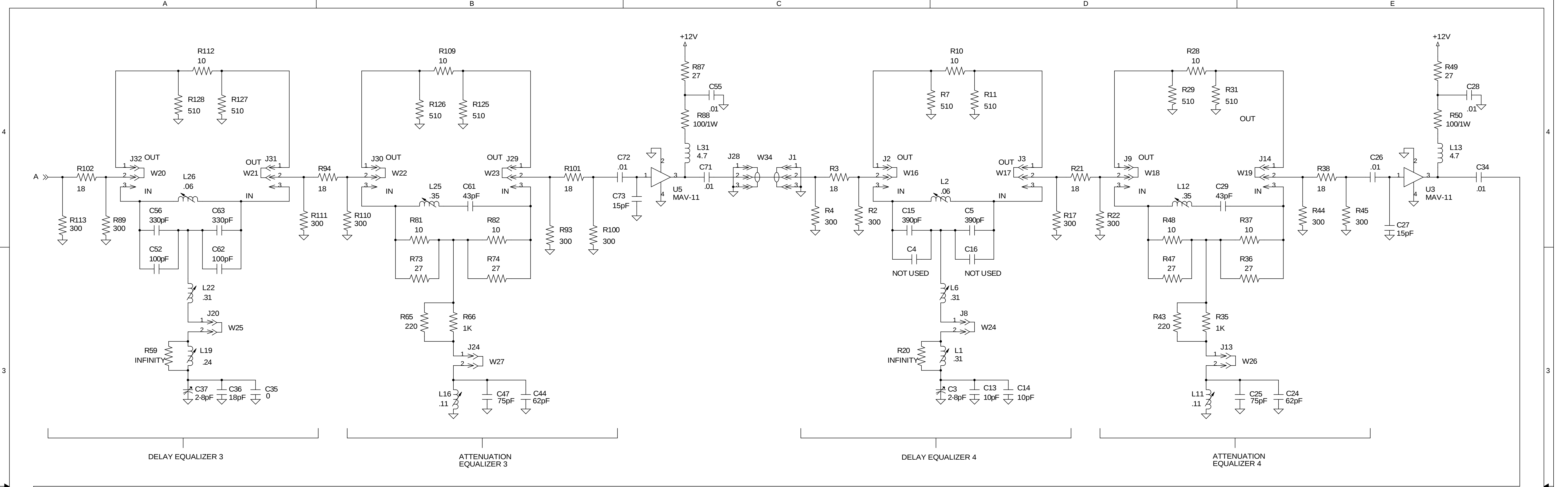


NOTES:

- 1) J1 IS A 25 POS "D" CONNECTOR.
- 2) J8 IS A 37 POS "D" CONNECTOR.
- 3) ALL FETS ARE BS170.
- 4) ALL CAPACITORS ARE uF UNLESS NOTED OTHER WISE.
- 5) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.
- 6) Q26, R81, R82 & R84 NOT USED IN ASSEMBLY.
- 7) C21, C22, R52 AND R53 NOT USED IN ASSEMBLY. 22 AWG BUSS WIRE ADDED IN PLACE OF C21, C22, R52 AND R53.

APV	ADC Telecommunications				REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF ADC, IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE SCH., XMTR CONTROL BD.			
MATERIAL	-----				DWN	PJK	5/27/99	DWG. NO.
FINISH	-----				CHK	RE	6/4/99	1061195
REV	-----				REL	RE	6/4/99	SCALE --- SHEET 1 OF 1





APV	ADC Telecommunications					REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF ADC. IT SHALL NOT BE COPIED WITHOUT PERMISSION					TITLE SCH., 5 SECTION DELAY EQUALIZER, 44MHZ IF (1072090)			
MATERIAL									
ECO	-----					DWN	PJK	8/30/99	DWG. NO.
REV	FINISH					CHK	DWB	9/20/99	1072141
						REL	DWB	9/20/99	D
									B0

Maschinell erzeugt!
Nicht manuell ändern!

Schutzvermerk nach DIN 34 beachten!
NOTE: copyright protected as in DIN 34!

