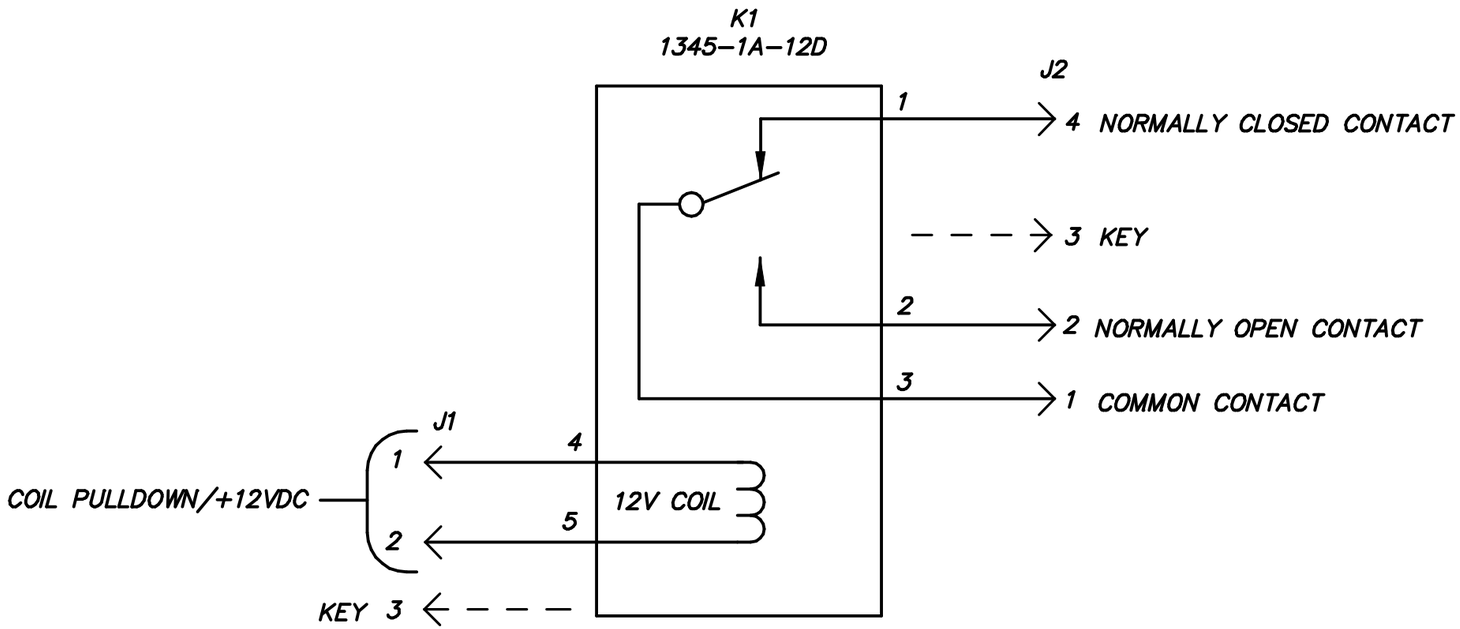

REDRAWN ON CAD. (RFB)			
0	2437	8-29-90	JCM
REV	ECN	DATE	APV

ITS CORPORATION

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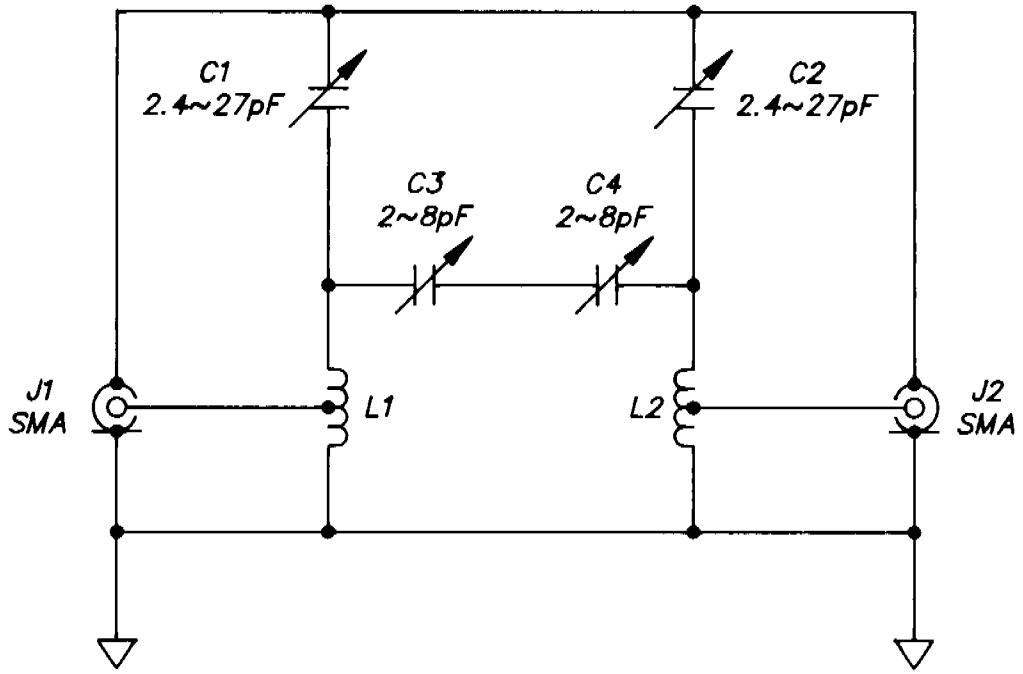
MATERIAL ----

FINISH ----

TITLE **91-00-00-50A-61**
ISOLATION RELAY BOARD

DWN	RWZ	11-1-82	DWG. NO. 1002-3108		REV 0
CHK	JCM	8/29/90			
REL	JCM	8/29/90	B	SCALE ----	SHEET 1 OF 1

APV | DATE | ECN | REV



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

ITS CORPORATION	REV	ECN	DATE	APV

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MATERIAL ---

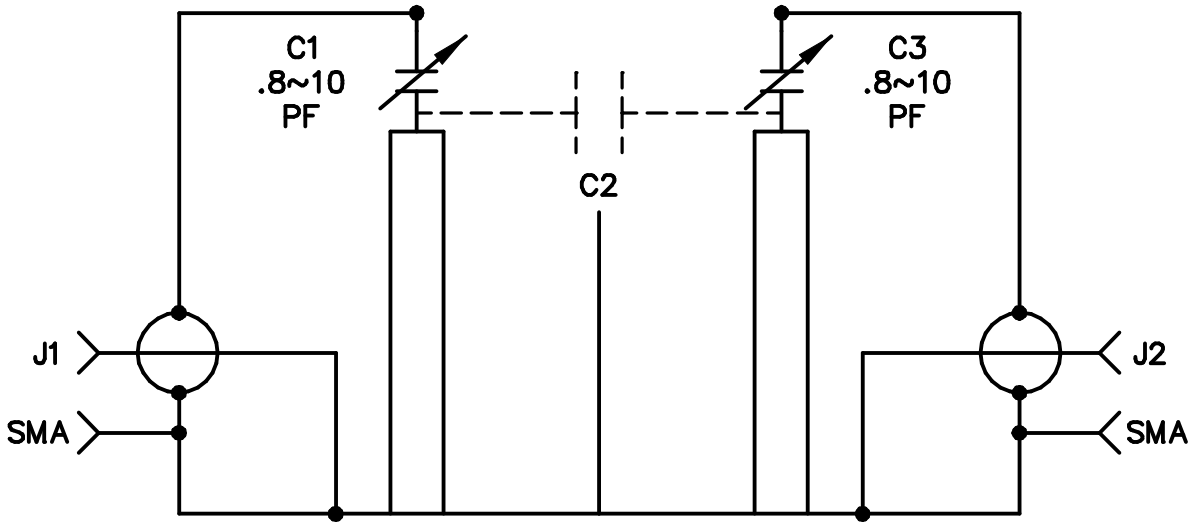
FINISH ---

TITLE: SCHEMATIC — VHF FILTER (1005-1208)

			DWG. NO.	REV
DWN	TM	6/13/85	1005-3208	0
CHK	CAR	1/24/92		
REL	CAR	1/24/92	A SCALE ---	SHEET 1 OF 1

APV | DATE | ECN | REV

DO NOT REUSE



NOTE: C2 IS STRAY CAPACITANCE BETWEEN LINE SECTIONS.

REV	ECO	DATE	APV

ADC

MATERIAL ------

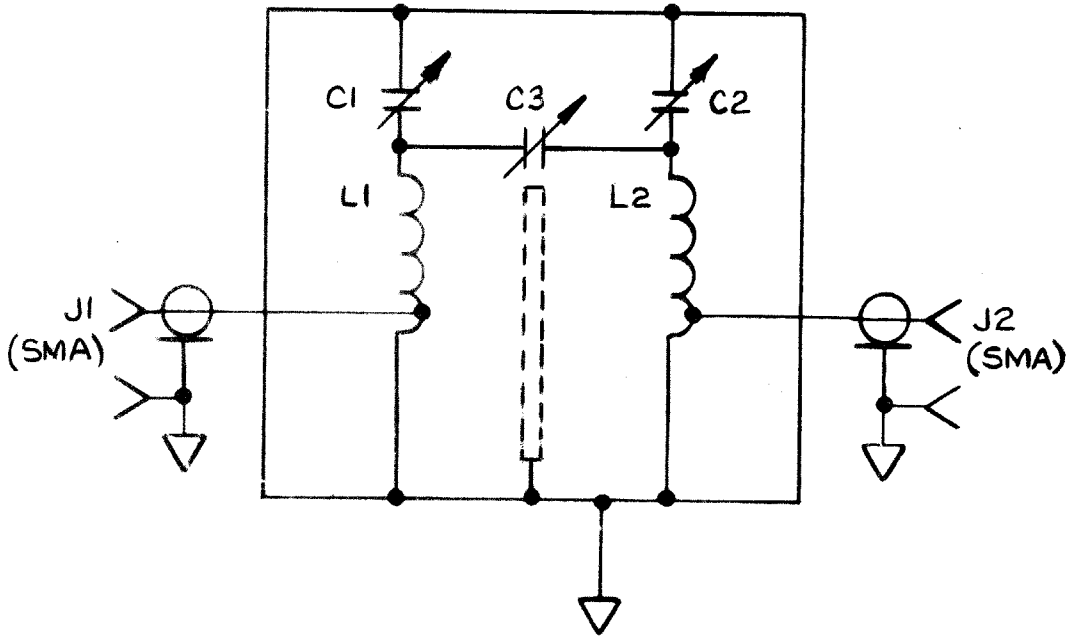
FINISH ------

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

UHF FILTER

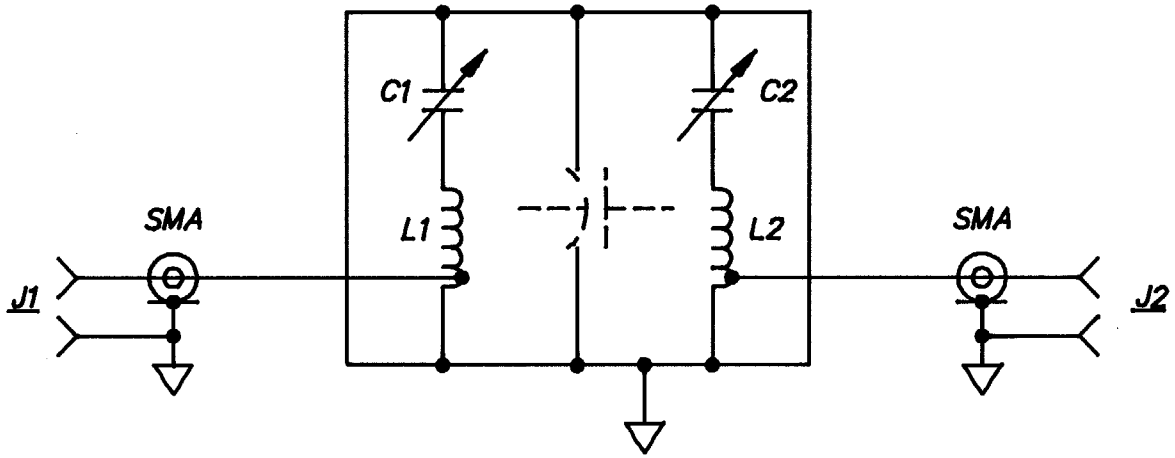
			DWG. NO.	REV
DWN	DD	9/13/83	1007-3101	0
CHK	RWZ	9/13/83		
REL	RWZ	7/20/90	A SCALE ---	SHEET 1 OF 1

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	[illegible]	SCHEMATIC, 2 SECTION UHF LOW BAND CH. FILTER (1034-1202)		
CKD					
REL					

INFORMATION TRANSMISSION SYSTEMS CORP	A	1039-3202	REV P



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

ITS CORPORATION	REV	ECN	DATE	APV

APV	DATE	ECN	REV

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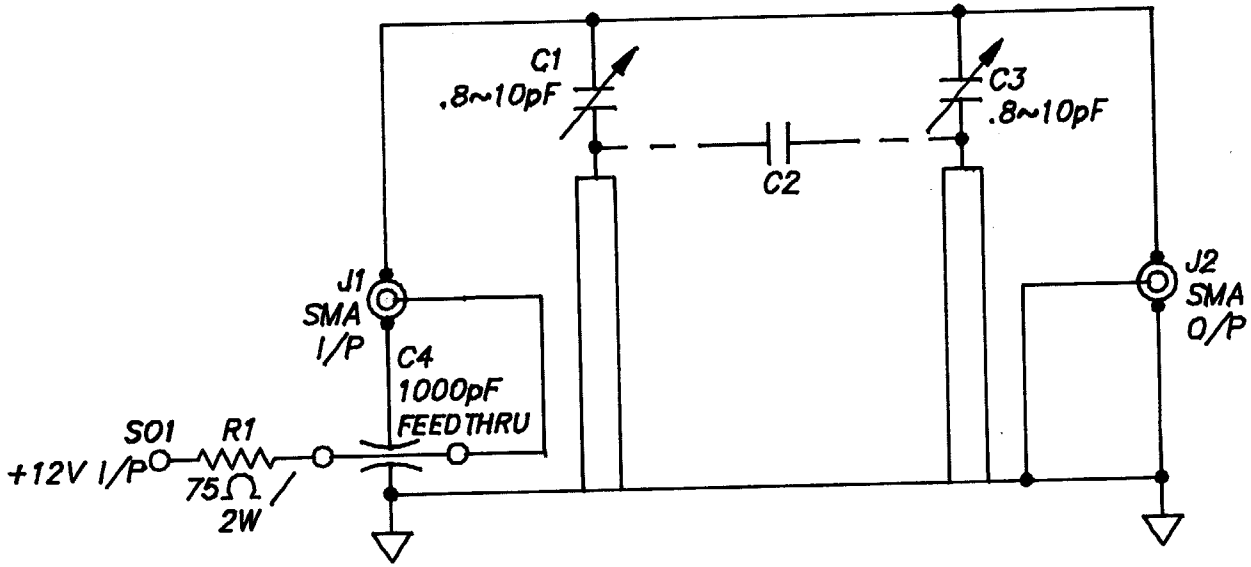
MATERIAL ------

FINISH ------

TITLE SCHEMATIC – VHF L.O. FILTER, 2 SECTION LOW BAND (1034–1211)

			DWG. NO.	REV
DWN	CR	3/17/87	1034–3211	0
CHK	DWB	3/17/87		
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

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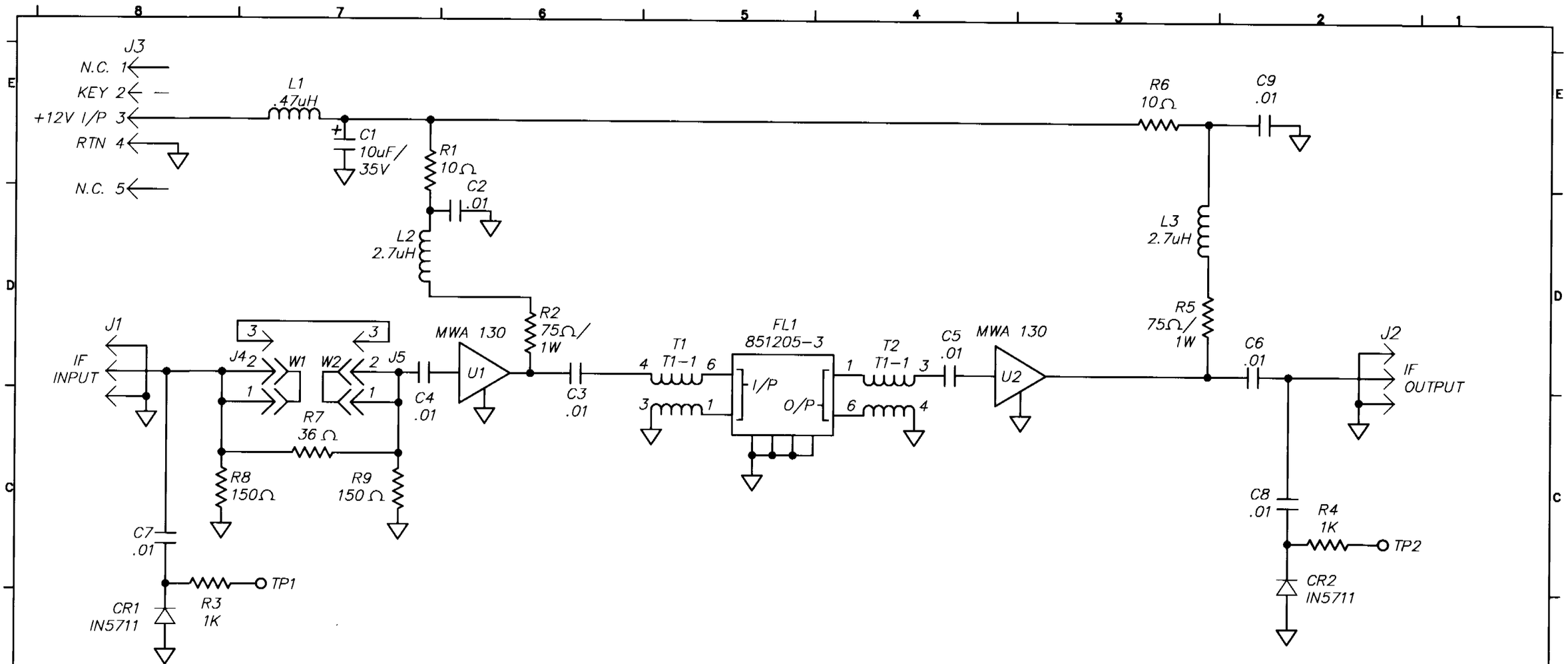
MATERIAL ------

FINISH ------

TITLE SCHEMATIC – UHF FILTER, DC MULTIPLEXED (1035-1204)

			DWG. NO.	REV
DWN	JEO	7/5/89	1035-3204	0
CHK	JCM	7/24/89		
REL	JCM	7/24/89	A SCALE---	SHEET 1 OF 1



CHGD FL1 B0126 TO 851205-3, C1 10uF 25V TO 35V. (PJK)

REV	ECN	DATE	APV
1	7678	12/19/94	DWB

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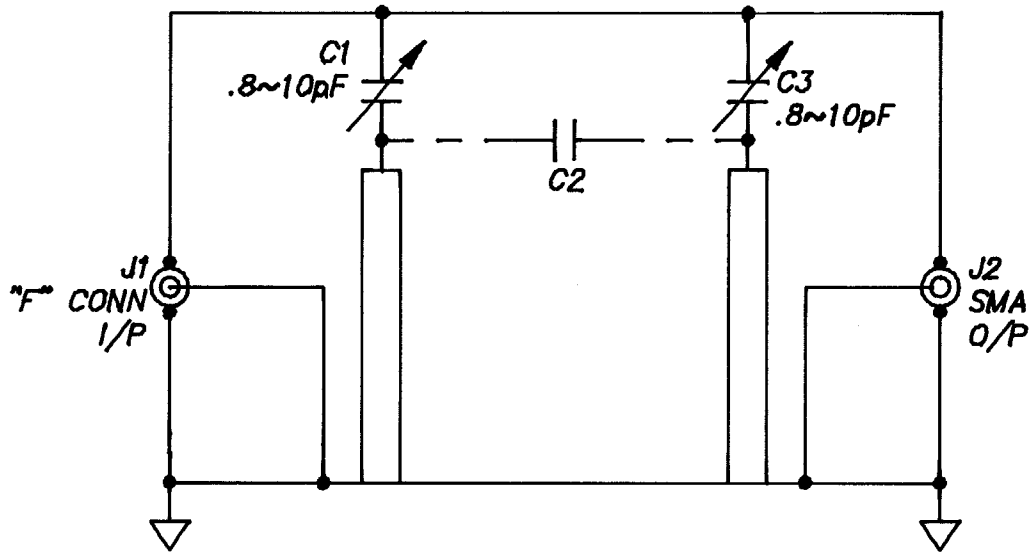
MATERIAL ------

FINISH ------

ITS CORPORATION

TITLE SCHEMATIC – SAW FILTER/AMPLIFIER BD (1035-1211)

			DWG. NO.	REV
DWN	JEO	10/18/89	1035-3211	1
CHK	JCM	10/20/89		
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