SN79-308
SCHEMATIC 1
G:\PROJ\ORCAD\WSP\6379\308-02\SN79-308.DSN

ORCAD SCHEMATIC

Detektor-
ausgang
DETECTOR OUT

HF-Eingang
RF INPUT

32V

HF-Ausgang
RF OUTPUT

HF-Schirmgehäuse
RF COVER

- * gedr. Bauelement
PRINTED COMPONENT
- ** Montage auf Kühlkörper
MOUNTED ON HEATSINK
- *** Abgleichwert
FACTORY SET VALUE
- 2) R839 entfällt, wenn X805 genutzt wird
R839 IS REMOVED WHEN X805 IS USED
- 3) C833, C851 entfallen bei Bestückung von R816, R818
u. R819
C833, C851 ARE REMOVED WHEN R816, R818, R819 ARE INSTALLED

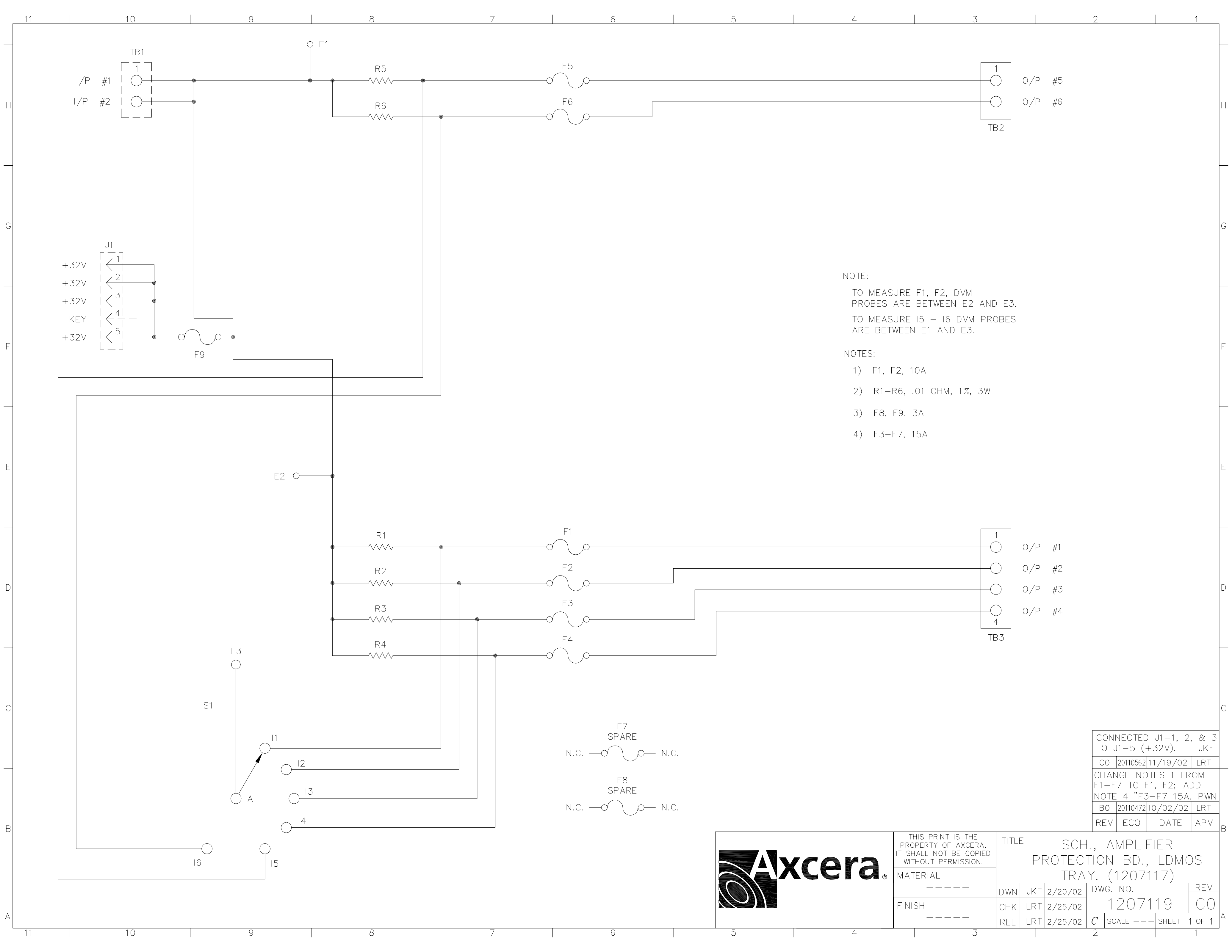
GAIN
CONTROL

Leiterplattenbestückung siehe
PC BOARD LAYOUT SEE
51-5379-308-00 (1)

1)



				Datum	Name	40W-Modul UHF 40W MODULE UHF	
				Bearb.	22.04.98		
				Gepr.			
				Norm.	4.3.99		
02	E185	26.10.98	Sche	TELEFUNKEN Sendertechnik		51-5379-308-00 WSP XB	
01		8.5.98	Sche				
Zust.	Änderung	Datum	Name	Urspr.:	Ers. f.:	Ers. d.:	Blatt 1