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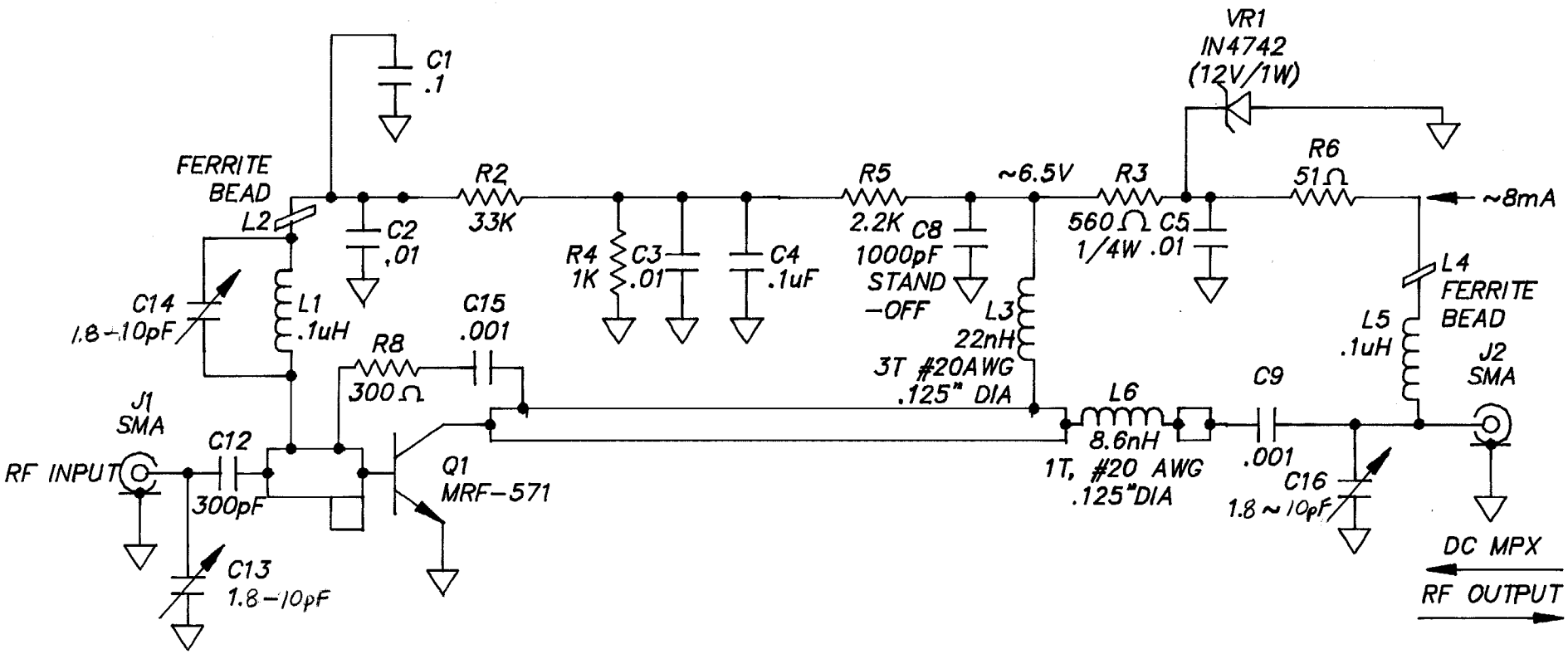
MATERIAL ------

FINISH ------

TITLE: SCHEMATIC – UHF FILTER, 75Ω/50Ω (1035-1302)

			DWG. NO.	REV
DWN	JEO	9/7/89	1035-3302	0
CHK	RE	9/13/89		
REL	RE	9/13/89	A SCALE ---	SHEET 1 OF 1



REV	ECN	DATE	APV
1	7471	3/28/94	RE

C16 WAS 1.5~6pF.
C13 WAS 1.3-6pF, SJM

ITS CORPORATION

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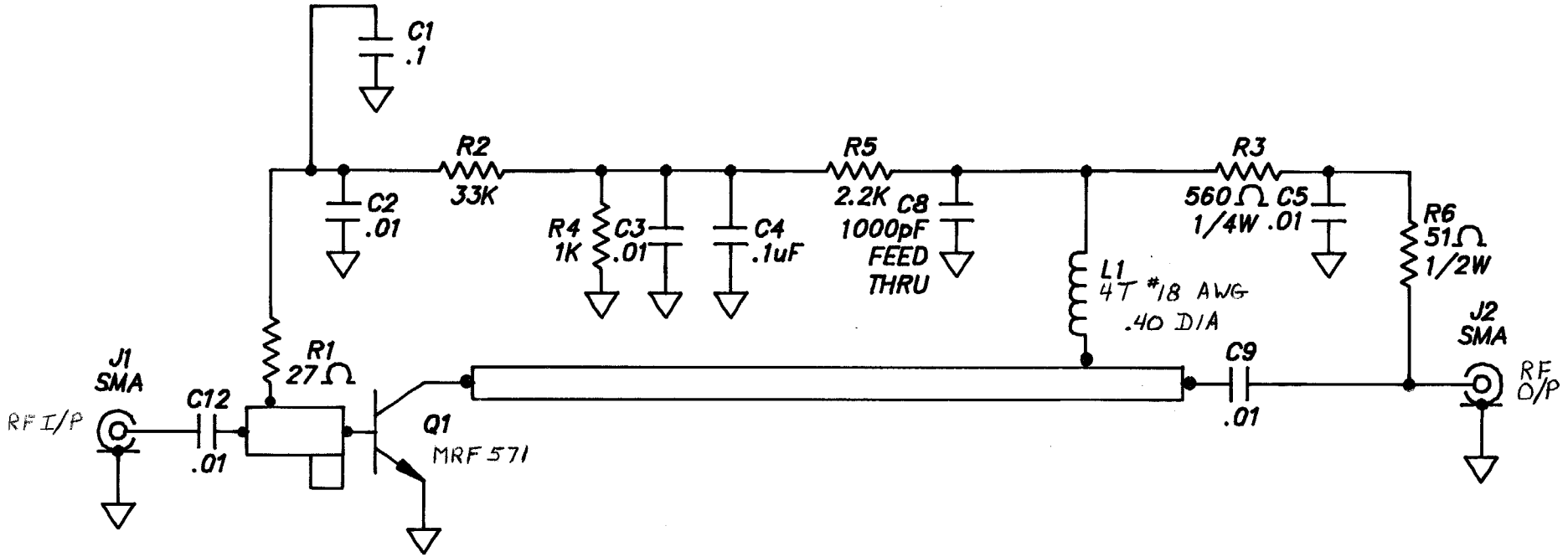
MATERIAL

FINISH

TITLE SCH - LOW NOISE
UHF AMPL. 50Ω I/P, 75Ω O/P
(1035-1303)

			DWG. NO.	REV
DWN	JEO	9/7/89	1035-3303	1
CHK	RE	9/13/89		
REL	RE	9/13/89	A SCALE --	SHEET 1 OF 1



ITS CORPORATION	REV	ECN	DATE	APV

REV	ECN	DATE	APV
0	2885	1-11-91	SJM

MISC LABELING

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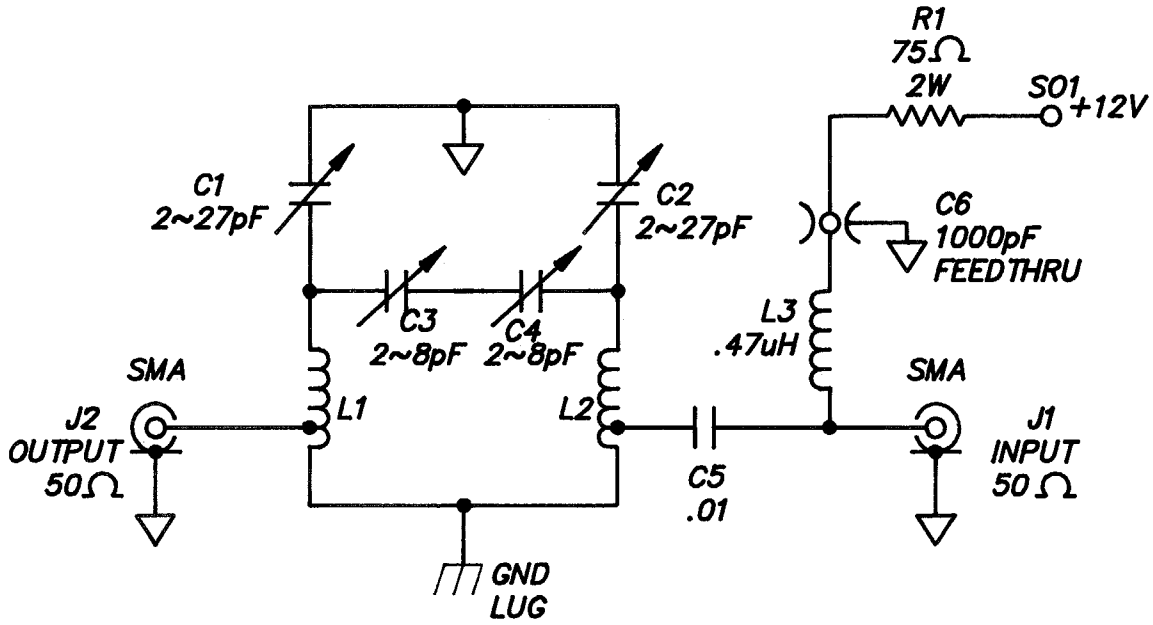
MATERIAL

FINISH

TITLE: SCHEMATIC – LOW NOISE VHF AMPLIFIER (1035-1701)

			DWG. NO.	REV
DWN	JEO	9/17/87	1035-3701	0
CHK	WB	9/24/87		
REL	jcm	1-11-91	A SCALE --	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

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

ITS CORPORATION

MATERIAL ----

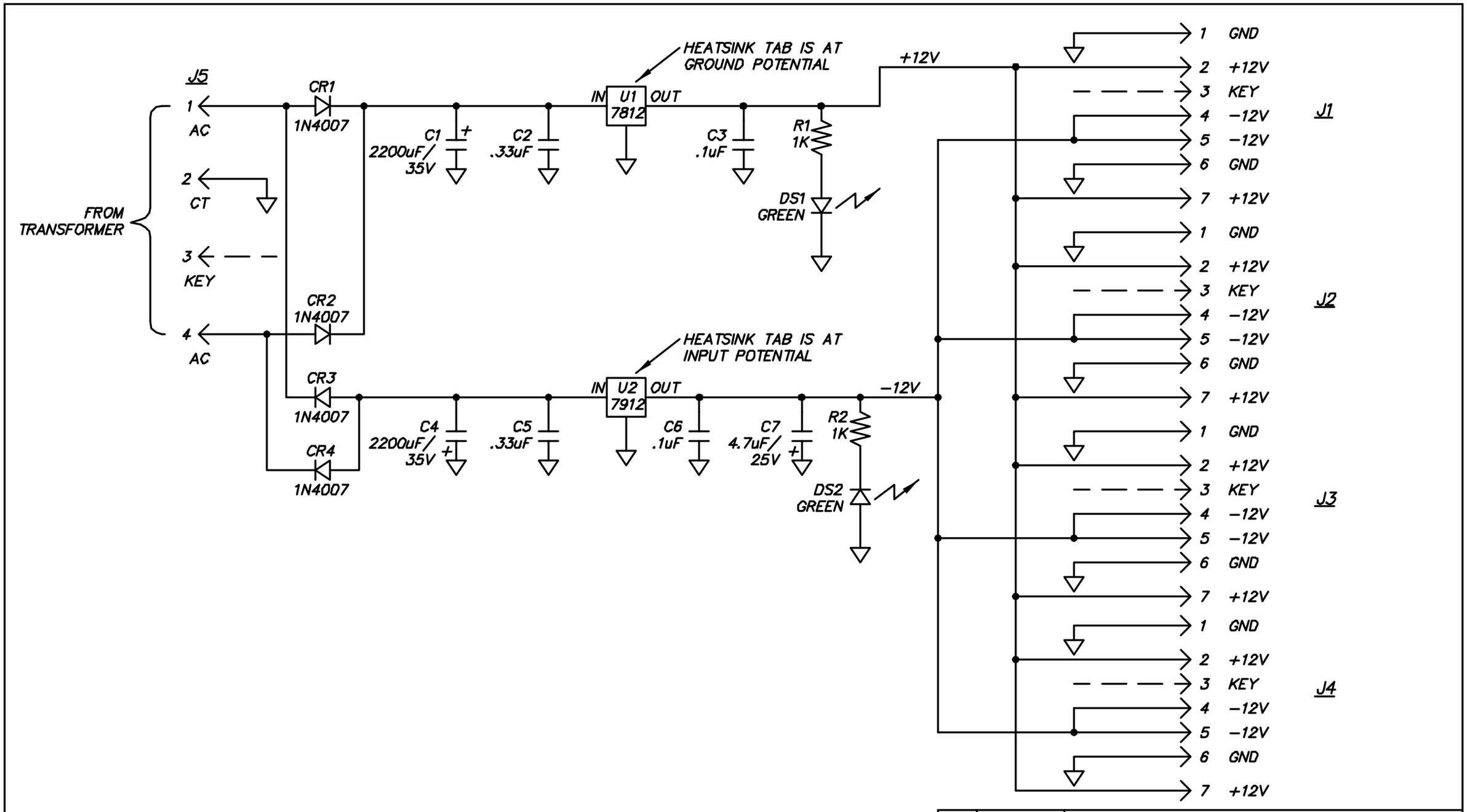
FINISH ----

TITLE SCHEMATIC – VHF FILTER, DC MPLX, 50 OHM (1035-1601)

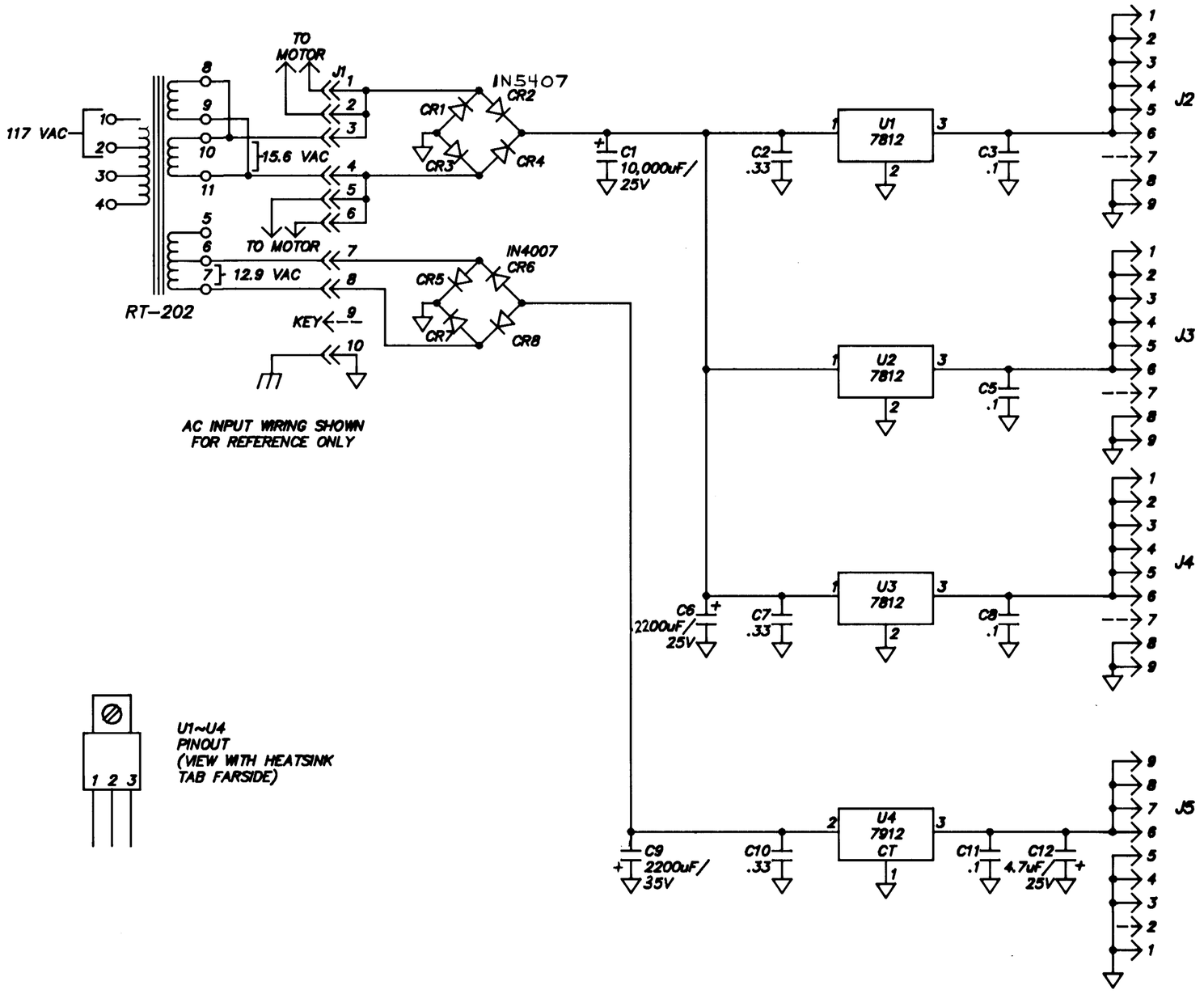
DWN	JEO	7/5/89	DWG. NO. 1035-3601	REV 1
CHK	JCM	8/1/89		
REL	JCM	8/1/89	A SCALE --	SHEET 1 OF 1

APV | DATE | ECN | REV

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



U1~U4
PINOUT
(VIEW WITH HEATSINK
TAB FARSIDE)

CHANGED POLARITY OF C9 TO NO. JEO
1 | 2481 | 1-23-90 | RE
C6 WAS 3300uF. JEO
0 | 2383 | 11-22-89 | WB

REV	ECN	DATE	APV

ITS CORPORATION

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MATERIAL

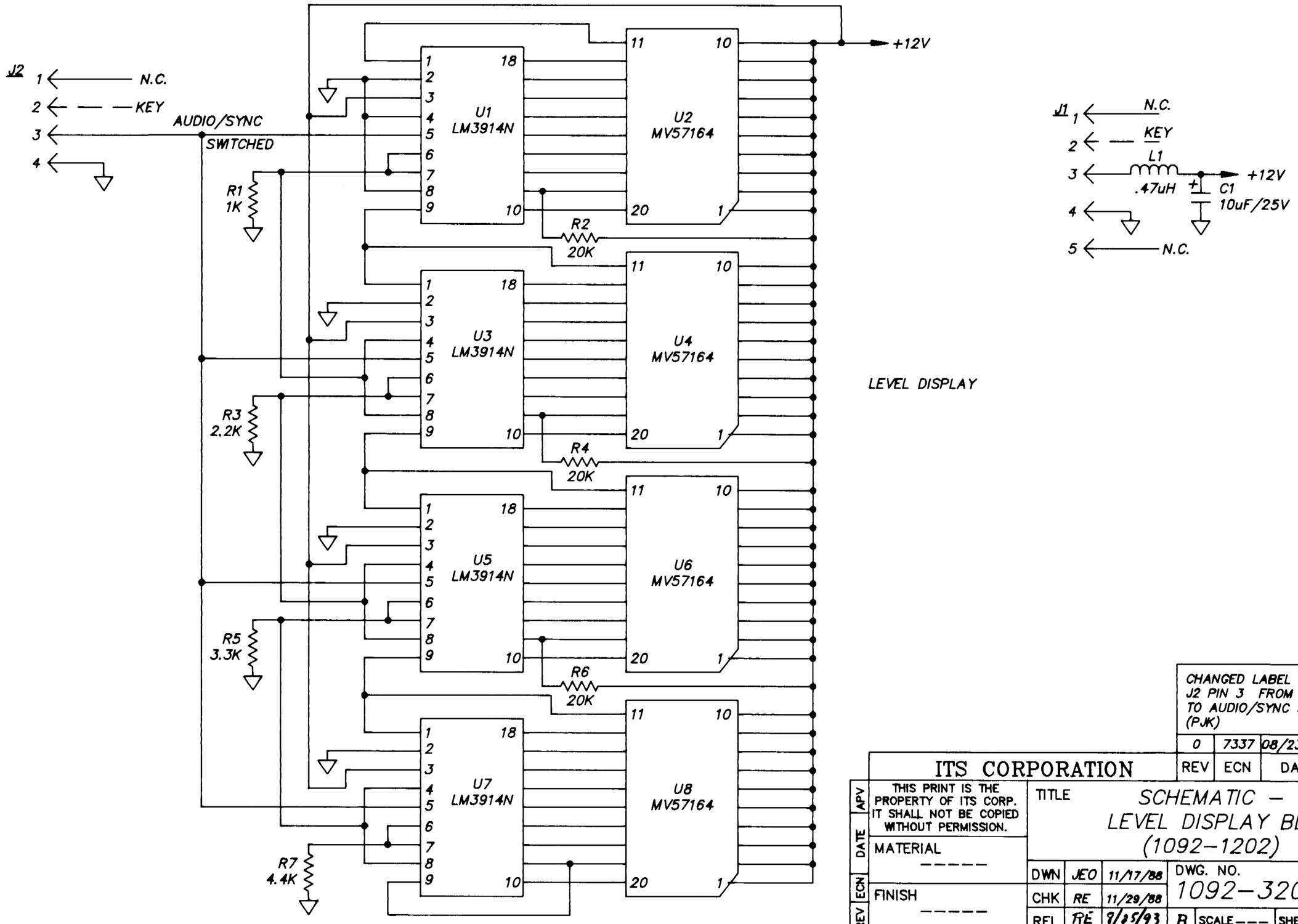
FINISH

TITLE +12V(3A)/-12V POWER SUPPLY BOARD (1092-1206)