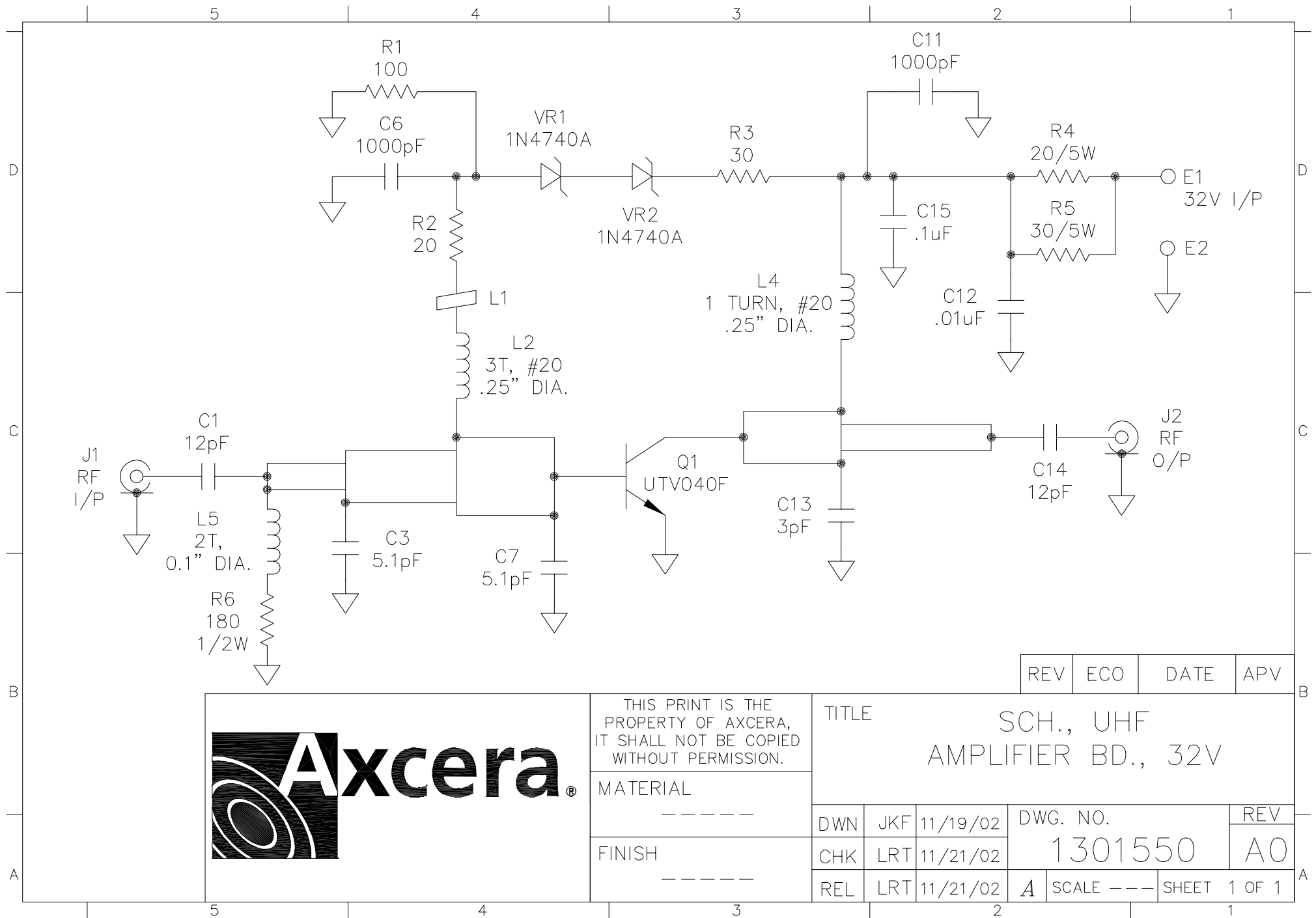


NOTE:
TO MEASURE F1, F2, DVM
PROBES ARE BETWEEN E2 AND E3.
TO MEASURE I5 – I6 DVM PROBES
ARE BETWEEN E1 AND E3.

- NOTES:
- 1) F1, F2, 10A
 - 2) R1–R6, .01 OHM, 1%, 3W
 - 3) F8, F9, 3A
 - 4) F3–F7, 15A

CONNECTED J1–1, 2, & 3 TO J1–5 (+32V). JKF			
CO	20110562	11/19/02	LRT
CHANGE NOTES 1 FROM F1–F7 TO F1, F2; ADD NOTE 4 "F3–F7 15A. PWN			
B0	20110472	10/02/02	LRT
REV	ECO	DATE	APV

		THIS PRINT IS THE PROPERTY OF AXCERA. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE SCH., AMPLIFIER PROTECTION BD., LDMOS TRAY. (1207117)			
		MATERIAL -----		DWN	JKF	2/20/02	DWG. NO.
FINISH -----		CHK	LRT	2/25/02	1207119		REV
		REL	LRT	2/25/02	C	SCALE ---	SHEET 1 OF 1



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MATERIAL

FINISH

TITLE

SCH., UHF
AMPLIFIER BD., 32V

DWN

JKF

11/19/02

DWG. NO.