			DWG. NO.	REV
DWN	JEO	12/17/87	1092-3206	1
CHK	RE	4/15/88		
REL	WB	11-22-89	C	SHEET 1 OF 1

SCALE ---

DO NOT REVISE



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

REV	ECN	DATE	APV
0	7337	08/23/93	TPE

ITS CORPORATION

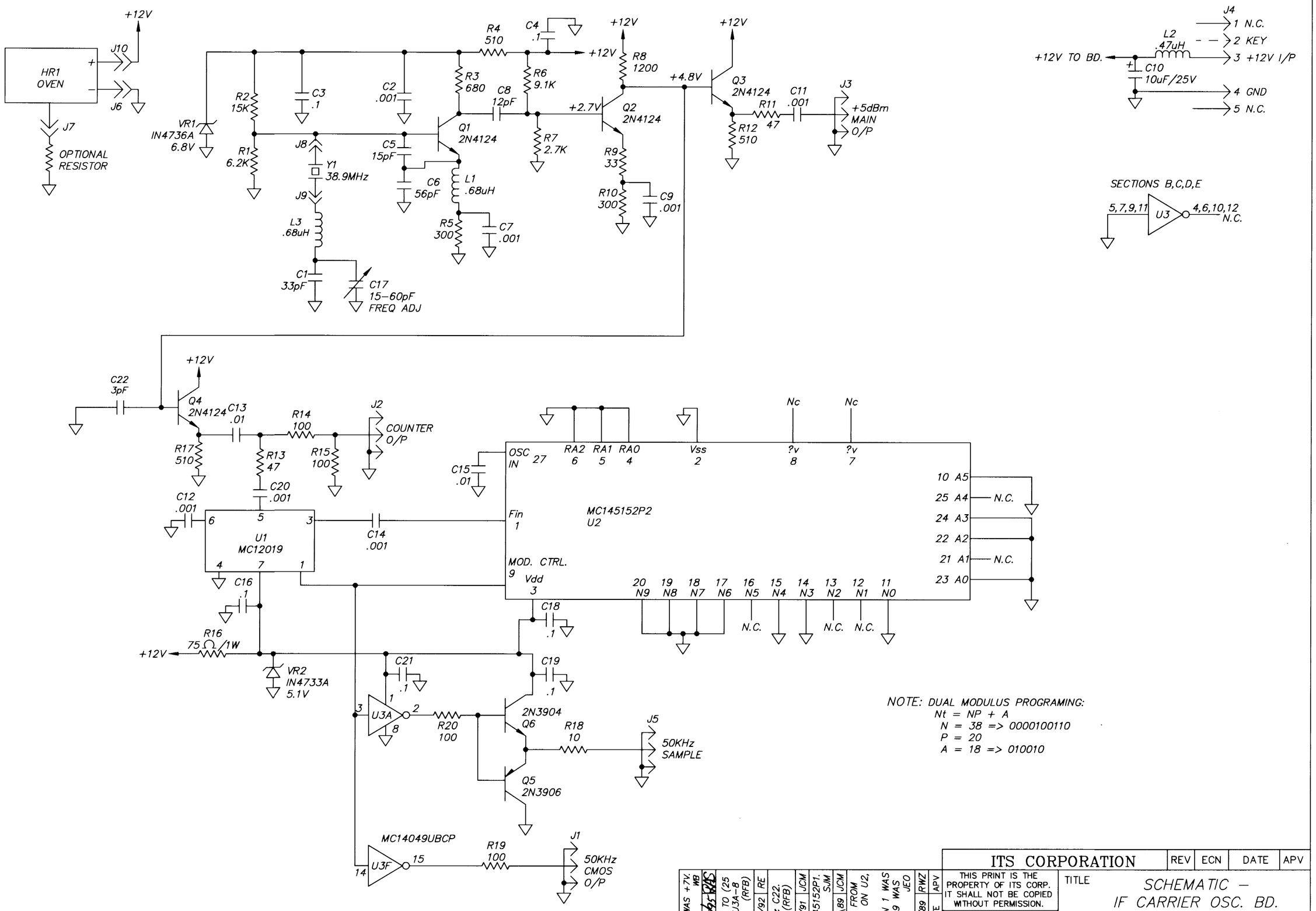
MATERIAL ------

FINISH ------

TITLE SCHEMATIC – LEVEL DISPLAY BD. (1092-1202)

			DWG. NO.	REV
DWN	JEO	11/17/88	1092-3202	0
CHK	RE	11/29/88		
REL	TPE	9/25/93	B SCALE ---	SHEET 1 OF 1

DO NOT REVISE



NOTE: DUAL MODULUS PROGRAMING:
Nt = NP + A
N = 38 => 0000100110
P = 20
A = 18 => 010010

REV	ECN	DATE	APV	DESCRIPTION
4	4392	9/28/95	RWZ	+4.8V AT Q3 WAS +7V. WB
3	7172	11/11/92	RE	ADDED N.C. TO (25 A4) AND AT U3A-8 WAS U3A-4. (RFB)
2	3139	6/6/91	JCM	ADDED L3, & C22. (RFB)
1	2082	7/24/89	JCM	U2 WAS MC145152P1. SJM
0	---	3/8/89	RWZ	REMOVED A'S FROM PIN NUMBERS ON U2, ADDED ? TO PINS 7&8, PIN 1 WAS FIN AND PIN 9 WAS MOD. JEO

ITS CORPORATION

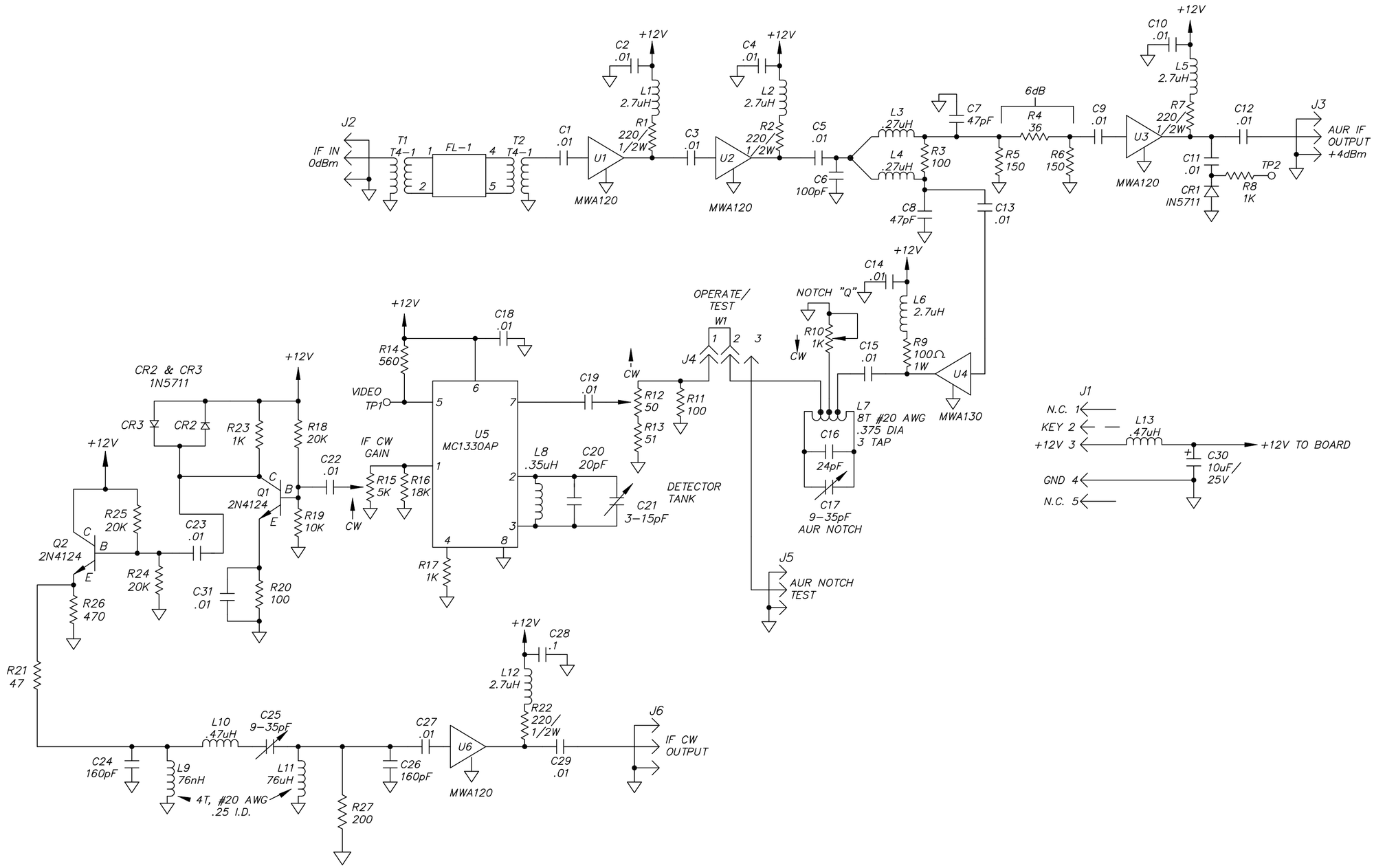
MATERIAL ------

FINISH ------

TITLE: SCHEMATIC – IF CARRIER OSC. BD. 38.9MHz (1100-1206)

DWN	JEO	11/3/88	DWG. NO. 1100-3206 REV 4
CHK	JCM	11/10/88	
REL	RWZ	3/10/89	C SCALE --- SHEET 1 OF 1

DO NOT REVISE



REV	DATE	ECN	DESCRIPTION
4	5/3/95	7790	CHANGED C17 & C25 FROM 9-35 TO 9-35pF (MM) ADDED R27.
3	9/1/92	7136	MADE EXTENSIVE CHANGES. (RFB)
2	6/7/91	3139	C21 WAS 3-15pF. (RFB)
1	11/15/89	2263	C7 WAS .47pF, W1 WAS P1, C28 WAS .01, ADDED uH TO L10. SJM

REV	ECN	DATE	APV
4	7790	5/3/95	RE
3	7136	9/1/92	DWB
2	3139	6/7/91	JCM
1	2263	11/15/89	JCM

ITS CORPORATION

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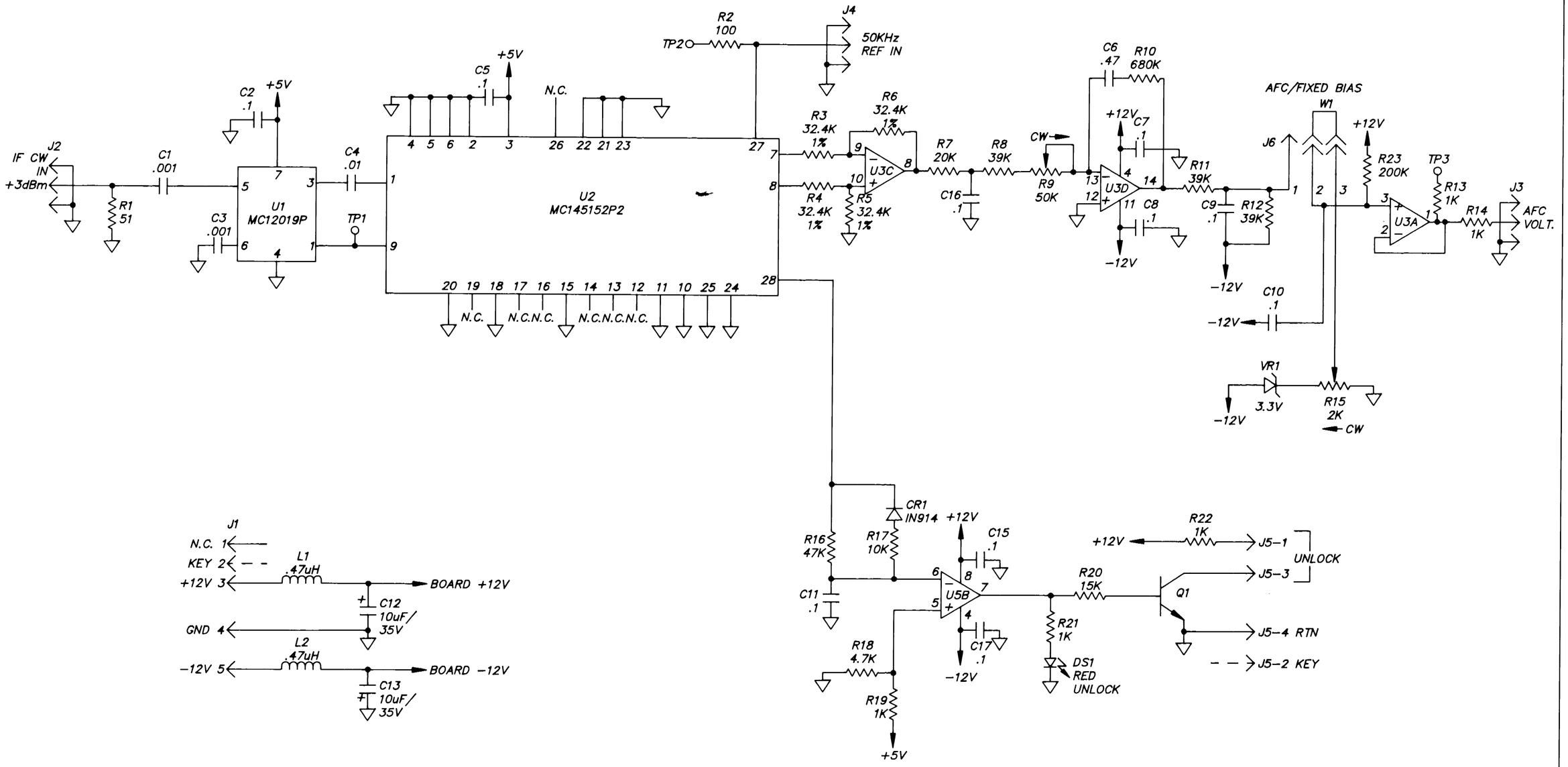
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC- IF FILTER/LIMITER BD. (1109-1001)

DWN	JEO	3/10/89	DWG. NO. 1109-3001 REV 4
CHK	DWB	3/10/89	
REL	DWB	3/10/89	C SCALE --- SHEET 1 OF 1



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

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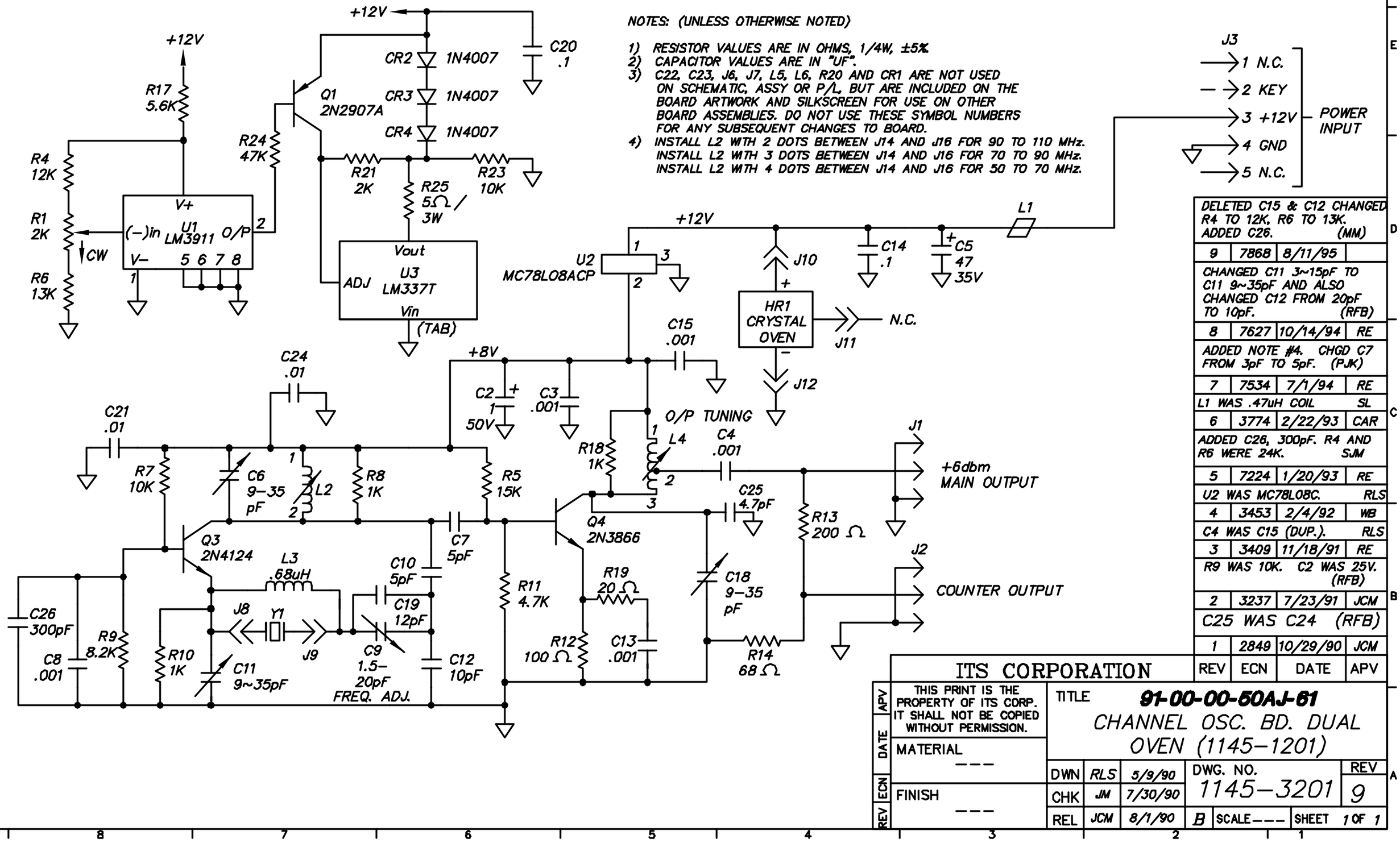
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC - IF PLL BOARD (1109-1002)

DWN	JEO	6/26/89	DWG. NO. 1109-3002 REV 3
CHK	DWB	6/29/89	
REL	DWB	6/29/89	C SCALE --- SHEET 1 OF 1



REV	ECN	DATE	APV
	DELETED C15 & C12 CHANGED R4 TO 12K, R6 TO 13K. ADDED C26. (MM)		
9	7868	8/11/95	
	CHANGED C11 3~15pF TO C11 9~35pF AND ALSO CHANGED C12 FROM 20pF TO 10pF. (RFB)		
8	7627	10/14/94	RE
	ADDED NOTE #4. CHGD C7 FROM 3pF TO 5pF. (PJK)		
7	7534	7/1/94	RE
	L1 WAS .47uH COIL		SL
6	3774	2/22/93	CAR
	ADDED C26, 300pF. R4 AND R6 WERE 24K.		SJM
5	7224	1/20/93	RE
	U2 WAS MC78L08C.		RLS
4	3453	2/4/92	WB
	C4 WAS C15 (DUP.).		RLS
3	3409	11/18/91	RE
	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

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MATERIAL ---

FINISH ---

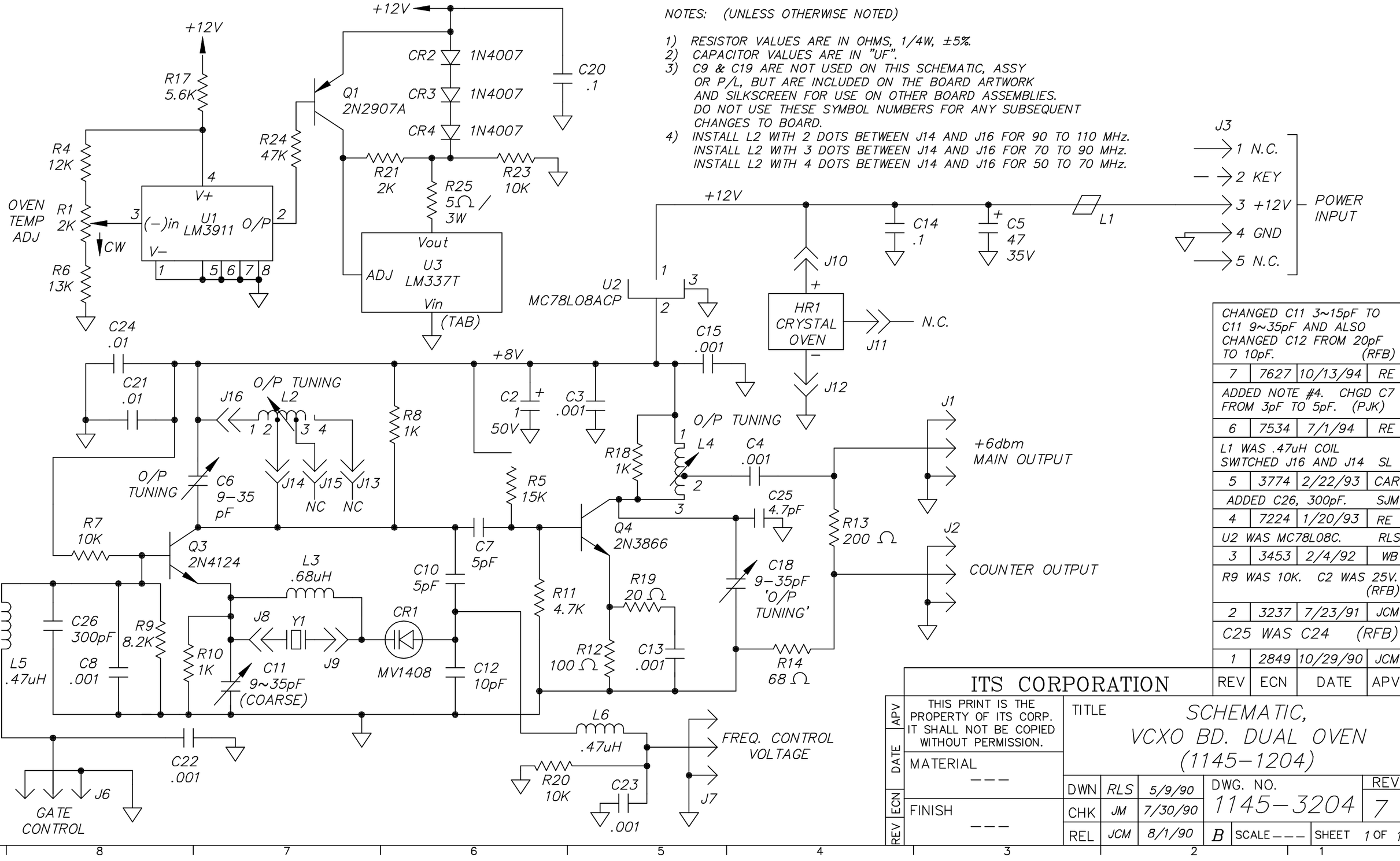
APV DATE ECN REV

TITLE **91-00-00-50AJ-61**
CHANNEL OSC. BD. DUAL OVEN (1145–1201)

DWN	RLS	5/9/90	
CHK	JM	7/30/90	
REL	JCM	8/1/90	

DWG. NO. 1145–3201 REV 9

B SCALE--- SHEET 1 OF 1



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

REV	ECN	DATE	APV
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

MATERIAL ---

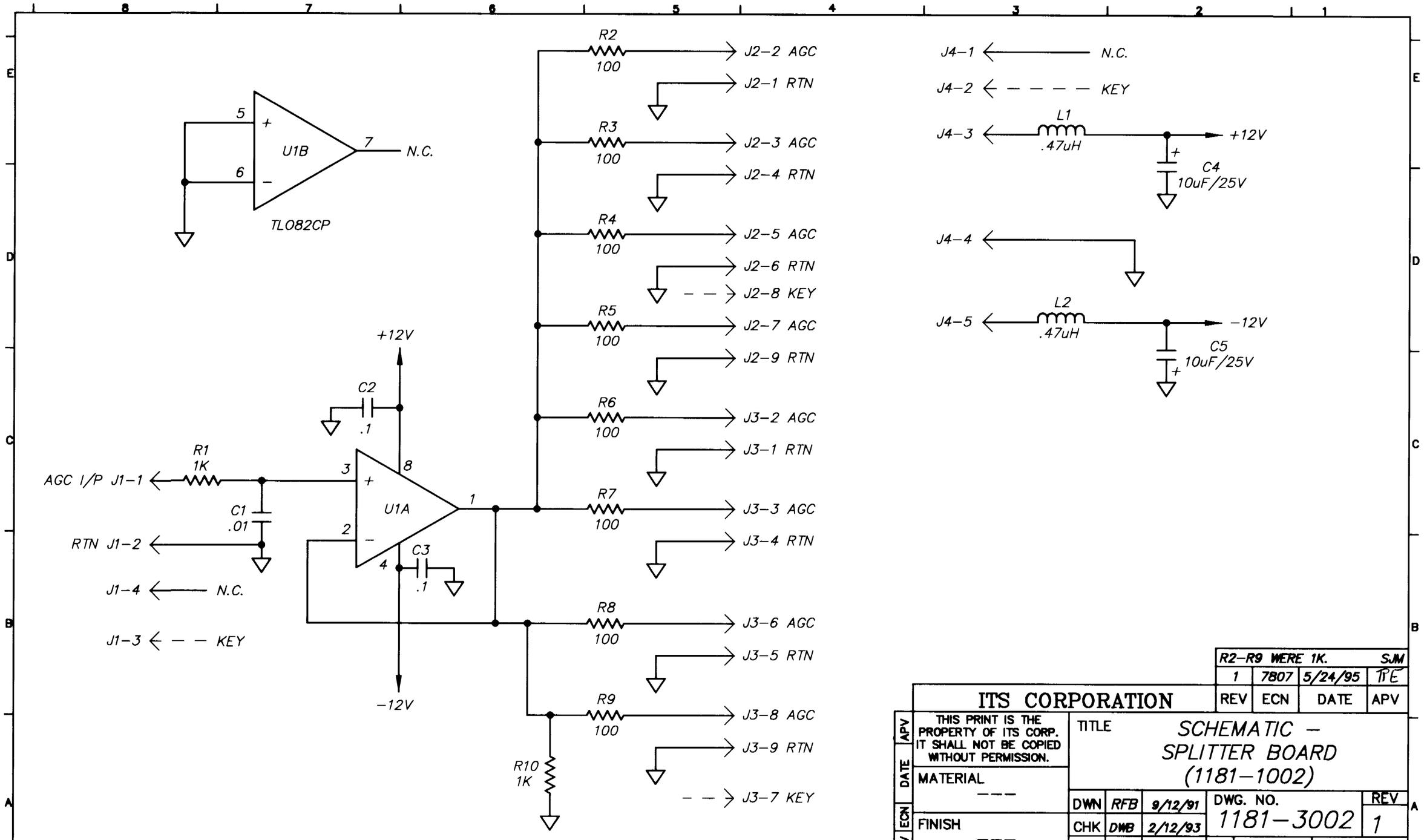
FINISH ---

TITLE SCHEMATIC, VCXO BD. DUAL OVEN (1145−1204)

DWN	RLS	5/9/90
CHK	JM	7/30/90
REL	JCM	8/1/90

DWG. NO. 1145−3204 REV 7

B SCALE --- SHEET 1 OF 1



R2–R9 WERE 1K.			SJM
1	7807	5/24/95	TE
REV	ECN	DATE	APV

ITS CORPORATION

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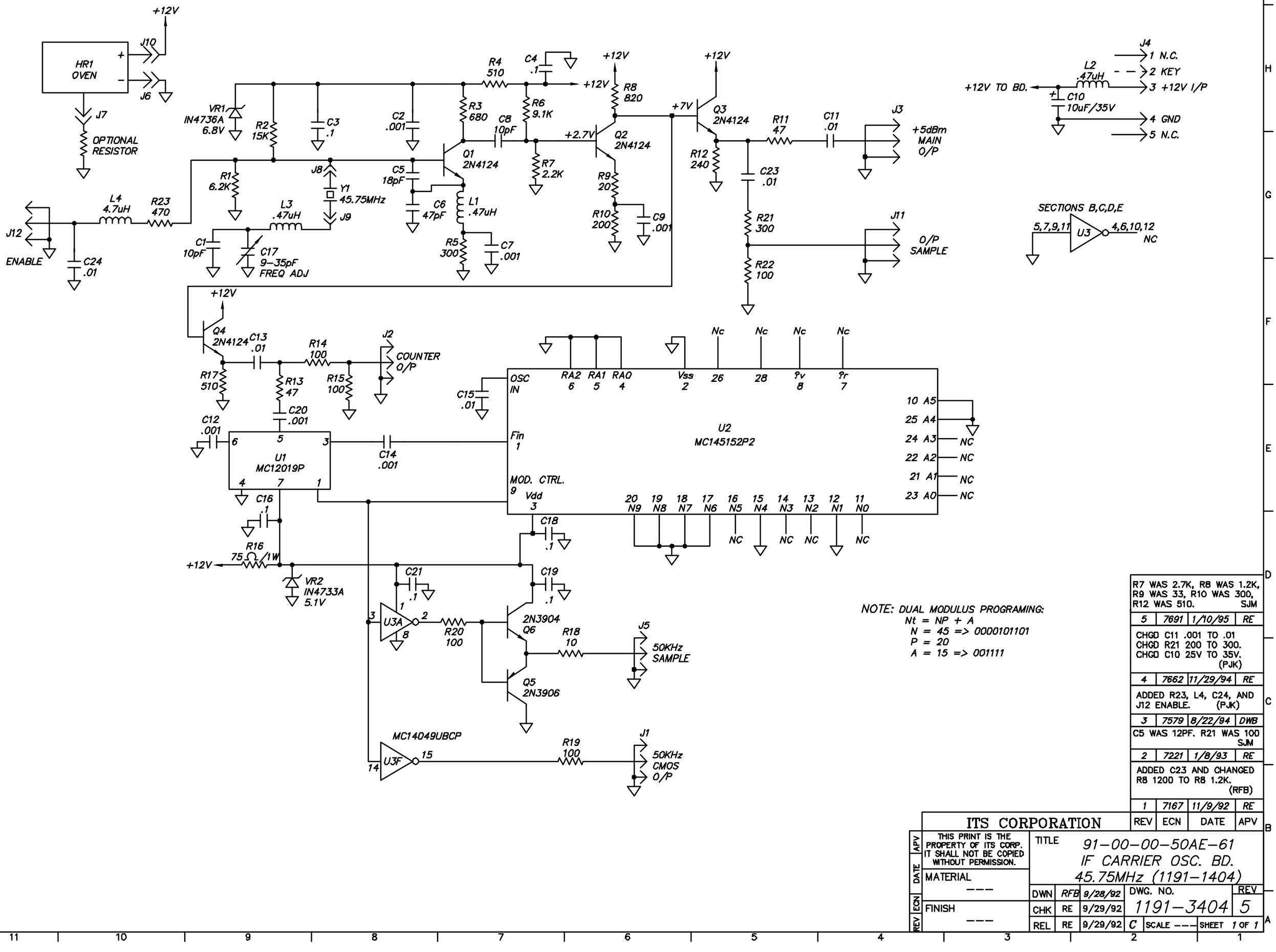
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC – SPLITTER BOARD (1181–1002)

			DWG. NO.	REV
DWN	RFB	9/12/91	1181–3002	1
CHK	DWB	2/12/93		
REL	DWB	2/12/93	B	SCALE --- SHEET 1 OF 1

APV | DATE | ECN | REV



REV	ECN	DATE	APV
		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

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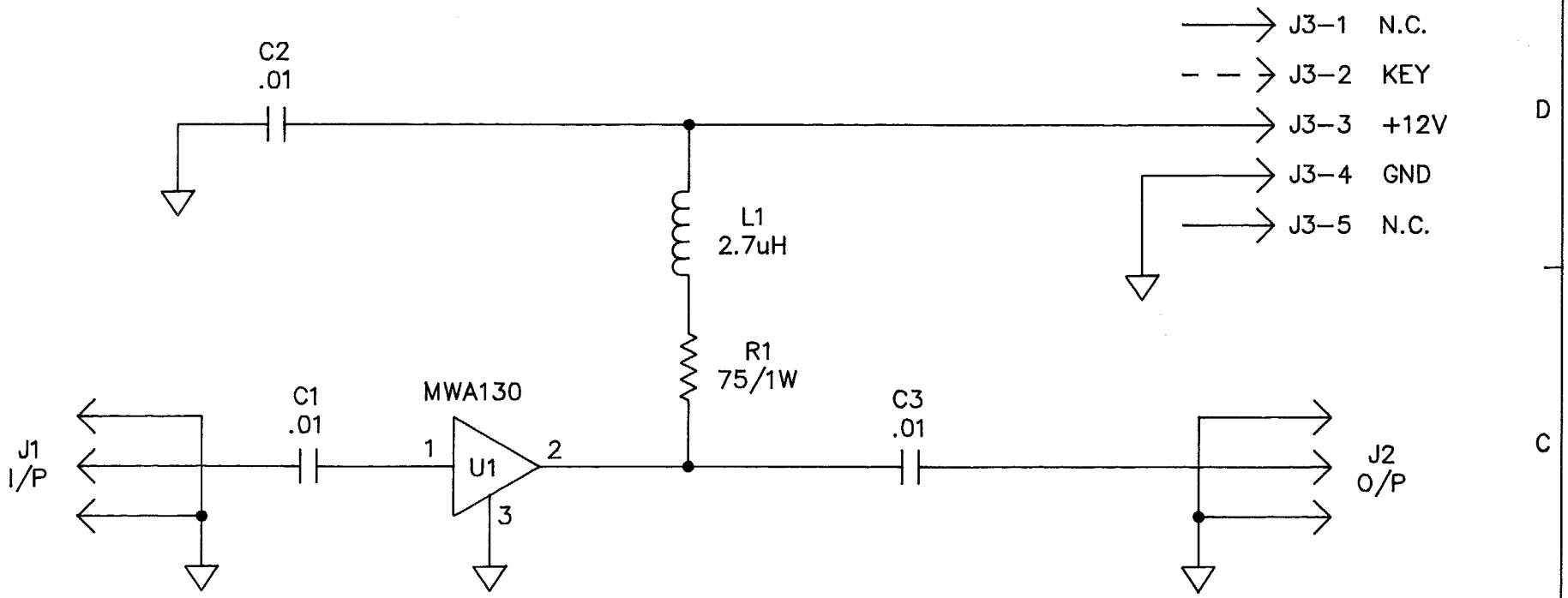
MATERIAL ---

FINISH ---

TITLE 91-00-00-50AE-61
IF CARRIER OSC. BD.
45.75MHz (1191-1404)

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



ITS CORPORATION	REV	ECN	DATE	APV

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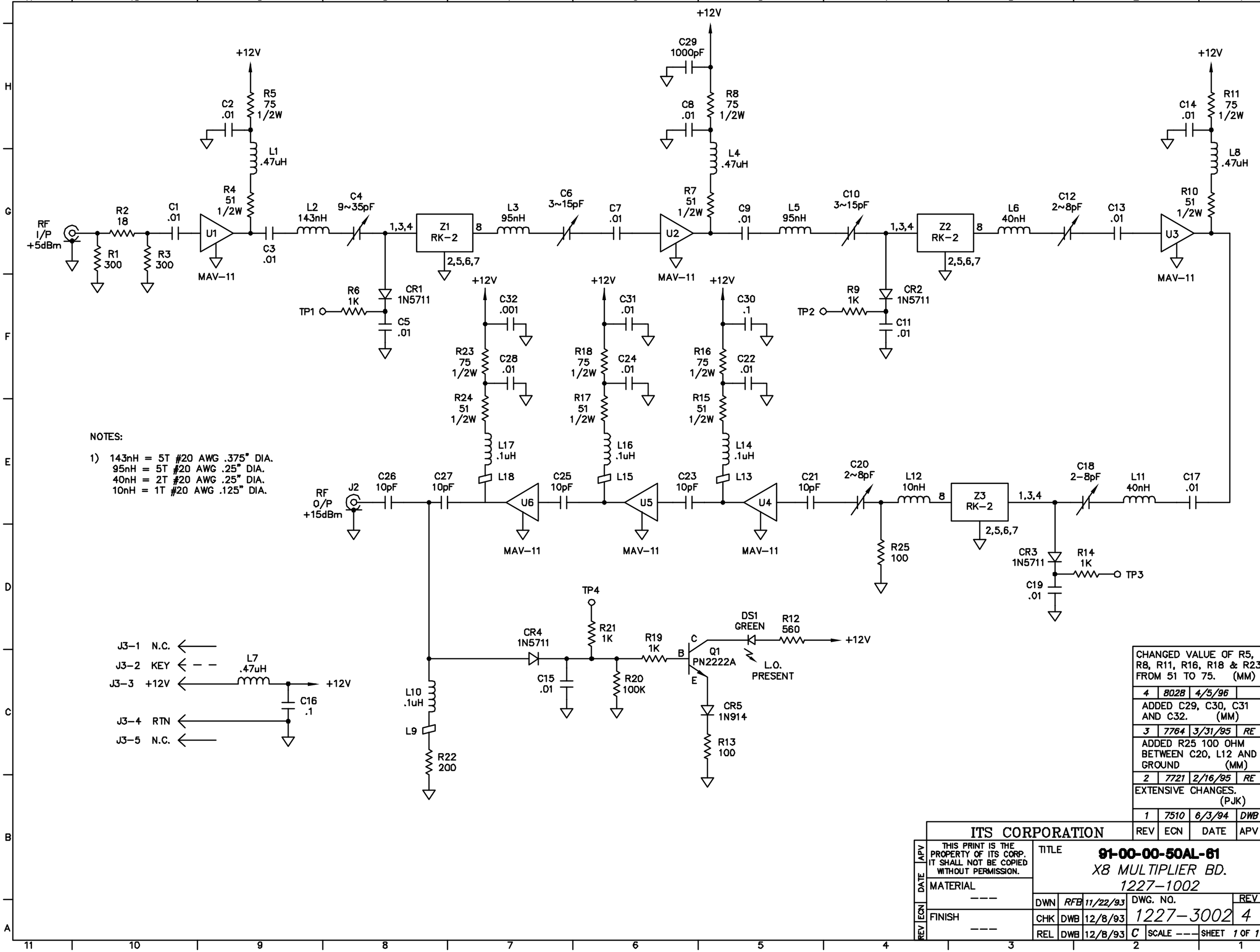
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC – IF AMPLIFIER BD. HIGH GAIN (1197–1126)

DWN	RFB	10/5/93	DWG. NO. 1197–3126	REV 0
CHK	DWB	10-7-93		
REL	DWB	10-7-93	A SCALE ---	SHEET 1 OF 1



NOTES:

1) 143nH = 5T #20 AWG .375" DIA.
   95nH = 5T #20 AWG .25" DIA.
   40nH = 2T #20 AWG .25" DIA.
   10nH = 1T #20 AWG .125" DIA.

REV	ECN	DATE	APV
4	8028	4/5/96	
CHANGED VALUE OF R5, R8, R11, R16, R18 & R23 FROM 51 TO 75. (MM)			
3	7764	3/31/95	RE
ADDED C29, C30, C31 AND C32. (MM)			
2	7721	2/16/95	RE
ADDED R25 100 OHM BETWEEN C20, L12 AND GROUND (MM)			
1	7510	6/3/94	DWB
EXTENSIVE CHANGES. (PJK)			