1301550

REV

A0

CHK

LRT

11/21/02

REL

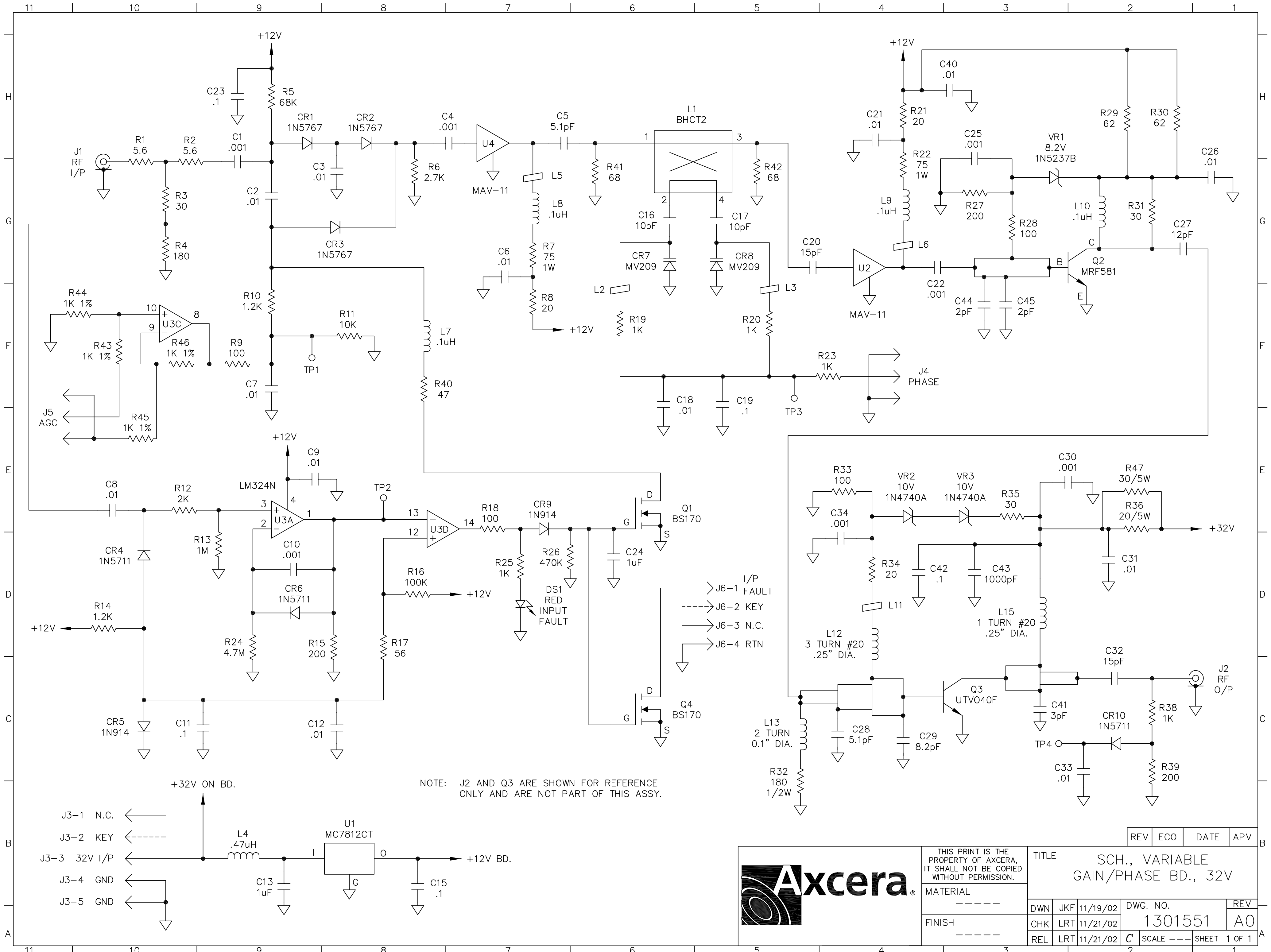
LRT

11/21/02

A

SCALE ---

SHEET 1 OF 1



NOTE: J2 AND Q3 ARE SHOWN FOR REFERENCE ONLY AND ARE NOT PART OF THIS ASSY.