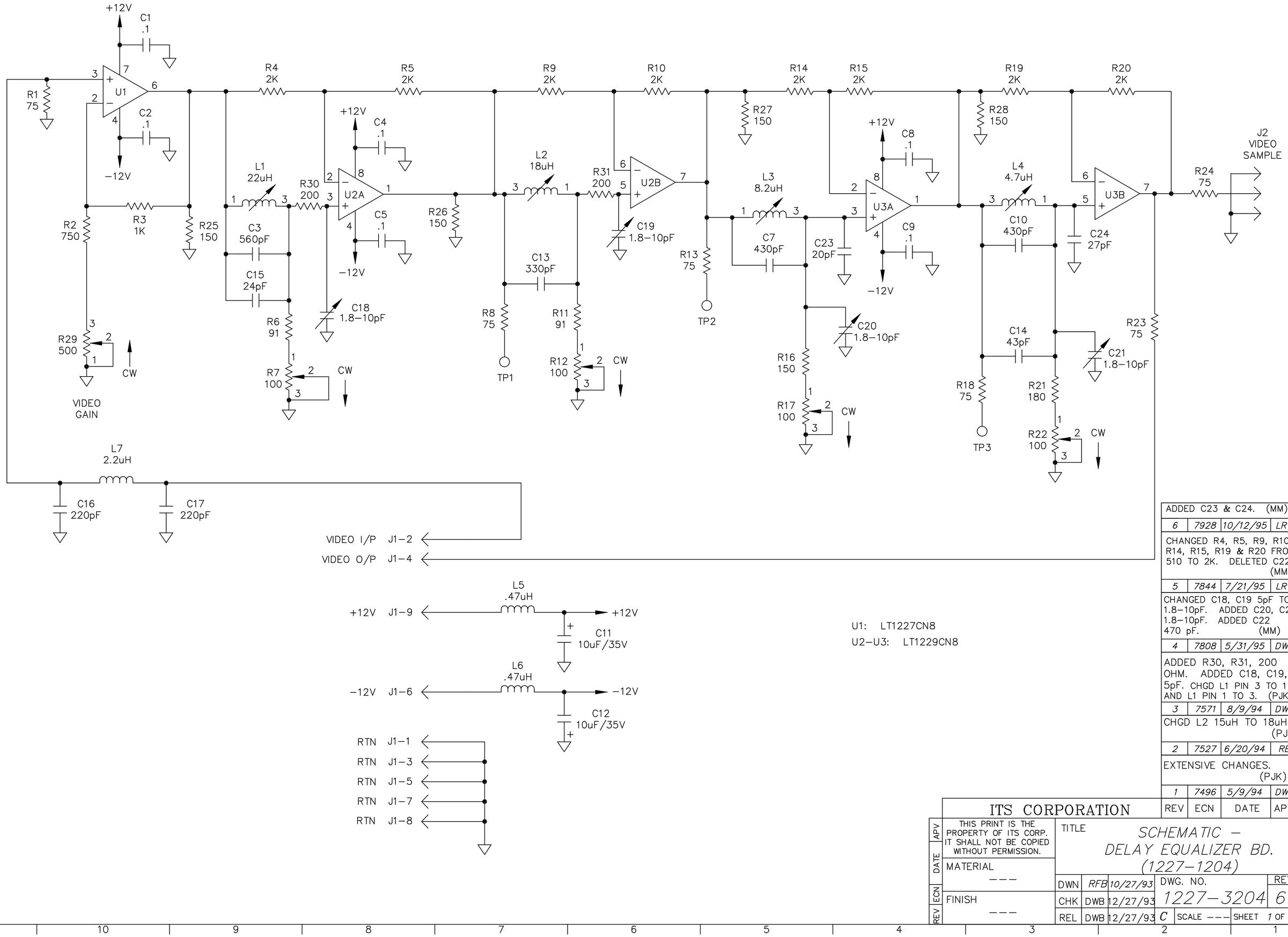
ITS CORPORATION

MATERIAL ---

FINISH ---

TITLE **91-00-00-50AL-61**
X8 MULTIPLIER BD.
1227-1002

DWN	RFB	11/22/93	DWG. NO. 1227-3002	REV 4
CHK	DWB	12/8/93		
REL	DWB	12/8/93	C SCALE ---	SHEET 1 OF 1



U1: LT1227CN8

U2–U3: LT1229CN8

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

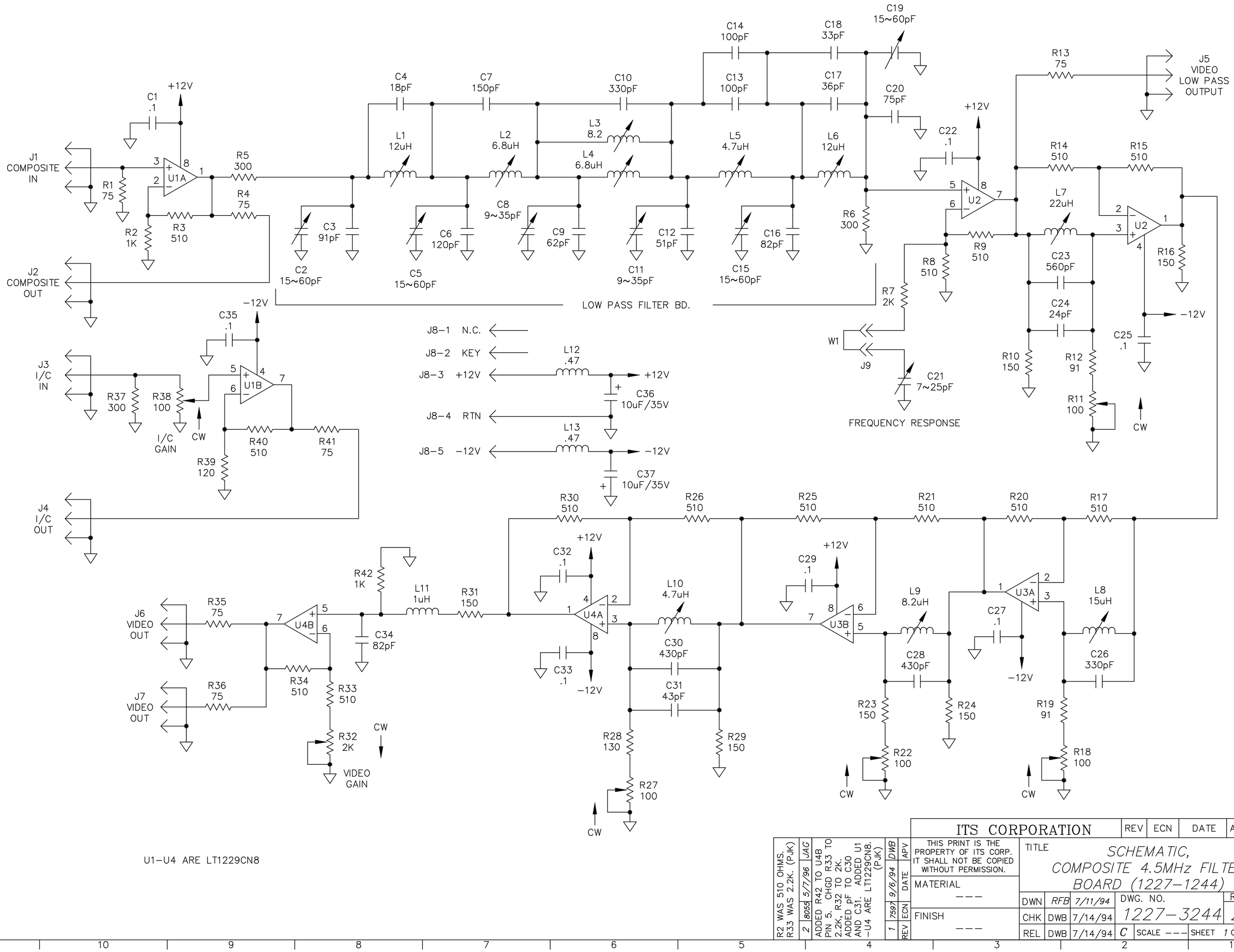
ITS CORPORATION

MATERIAL ---

FINISH ---

TITLE: SCHEMATIC – DELAY EQUALIZER BD. (1227–1204)

DWN	RFB	10/27/93	DWG. NO. 1227–3204 REV 6
CHK	DWB	12/27/93	
REL	DWB	12/27/93	C SCALE --- SHEET 1 OF 1



U1–U4 ARE LT1229CN8

REV	DATE	ECN	DESCRIPTION
2	5/7/96	8055	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	9/6/94	7597	R2 WAS 510 OHMS. R33 WAS 2.2K. (PJK)

DWB APV JAG

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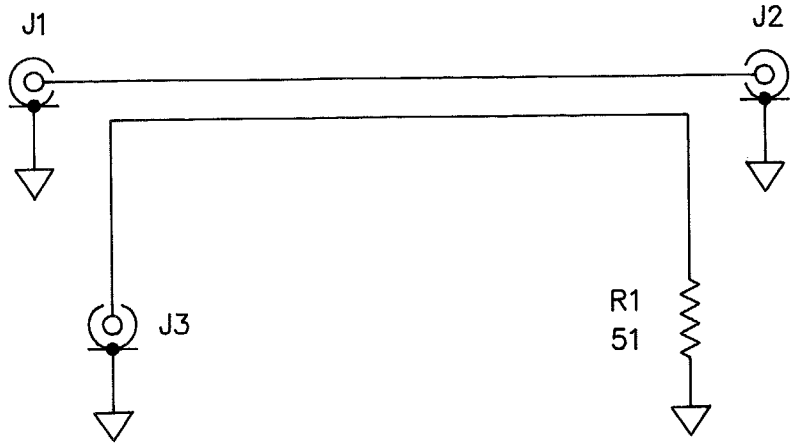
MATERIAL ---

FINISH ---

ITS CORPORATION

TITLE: SCHEMATIC, COMPOSITE 4.5MHz FILTER BOARD (1227–1244)

			DWG. NO.	REV
DWN	RFB	7/11/94	1227–3244	2
CHK	DWB	7/14/94		
REL	DWB	7/14/94	C	SCALE --- SHEET 1 OF 1



ITS CORPORATION	REV	ECN	DATE	APV
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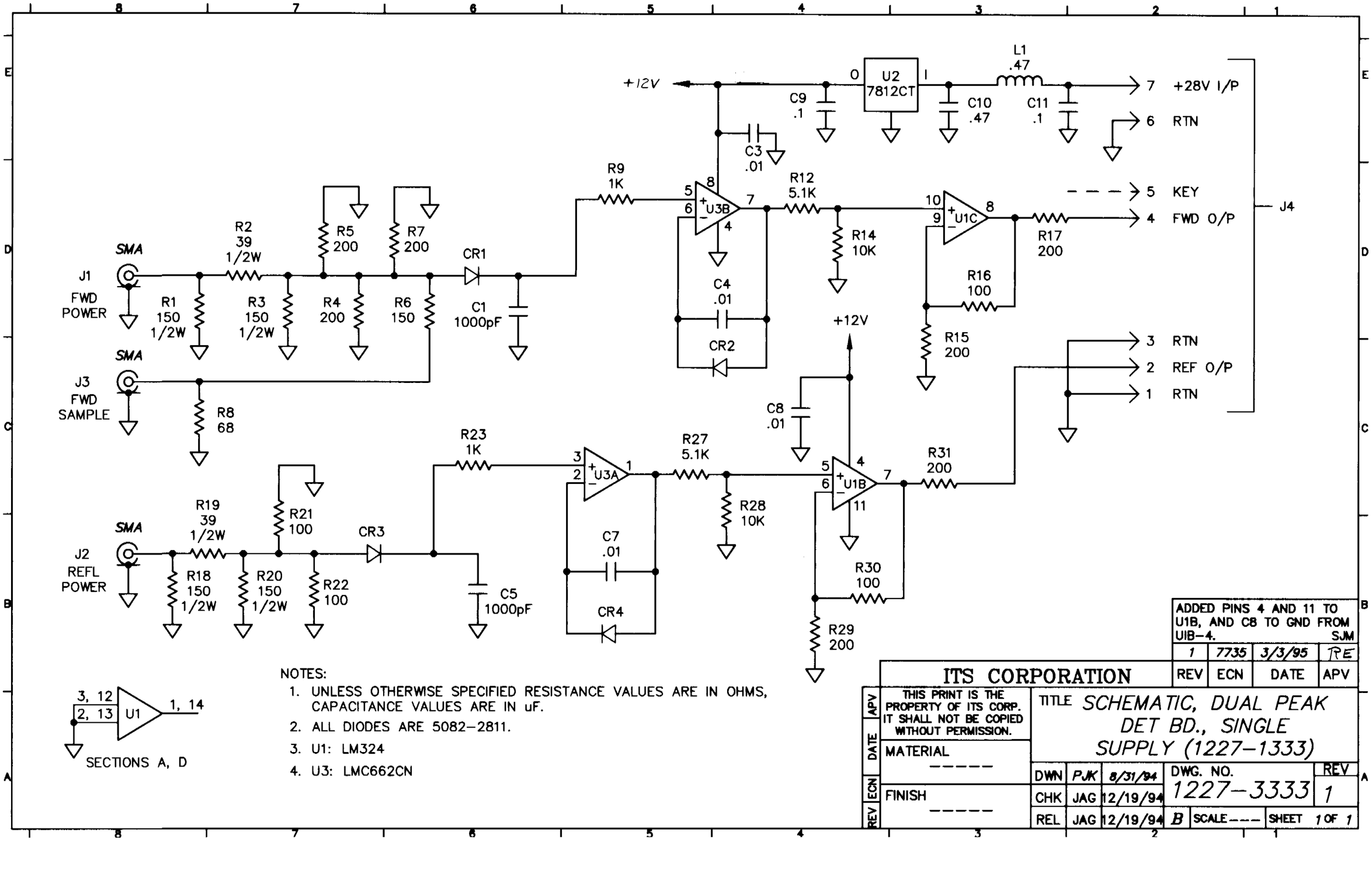
MATERIAL -------				
FINISH -------				

TITLE: SCH, UHF COUPLER ASSEMBLY (1227-1316)

			DWG. NO.	REV
DWN	SJM	2/16/94	1227-3316	0
CHK	DWB	4-11-94		
REL	DWB	4-11-94		

A | SCALE --- | SHEET 1 OF 1



NOTES:

1. UNLESS OTHERWISE SPECIFIED RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN uF.
2. ALL DIODES ARE 5082–2811.
3. U1: LM324
4. U3: LMC662CN

REV	ECN	DATE	APV
1	7735	3/3/95	RE

ADDED PINS 4 AND 11 TO U1B, AND C8 TO GND FROM UIB–4. SJM

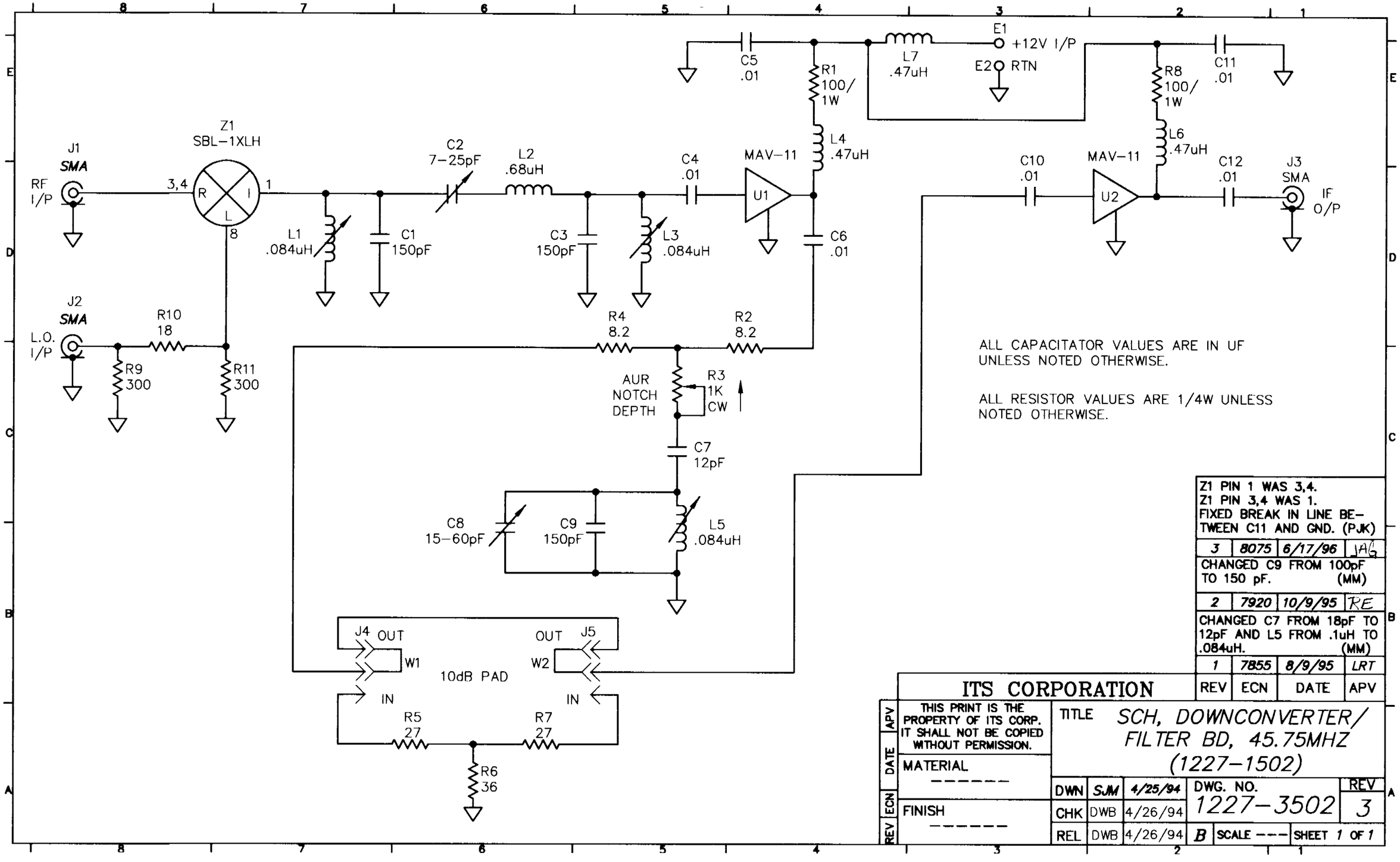
ITS CORPORATION

MATERIAL ———

FINISH ———

TITLE SCHEMATIC, DUAL PEAK DET BD., SINGLE SUPPLY (1227–1333)

DWN	PJK	8/31/94	DWG. NO. 1227–3333 REV 1
CHK	JAG	12/19/94	
REL	JAG	12/19/94	B SCALE ——— SHEET 1 OF 1



ALL CAPACITATOR VALUES ARE IN UF UNLESS NOTED OTHERWISE.

ALL RESISTOR VALUES ARE 1/4W UNLESS NOTED OTHERWISE.

REV	ECN	DATE	APV
3	8075	6/17/96	JAG
	Z1 PIN 1 WAS 3,4. Z1 PIN 3,4 WAS 1. FIXED BREAK IN LINE BE-TWEEN C11 AND GND. (PJK)		
2	7920	10/9/95	RE
	CHANGED C9 FROM 100pF TO 150 pF. (MM)		
1	7855	8/9/95	LRT
	CHANGED C7 FROM 18pF TO 12pF AND L5 FROM .1uH TO .084uH. (MM)		

ITS CORPORATION

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MATERIAL ------

FINISH ------

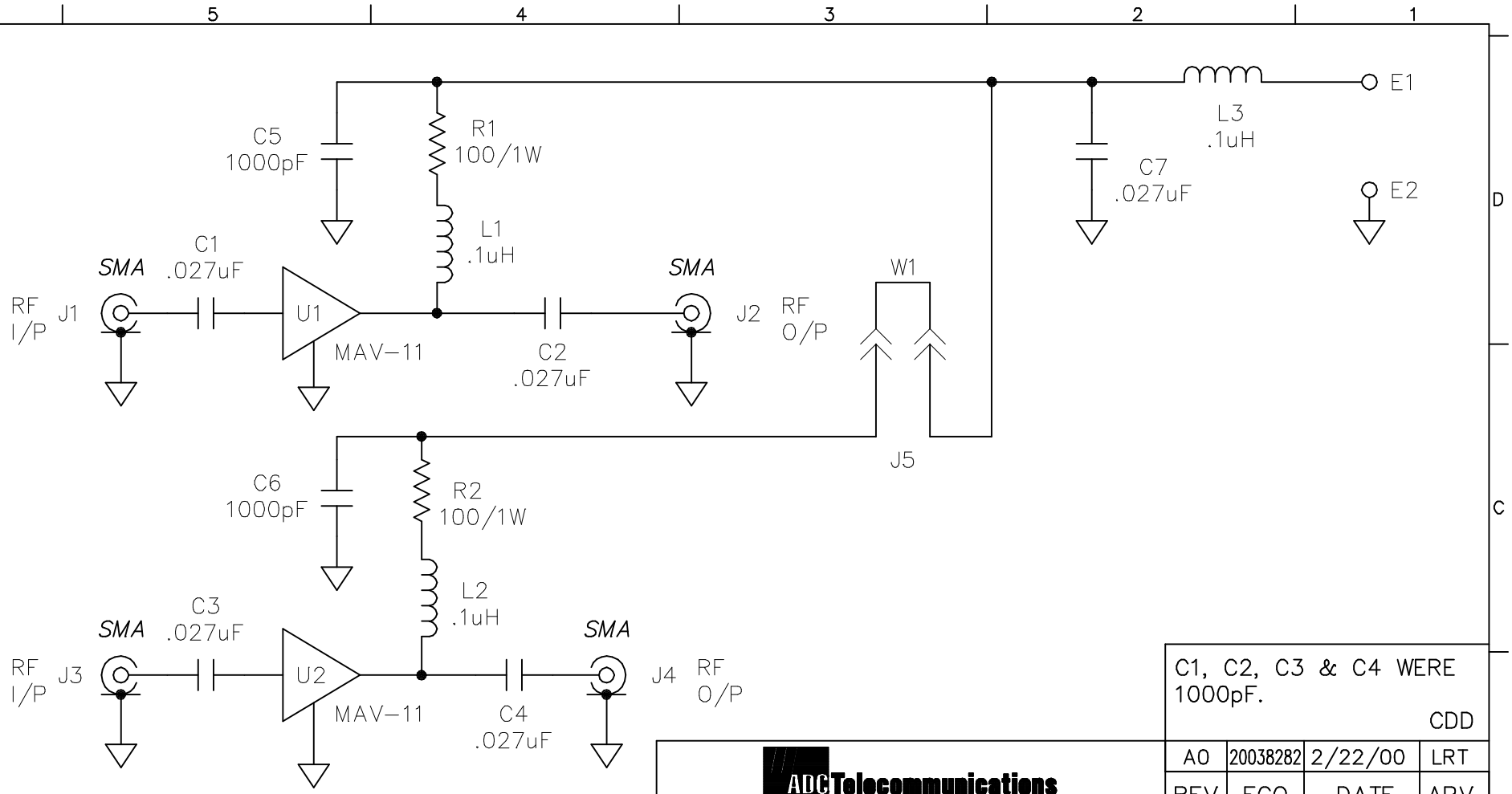
TITLE SCH, DOWNCONVERTER/ FILTER BD, 45.75MHZ (1227-1502)

DWN	SJM	4/25/94	
CHK	DWB	4/26/94	
REL	DWB	4/26/94	

DWG. NO. 1227-3502 REV 3

B SCALE --- SHEET 1 OF 1

Tue Jul 16 09:03:36 1996



C1, C2, C3 & C4 WERE 1000pF.

CDD

REV	ECO	DATE	APV
A0	20038282	2/22/00	LRT

ADC Telecommunications

MATERIAL — — — —

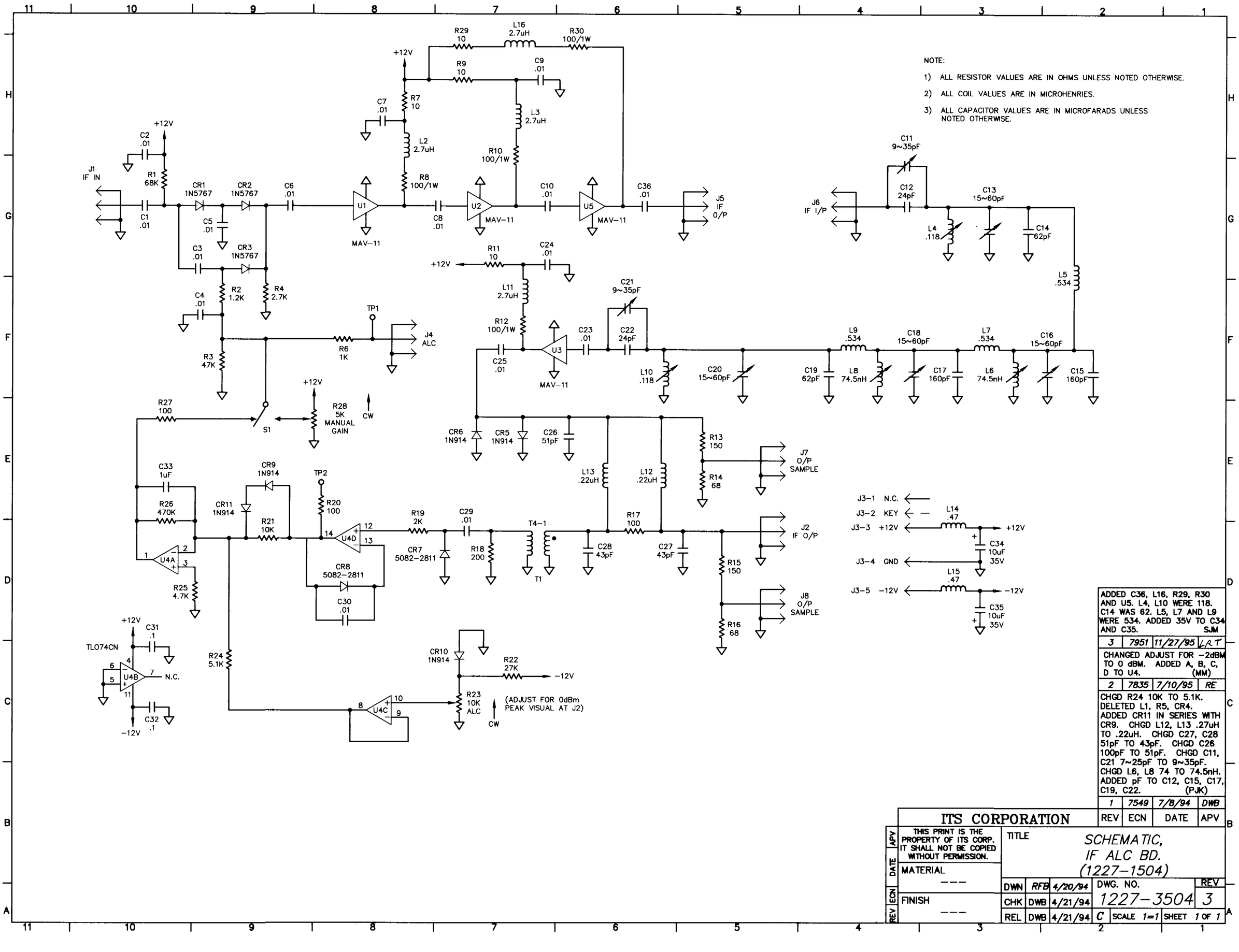
FINISH — — — —

REV	ECO	DATE	APV

TITLE

SCHEMATIC, DUAL STAGE AMPLIFIER BD (1227-1501)

DWN	SJM	3/31/94	DWG. NO.		REV
CHK	DWB	4/22/94	1227-3501		A0
REL	DWB	4/22/94	A	SCALE — —	SHEET 1 OF 1



REV	ECN	DATE	APV
3	7951	11/27/95	LRT
ADDED C36, L16, R29, R30 AND U5. L4, L10 WERE 118. C14 WAS 62. L5, L7 AND L9 WERE 534. ADDED 35V TO C34 AND C35. SJM			
2	7835	7/10/95	RE
CHGD ADJUST FOR −2dBM TO 0 dBM. ADDED A, B, C, D TO U4. (MM)			
1	7549	7/8/94	DWB
CHGD R24 10K TO 5.1K. DELETED L1, R5, CR4. ADDED CR11 IN SERIES WITH CR9. CHGD L12, L13 .27uH TO .22uH. CHGD C27, C28 51pF TO 43pF. CHGD C26 100pF TO 51pF. CHGD C11, C21 7~25pF TO 9~35pF. CHGD L6, L8 74 TO 74.5nH. ADDED pF TO C12, C15, C17, C19, C22. (PJK)			

ITS CORPORATION

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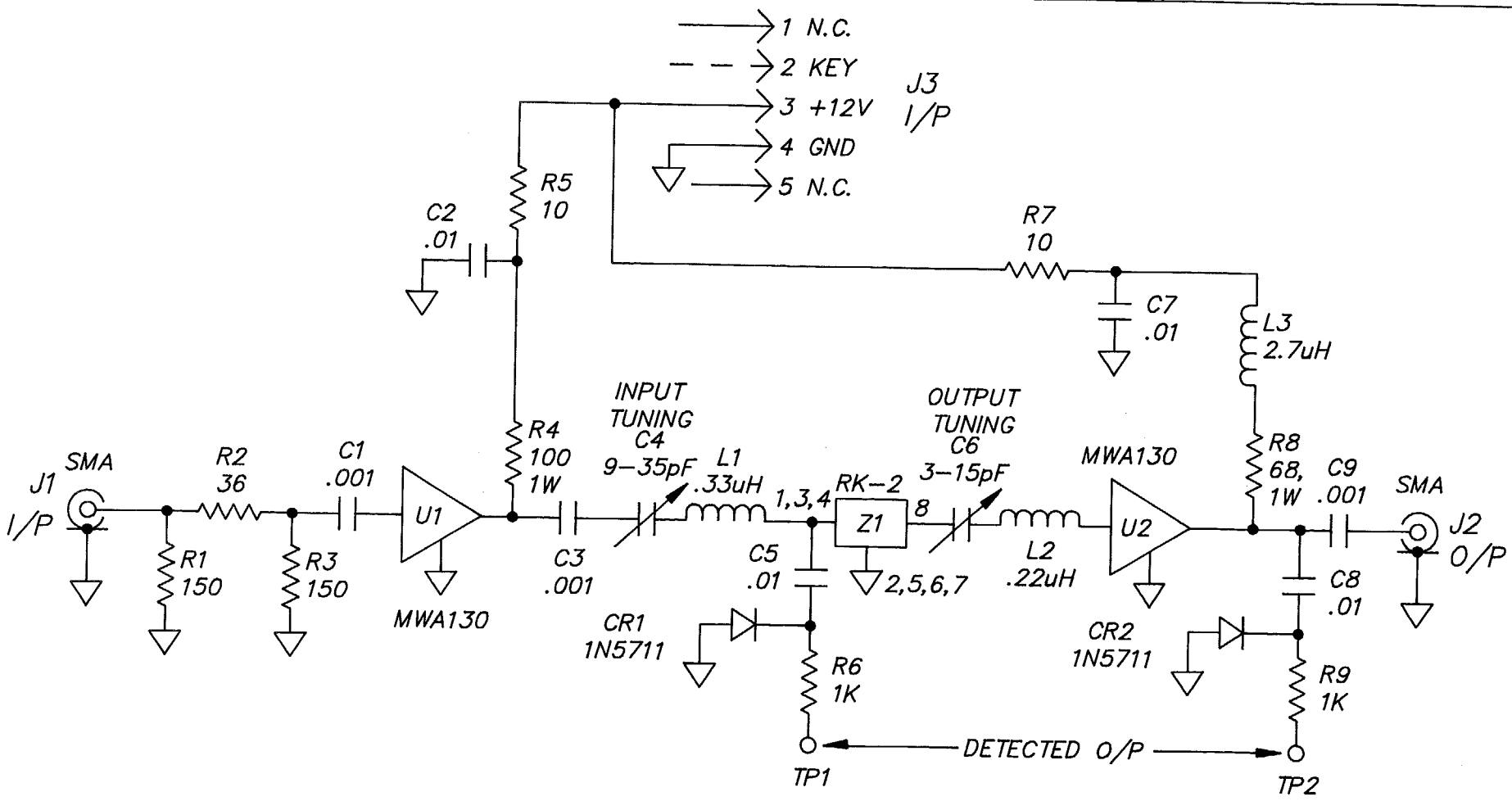
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC, IF ALC BD. (1227-1504)

DWN	RFB	4/20/94	DWG. NO. 1227-3504 REV 3
CHK	DWB	4/21/94	
REL	DWB	4/21/94	C SCALE 1=1 SHEET 1 OF 1



ITS CORPORATION	REV	ECN	DATE	APV
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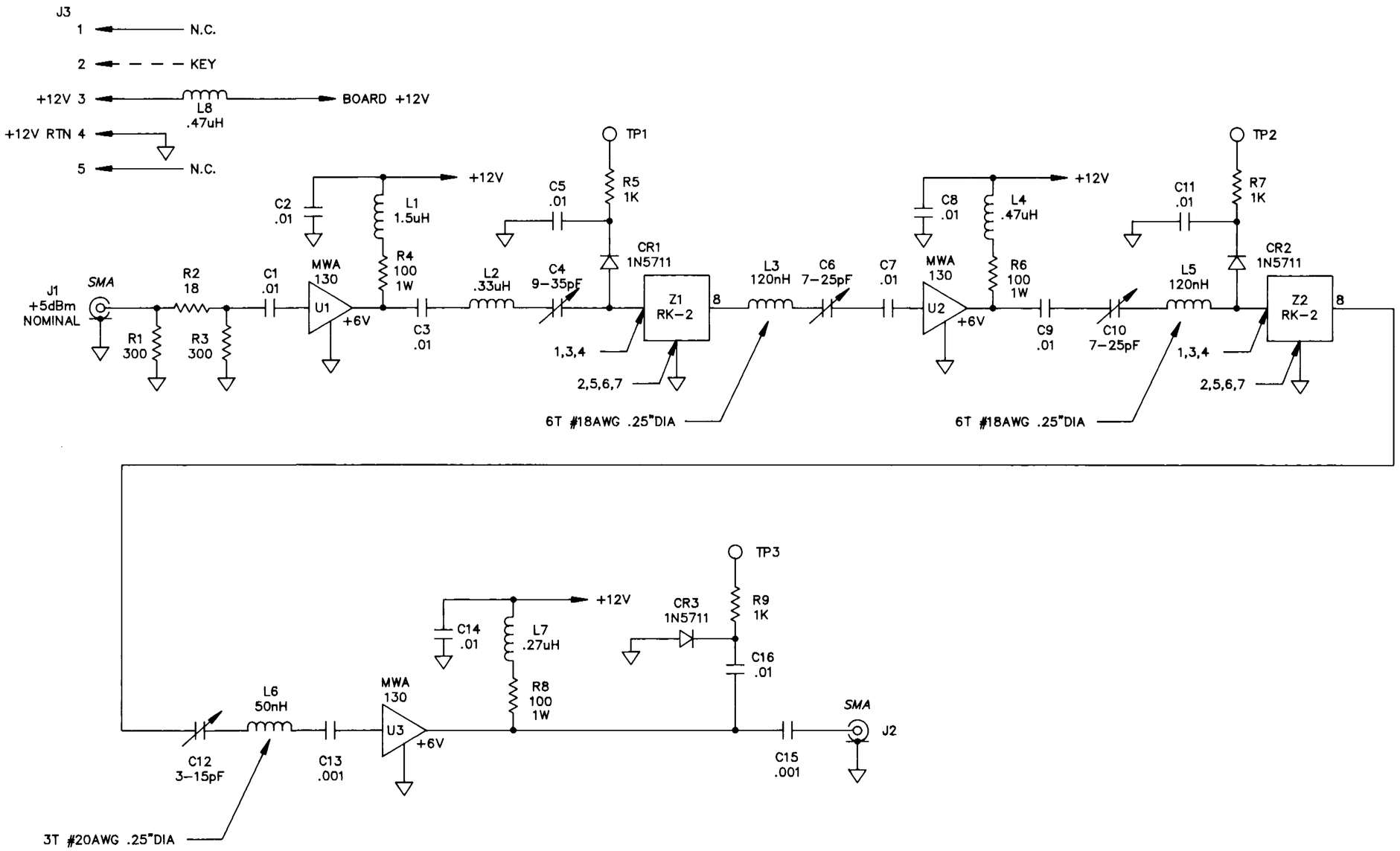
MATERIAL -------				
FINISH -------				

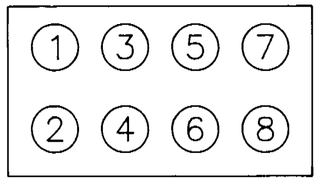
TITLE SCHEMATIC – X2 MULTIPLIER BD, L.B. VHF (1227–1524)

			DWG. NO.	REV
DWN	SJM	5/25/94	1227–3524	0
CHK	RE	5/31/94		
REL	RE	5/31/94	A SCALE---	SHEET 1 OF 1



DETAIL "A"

Z1, Z2, PIN NUMBERING.
BLUE BEAD AT PIN 1 (VISIBLE ON BOTTOM).
LETTER "M" ON TOP OVER PIN 2.



BOTTOM VIEW

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

REV	ECN	DATE	APV
1	7542	7/6/94	RE

CHANGED U3 MWA–330 TO U3 MWA–130. (RFB)

ITS CORPORATION

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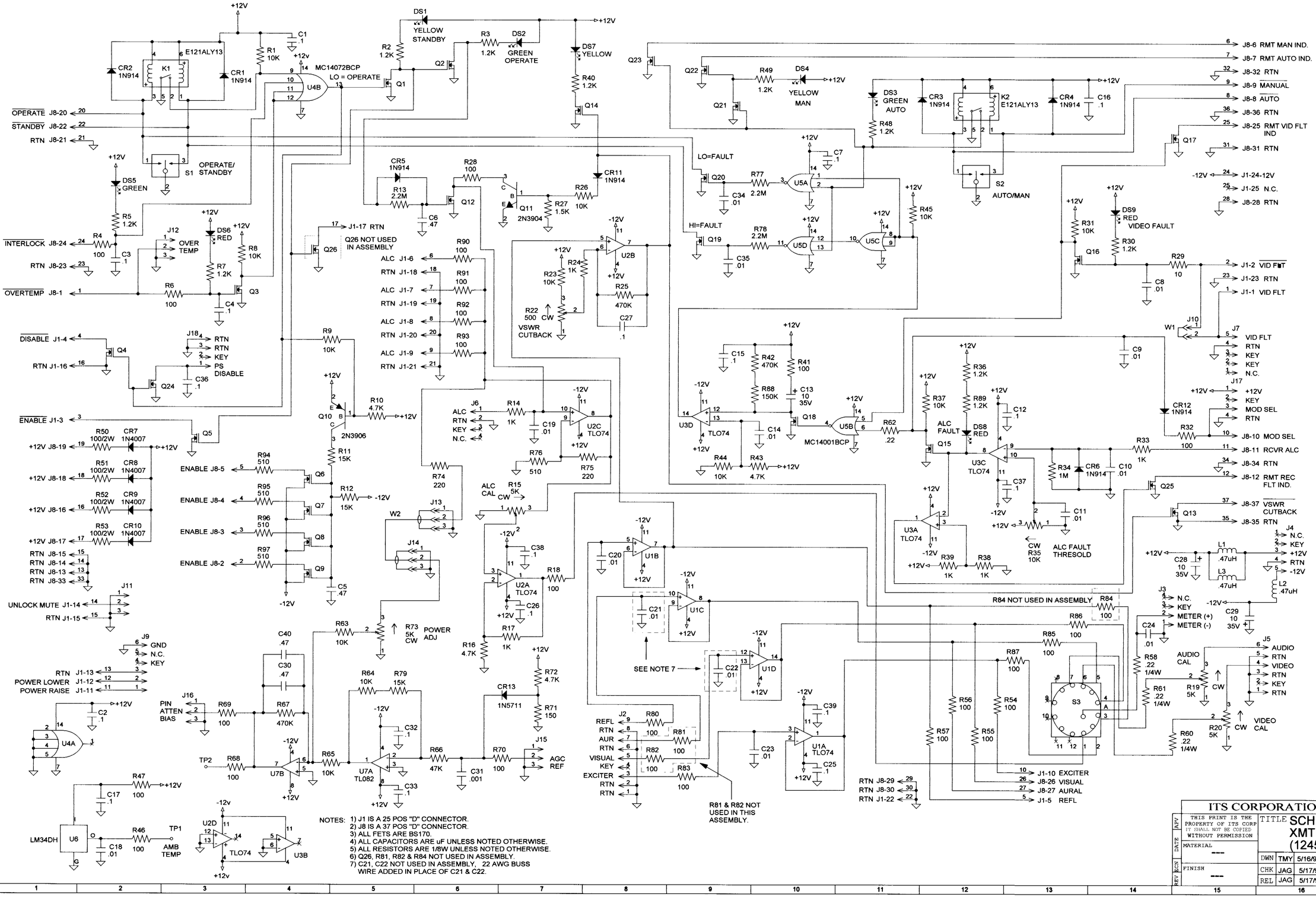
MATERIAL ---

FINISH ---

TITLE: SCHEMATIC, X4 MULTIPLIER BD. (1227–1525)

DWN	SJM	05/24/94	DWG. NO. 1227–3525 REV 1
CHK	RE	5/31/94	
REL	RE	5/31/94	C SCALE --- SHEET 1 OF 1


+12V
-12V
DS1 YELLOW STANDBY
DS2 GREEN OPERATE
DS7 YELLOW
DS3 GREEN AUTO
DS4 YELLOW MAN
DS5 GREEN
DS6 RED
DS8 RED
DS9 RED VIDEO FAULT
CR1 1N914
CR2 1N914
CR3 1N914
CR4 1N914
CR5 1N914
CR6 1N914
CR7 1N4007
CR8 1N4007
CR9 1N4007
CR10 1N4007
CR11 1N914
CR12 1N914
CR13 1N5711
K1 E121ALY13
K2 E121ALY13
MC14072BCP
MC14001BCP
LO = OPERATE
S1 OPERATE/ STANDBY
S2 AUTO/MAN
S3
OPERATE J8-20
STANDBY J8-22
RTN J8-21
INTERLOCK J8-24
RTN J8-23
OVERTEMP J8-1
OVER TEMP
Q26 NOT USED IN ASSEMBLY
J1-17 RTN
DISABLE J1-4
RTN J1-16
PS DISABLE
ENABLE J1-3
+12V J8-19
+12V J8-18
+12V J8-16
+12V J8-17
RTN J8-15
RTN J8-14
RTN J8-13
RTN J8-33
UNLOCK MUTE J1-14
RTN J1-15
ENABLE J8-5
ENABLE J8-4
ENABLE J8-3
ENABLE J8-2
ALC J1-6
RTN J1-18
ALC J1-7
RTN J1-19
ALC J1-8
RTN J1-20
ALC J1-9
RTN J1-21
VSWR CUTBACK
ALC CAL
LO=FAULT
HI=FAULT
ALC FAULT
CW R35 10K
ALC FAULT THRESOLD
R84 NOT USED IN ASSEMBLY
SEE NOTE 7
R81 & R82 NOT USED IN THIS ASSEMBLY.
RTN J8-29
RTN J8-30
RTN J1-22
J1-10 EXCITER
J8-26 VISUAL
J8-27 AURAL
J1-5 REFL
J8-6 RMT MAN IND.
J8-7 RMT AUTO IND.
J8-32 RTN
J8-9 MANUAL
J8-8 AUTO
J8-36 RTN
J8-25 RMT VID FLT IND
J8-31 RTN
J1-24-12V
J1-25 N.C.
J8-28 RTN
J1-2 VID FLT
J1-23 RTN
J1-1 VID FLT
J8-10 MOD SEL
J8-11 RCVR ALC
J8-34 RTN
J8-12 RMT REC FLT IND.
J8-37 VSWR CUTBACK
J8-35 RTN
RTN J1-13
POWER LOWER J1-12
POWER RAISE J1-11
GND
N.C.
KEY
PIN ATTEN BIAS
TP1
AMB TEMP
LM34DH
TLO74
TLO82
2N3906
2N3904
AUDIO CAL
VIDEO CAL
POWER ADJ
AGC REF
METER (+)
METER (-)
J1-15 N.C.
J1-2 VID FLT
J1-23 RTN
J1-1 VID FLT
VID FLT
MOD SEL
RCVR ALC
RMT REC FLT IND.
VSWR CUTBACK
AUDIO
VIDEO
EXCITER
VISUAL
AURAL
REFL
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 OTHERWISE.
5) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.
6) Q26, R81, R82 & R84 NOT USED IN ASSEMBLY.
7) C21, C22 NOT USED IN ASSEMBLY, 22 AWG BUSS WIRE ADDED IN PLACE OF C21 & C22.
ADDED BOX AROUND R81 R82, C21 & C22 TO SHOW THESE PARTS NOT USED IN ASSEMBLY. ADDED NOTE 7. INCLUDED R81 & R82 TO NOTE 6. (TMY)
1 8080 6/17/96 JAG
ITS CORPORATION
REV ECN DATE APV
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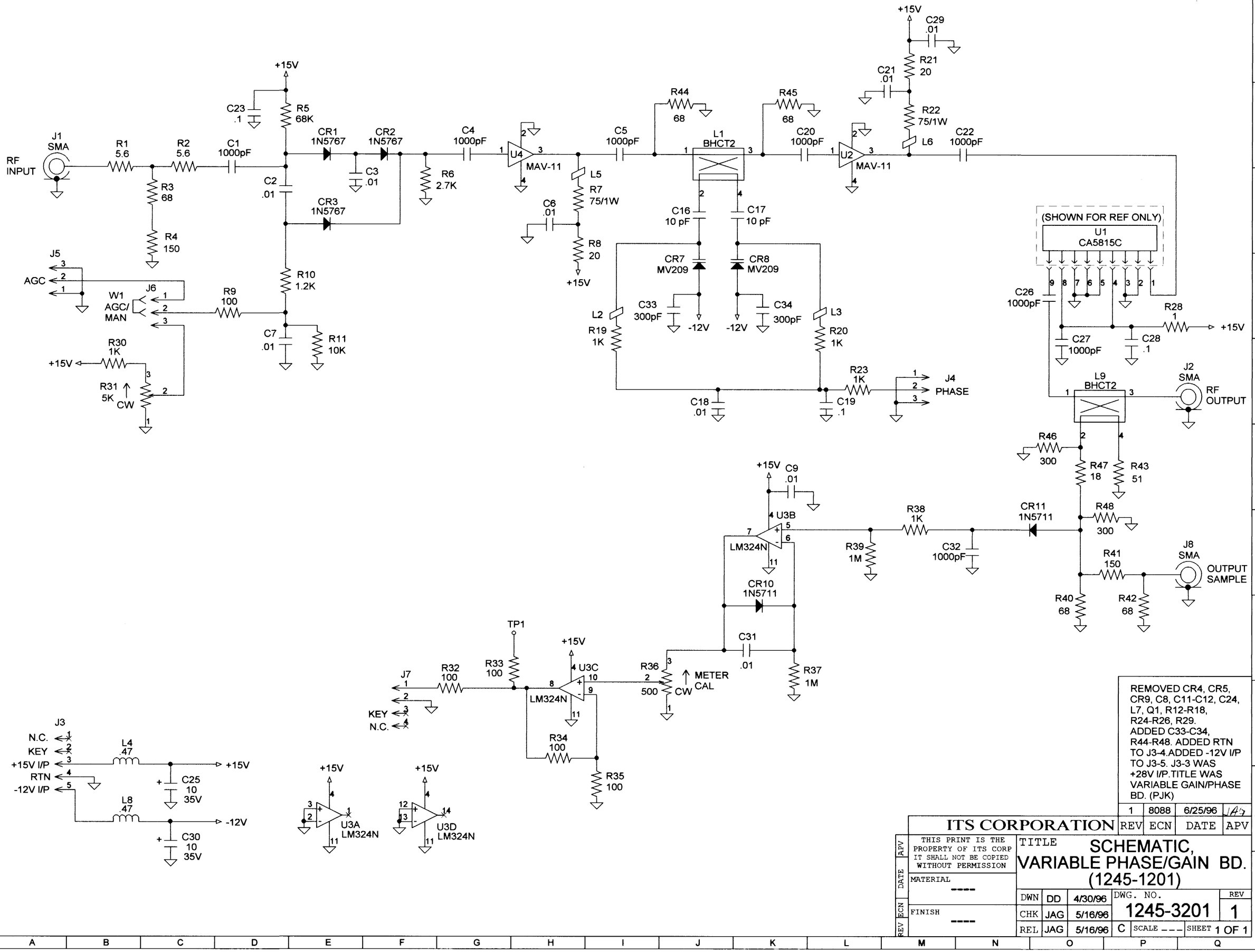
MATERIAL ---
FINISH ---
TITLE SCHEMATIC - XMTR CONTROL BD (1245-1101)
DWN TMY 5/16/96
CHK JAG 5/17/96
REL JAG 5/17/96
DWG. NO. 1245-3101
REV 1
D
SCALE ---
SHEET 1 OF 1