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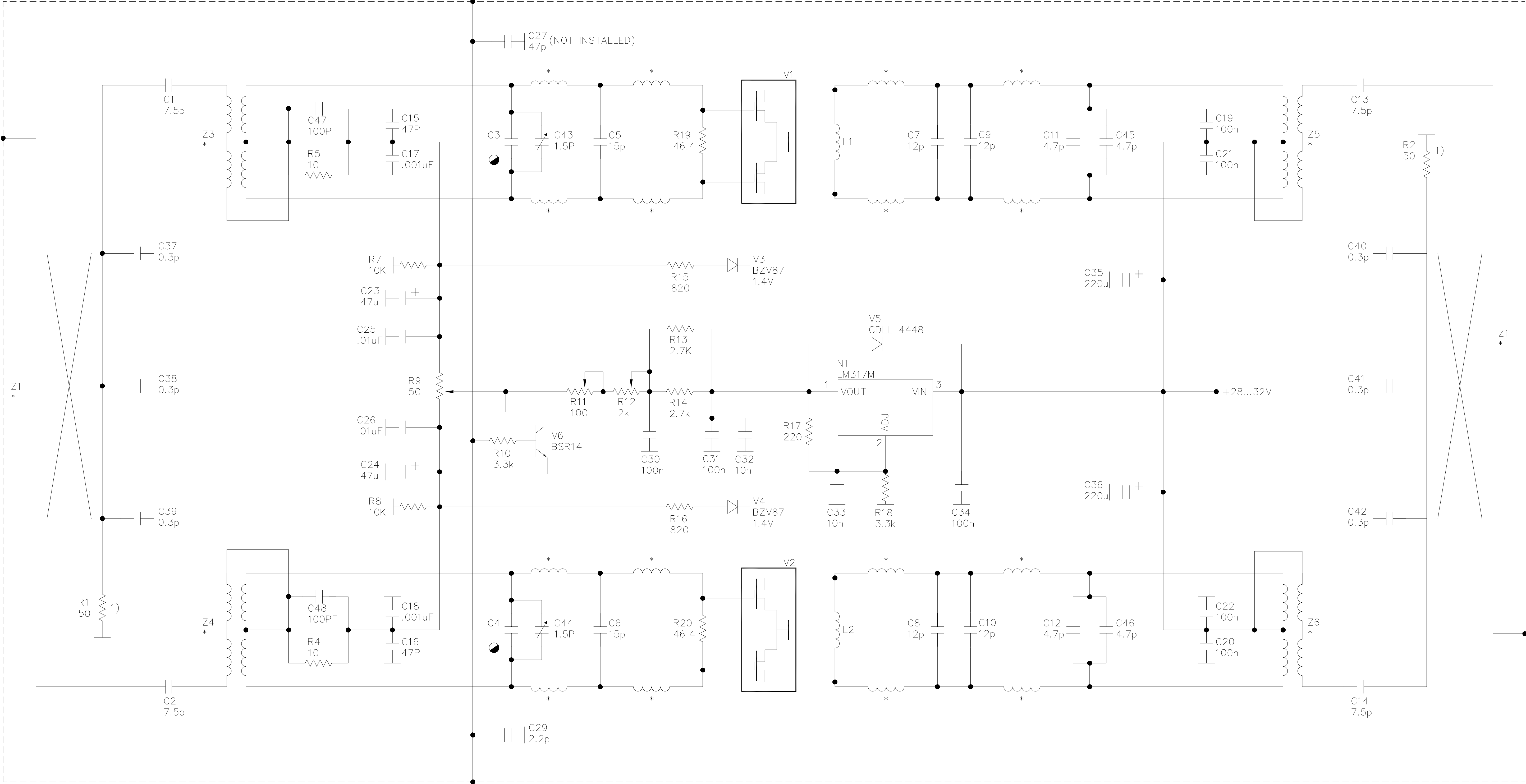
MATERIAL -----

FINISH -----

TITLE
SCH., VARIABLE GAIN/PHASE BD., 32V

DWN	JKF	11/19/02	DWG. NO.	REV
CHK	LRT	11/21/02	1301551	A0
REL	LRT	11/21/02	C	SCALE --- SHEET 1 OF 1

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



* PRINTED COMPONENT

FACTORY SET VALUE

PC BOARD LAYOUT SEE
51-5379-309-00 (2)

CHANGE R3 FROM A 22 OHM RESISTOR TO C47, SM, CAP, 100PF, 500WDC, 100PF, CHANGE R6 FROM A 22 OHM RESISTOR TO C48, SM, CAP, 100PF, 500WDC, 100PF, CHANGE R4 FROM A 22 OHM RESISTOR TO 15906003SMT SM,, RES, 10 OHM 5% 1/8W CHANGE R5 FROM A 22 OHM RESISTOR TO 15906003SMT SM,, RES, 10 OHM 5% 1/8W CHANGE C17 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM,, CAP, .001 UF, 50 WVDC CHANGE C18 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM,, CAP, .001 UF, 50 WVDC ADD C23 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C24 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C25 15906161SMT SM,, CAP, .01 UF, 50 WVDC ADD C26 15906161SMT SM,, CAP, .01 UF, 50 WVDC PWN	DO 20100449/18/02 RJ
---	----------------------

		THIS PRINT IS THE PROPERTY OF AXCIERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE AMPLIFIER MODULE	
MATERIAL		FINISH		DWN PWN04/01/02	
REL LRT04/03/02		CHK LRT04/03/02		DWG. NO. 51-5379-309-00 WSP	
REV ECO DATE APV		SCALE		SHEET 1 OF 1	

DELETED PTF10159 P/N FROM LDMOS. ADDED C23,C24 & C27. CDD/CR	CO 20110221 5/17/02 RE
R15 AND R16 WERE 680 OHMS. PWN	BO 2010031604/02/02 LRT
REV ECO DATE APV	