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)

REV	ECN	DATE	APV
1	8088	6/25/96	JAG

ITS CORPORATION

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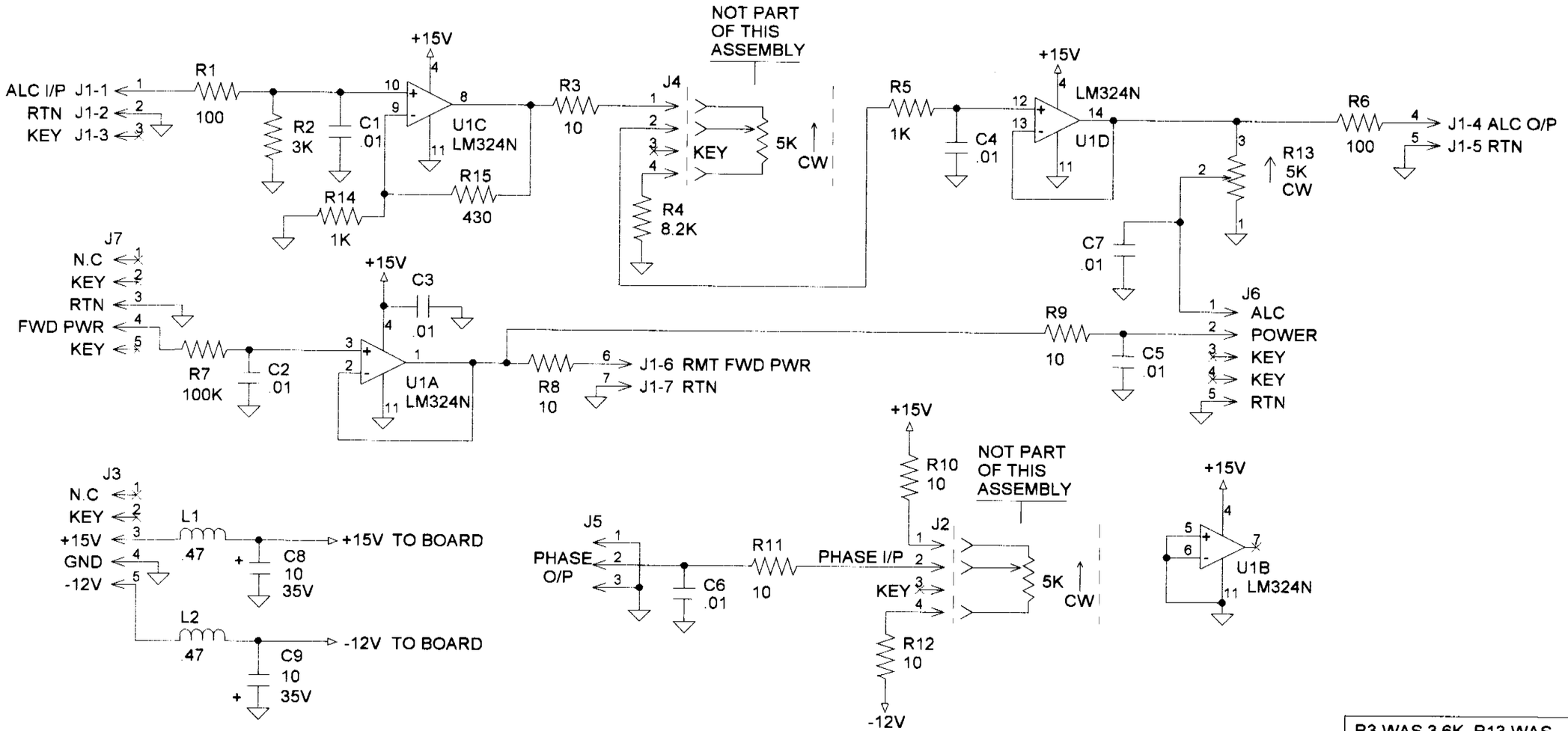
MATERIAL ----

FINISH ----

TITLE SCHEMATIC, VARIABLE PHASE/GAIN BD. (1245-1201)

DWN	DD	4/30/96	DWG. NO. 1245-3201 REV 1
CHK	JAG	5/16/96	
REL	JAG	5/16/96	C SCALE --- SHEET 1 OF 1



NOTES:
1) ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
3) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

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

REV	ECN	DATE	APV
1	8086	6/27/96	JA

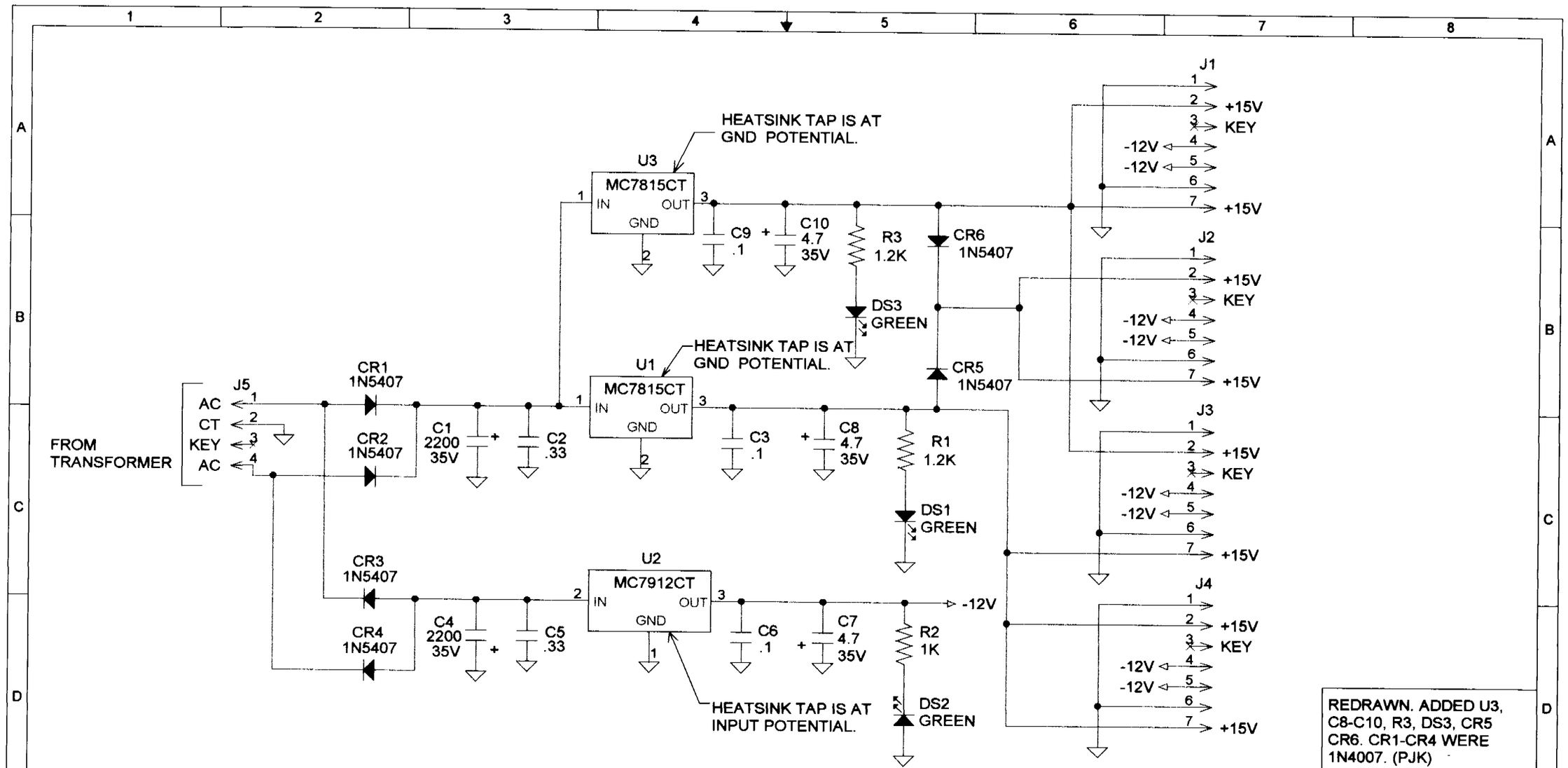
ITS CORPORATION

MATERIAL

FINISH

TITLE SCHEMATIC - METERING BOARD (1245-1202)

DWN	PJK	5/9/96	DWG. NO.		REV
CHK	JAG	5/16/96	1245-3202		1
REL	JAG	5/16/96	B	SCALE ---	SHEET 1 OF 1



NOTES:
1) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.
2) ALL RESITORS ARE 1/4 WATT UNLESS NOTED OTHERWISE.

REV	ECN	DATE	APV
1	8085	6/18/96	JAG

REDRAWN. ADDED U3, C8-C10, R3, DS3, CR5 CR6. CR1-CR4 WERE 1N4007. (PJK)

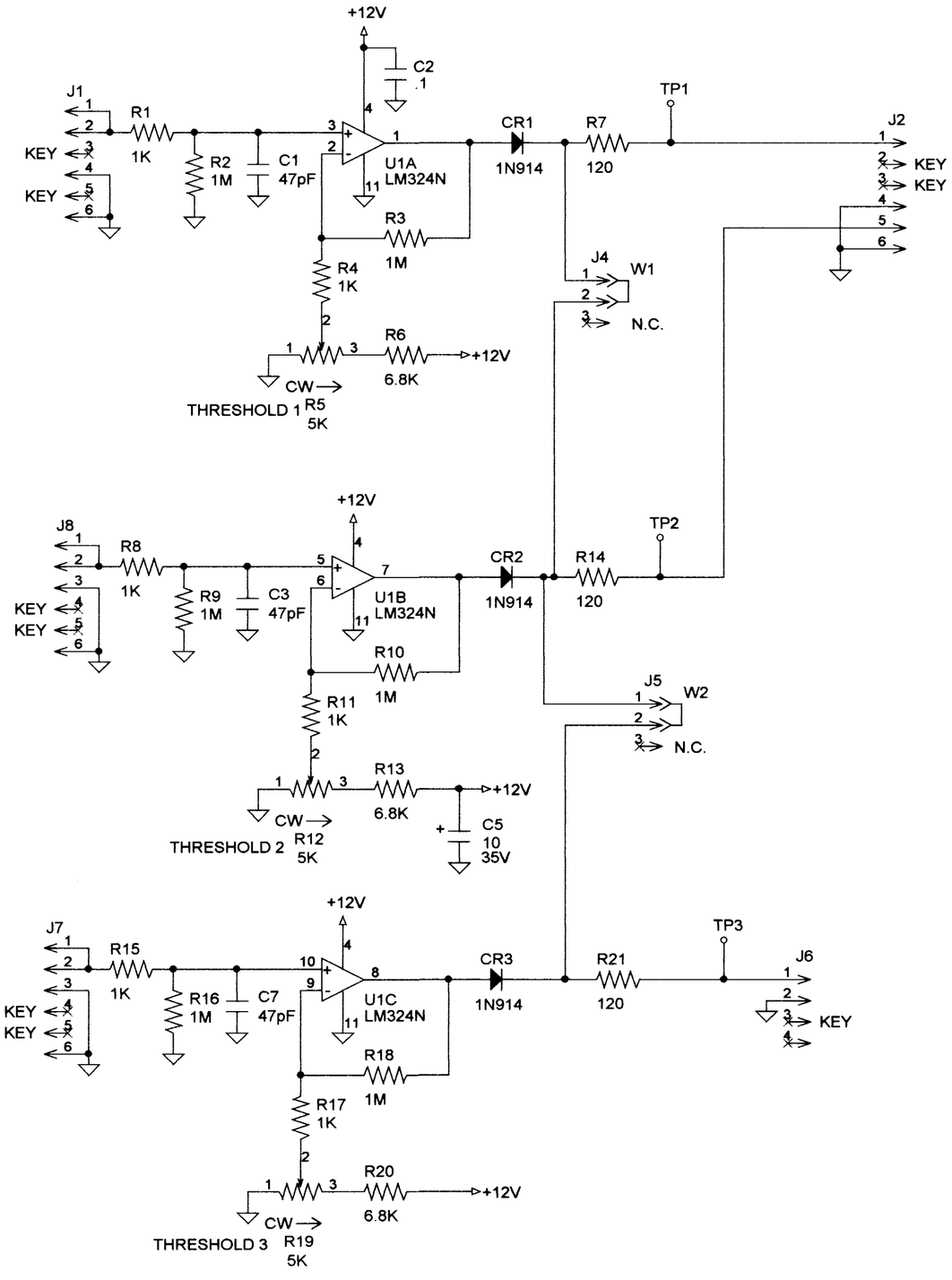
ITS CORPORATION

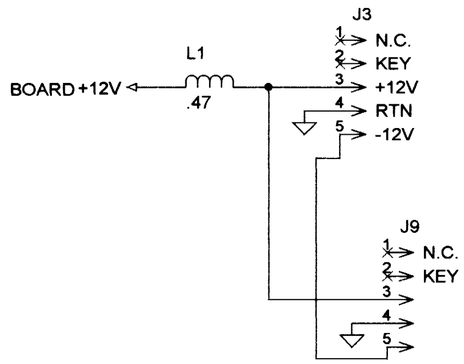
MATERIAL

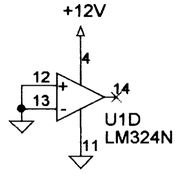
FINISH

TITLE SCHEMATIC - +15V/-12V POWER SUPPLY BD. (1245-1203)

DWN	PJK	4/30/96	DWG. NO. 1245-3203 REV 1
CHK	JAG	5/16/96	
REL	JAG	5/16/96	B SCALE --- SHEET 1 OF 1

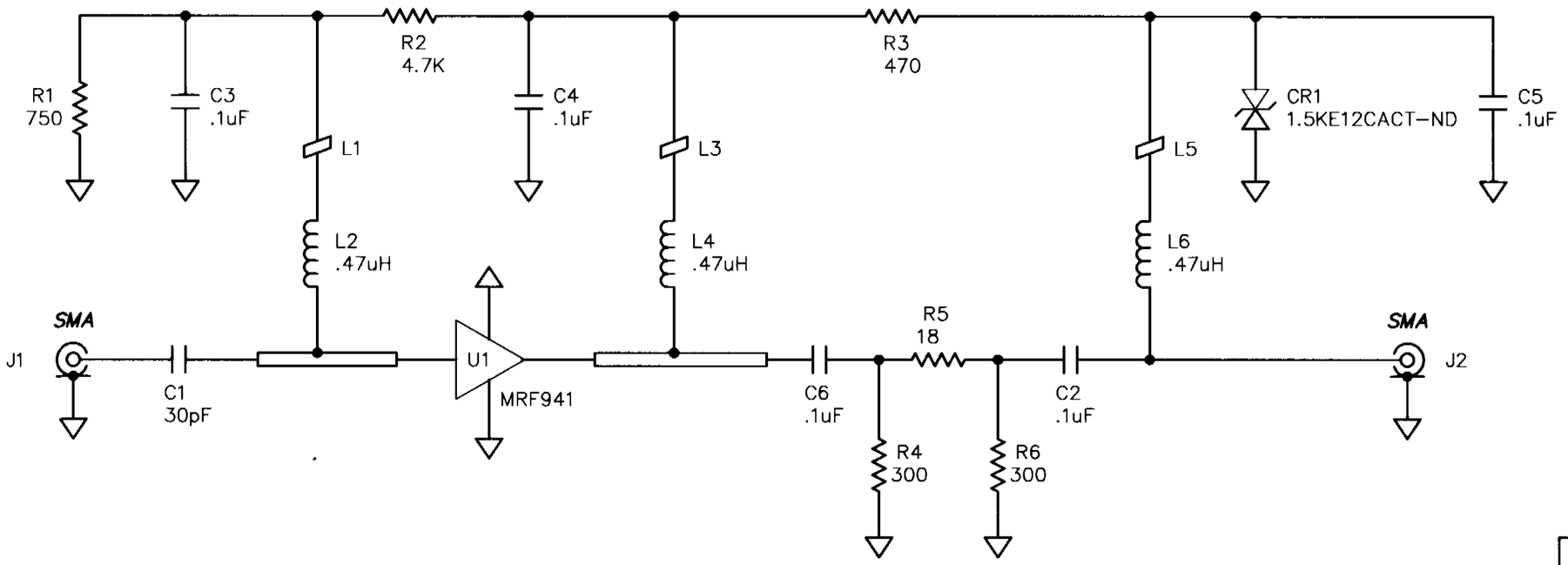






NOTES:
1) ALL RESISTORS ARE IN OHMS, 1/4 WATT UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
3) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

ITS CORPORATION	REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP IT SHALL NOT BE COPIED WITHOUT PERMISSION	TITLE SCHEMATIC - DETECTOR THRESHOLD BD (1245-1402)			
MATERIAL	DWN PJK 6/21/96	DWG. NO. 1245-3402	REV 0	
FINISH	CHK IAG 6/28/96			
	REL IAG 6/28/96	C	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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MATERIAL ----

FINISH ----

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

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

APV DATE ECN REV

NOTES:
1) ALL DIODES ARE 1N5711 UNLESS OTHERWISE NOTED.
2) ALL NPN TRANSITORS 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)

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

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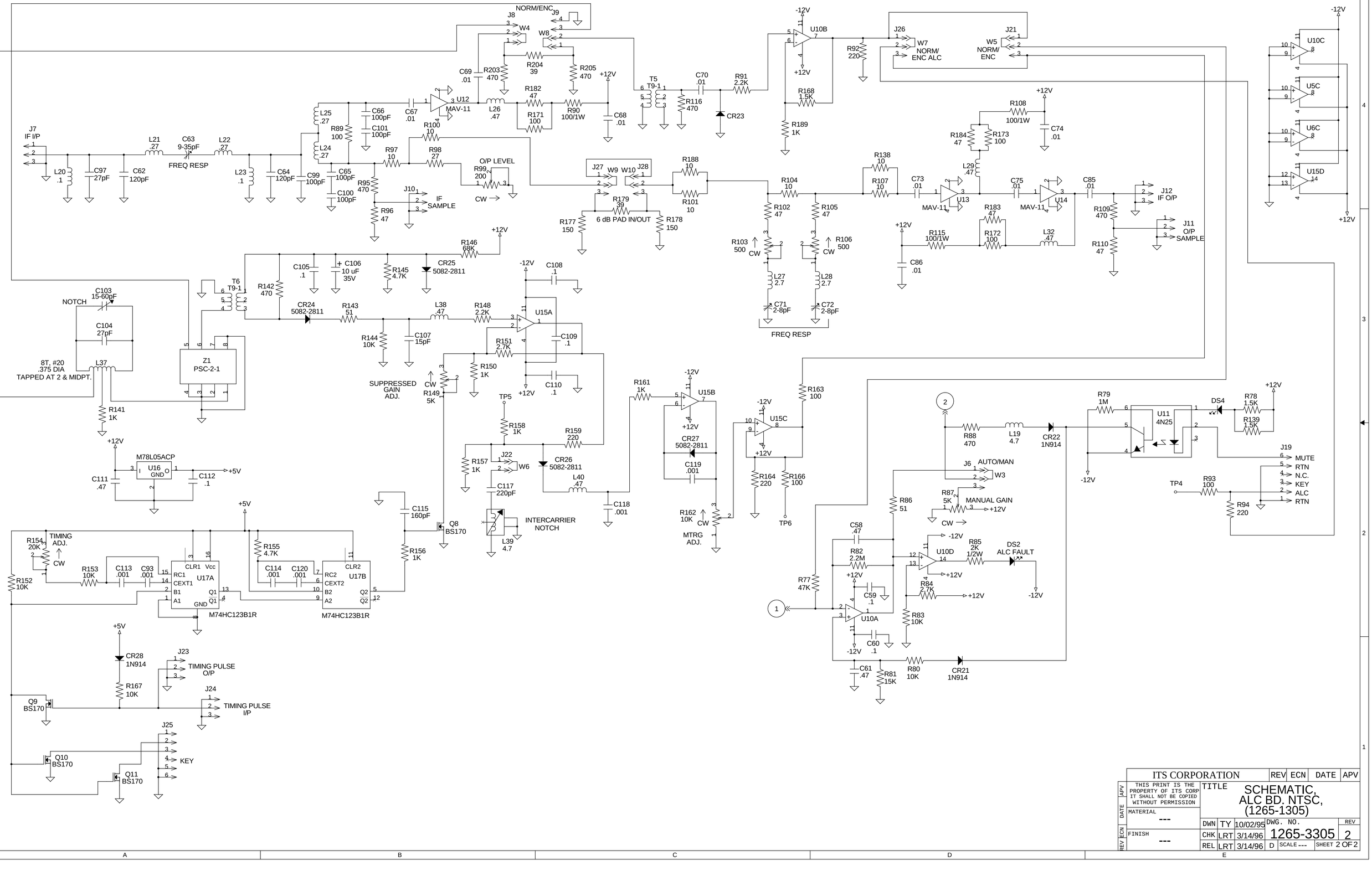
MATERIAL ---

FINISH ---

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

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

SCALE --- SHEET 1 OF 2



ITS CORPORATION	REV	ECN	DATE	APV

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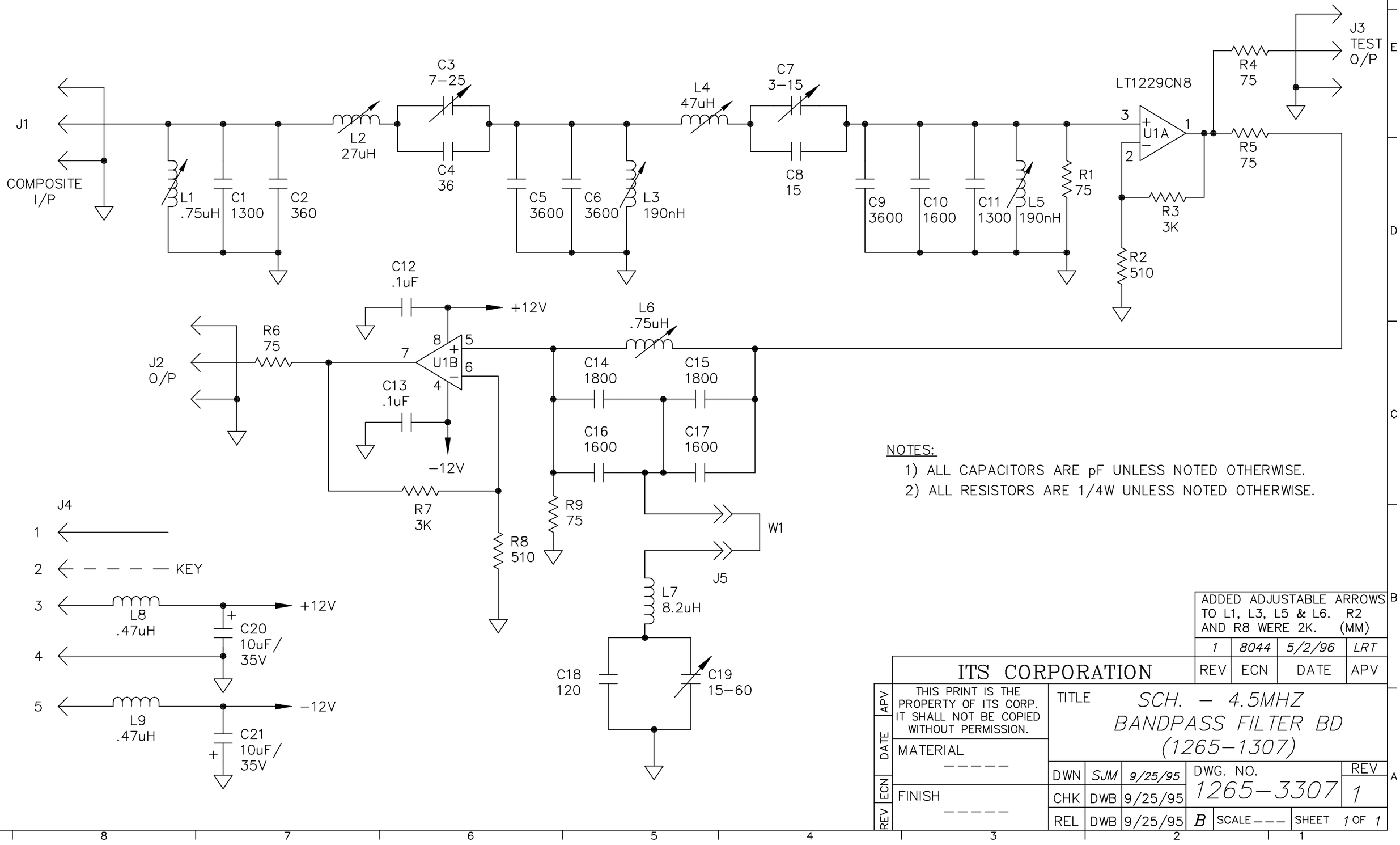
MATERIAL ---

FINISH ---

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

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



NOTES:

1) ALL CAPACITORS ARE pF UNLESS NOTED OTHERWISE.
2) ALL RESISTORS ARE 1/4W UNLESS NOTED OTHERWISE.

REV	ECN	DATE	APV
1	8044	5/2/96	LRT

ADDED ADJUSTABLE ARROWS TO L1, L3, L5 & L6. R2 AND R8 WERE 2K. (MM)

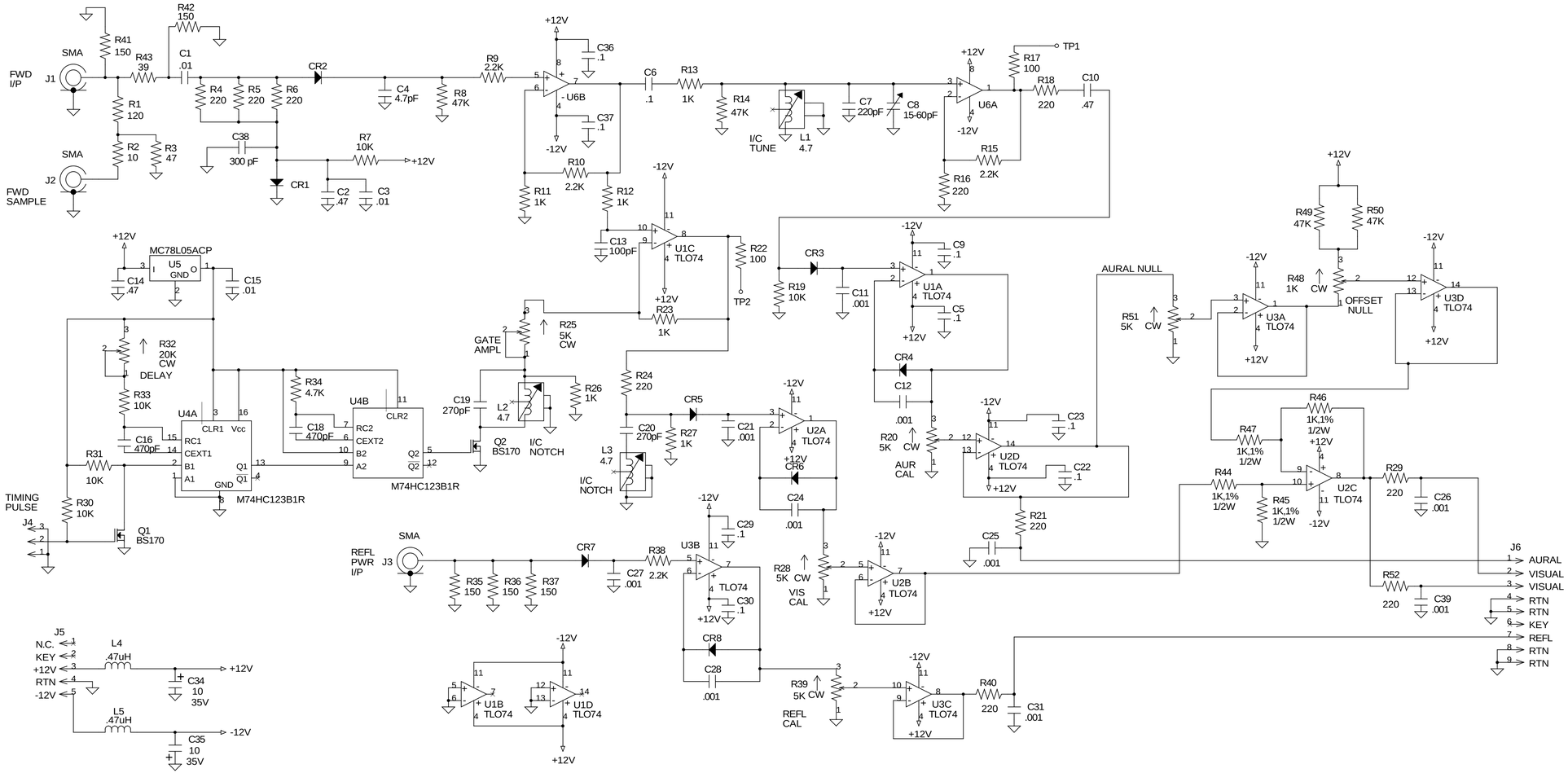
ITS CORPORATION

MATERIAL: ———

FINISH: ———

TITLE: SCH. — 4.5MHZ BANDPASS FILTER BD (1265–1307)

DWN	SJM	9/25/95	DWG. NO. 1265–3307 REV 1
CHK	DWB	9/25/95	
REL	DWB	9/25/95	B SCALE ——— SHEET 1 OF 1



NOTES:
1) ALL RESISTORS ARE 1/8 WATT UNLESS NOTED OTHERWISE.
2) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.
3) ALL INDUCTORS ARE uH UNLESS NOTED OTHERWISE.
4) ALL DIODES ARE 5082-2811 UNLESS NOTED OTHERWISE.
5) ALL TRANSISTORS ARE BS170 UNLESS NOTED OTHERWISE.
6) U6 IS HA50231B OR LT12 29CS8.

REV	ECO	DATE	APV
	ADDED R52 AND C39. (PJK)		
A0	20092325	5/31/01	LRT
	R8 WAS 4.7K. (TMY)		
5	8470	9/30/96	LRT
	R7 WAS 100K. (PJK)		
4	8408	9/9/96	JAG
	ADDED R41 - R51 & C38. R13 WAS 10K, R19 WAS 2.2K, R7 WAS 10K. CHGD U1A TO U6B. CHGD U1D TO U1.A. ADDED CIRCUIT TO U2B & U2D. ENLARGED TO "D" SIZE DWG. (TMY)		
3	8052	7/16/96	JAG
	C7 WAS 160pF. J6 WAS A 7 PIN CONNECTOR. (PJK)		
2	8026	4/2/96	LRT
	ADDED U6, C36, C37. ADDED NOTE #6. U5 WAS M78L05ACN. L5 WAS CONNECTED TO J5-1. U6A WAS U1A. 1A WAS U1B. U2D WAS U2A. U2A WAS U2B. U2B WAS U3D. (PJK)		
1	7999	3/4/96	LRT

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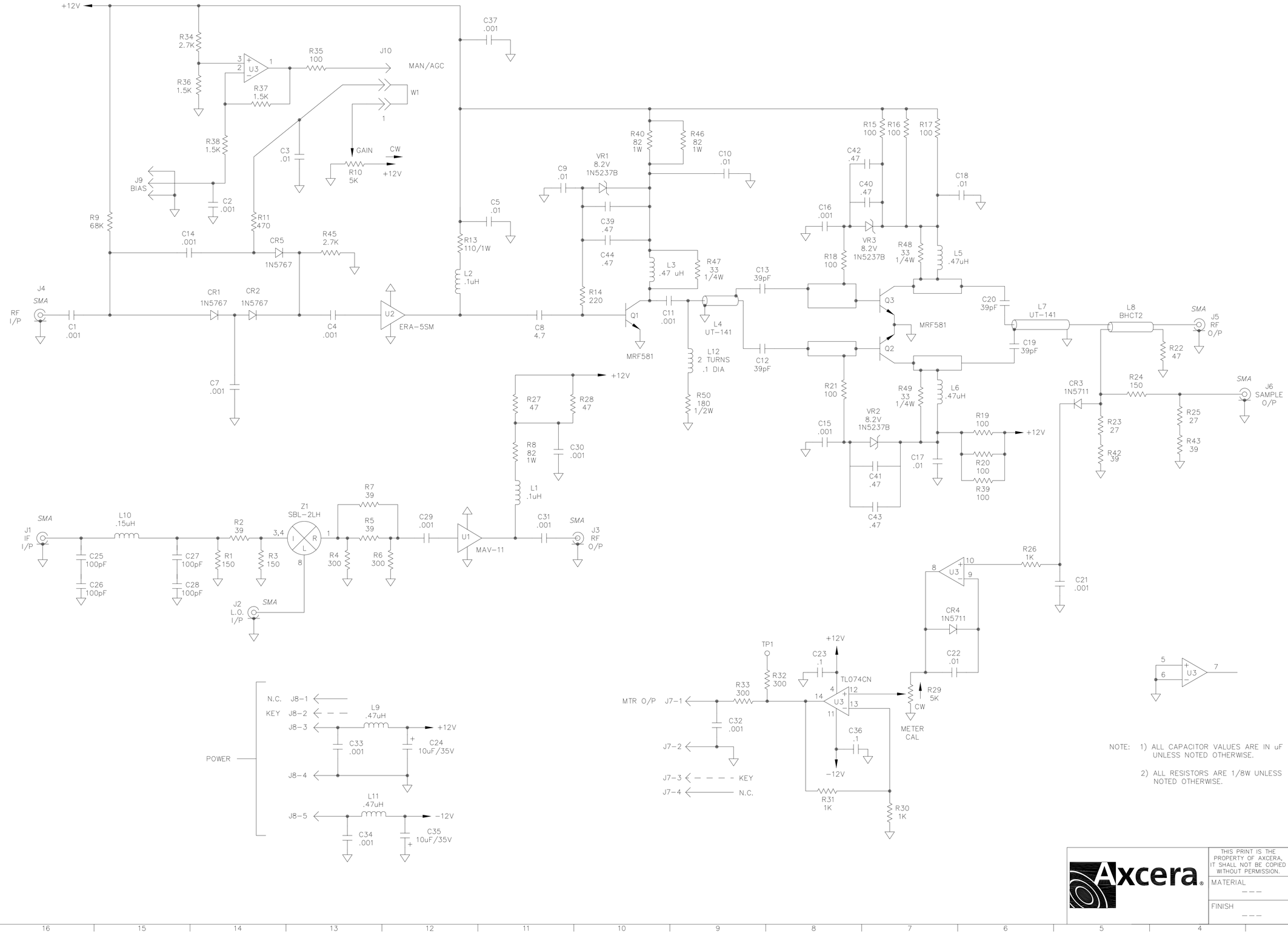
MATERIAL -----

FINISH -----

TITLE **91-00-00-50AC-61**
SCH., VIS/AURAL MTRNG BD (1265-1309)

DWN	PJK	12/21/95	DWG. NO. 1265-3309 REV A0
CHK	DWB	1/3/96	
REL	DWB	1/3/96	D SCALE --- SHEET 1 OF 1



NOTE: 1) ALL CAPACITOR VALUES ARE IN uF UNLESS NOTED OTHERWISE.

2) ALL RESISTORS ARE 1/8W UNLESS NOTED OTHERWISE.

REV	ECO	DATE	APV
	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

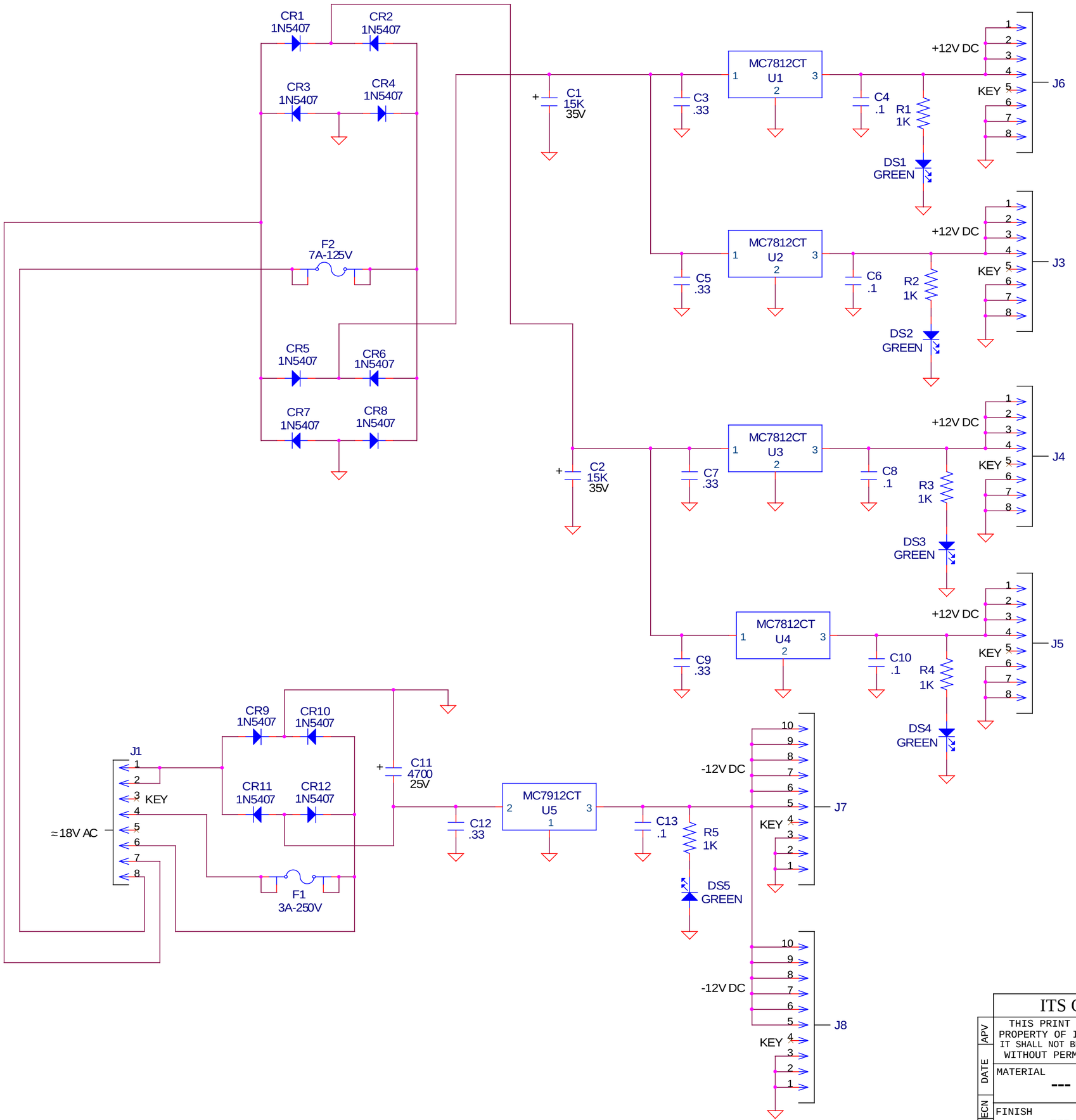
Axcera

MATERIAL ---

FINISH ---

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

DWN	PJK	1/25/96	DWG. NO. 1265-3310 REV. B0
CHK	LRT	3/14/96	
REL	LRT	3/14/96	D SCALE 1=1 SHEET 1 OF 1



ITS CORPORATION	REV	ECN	DATE	APV

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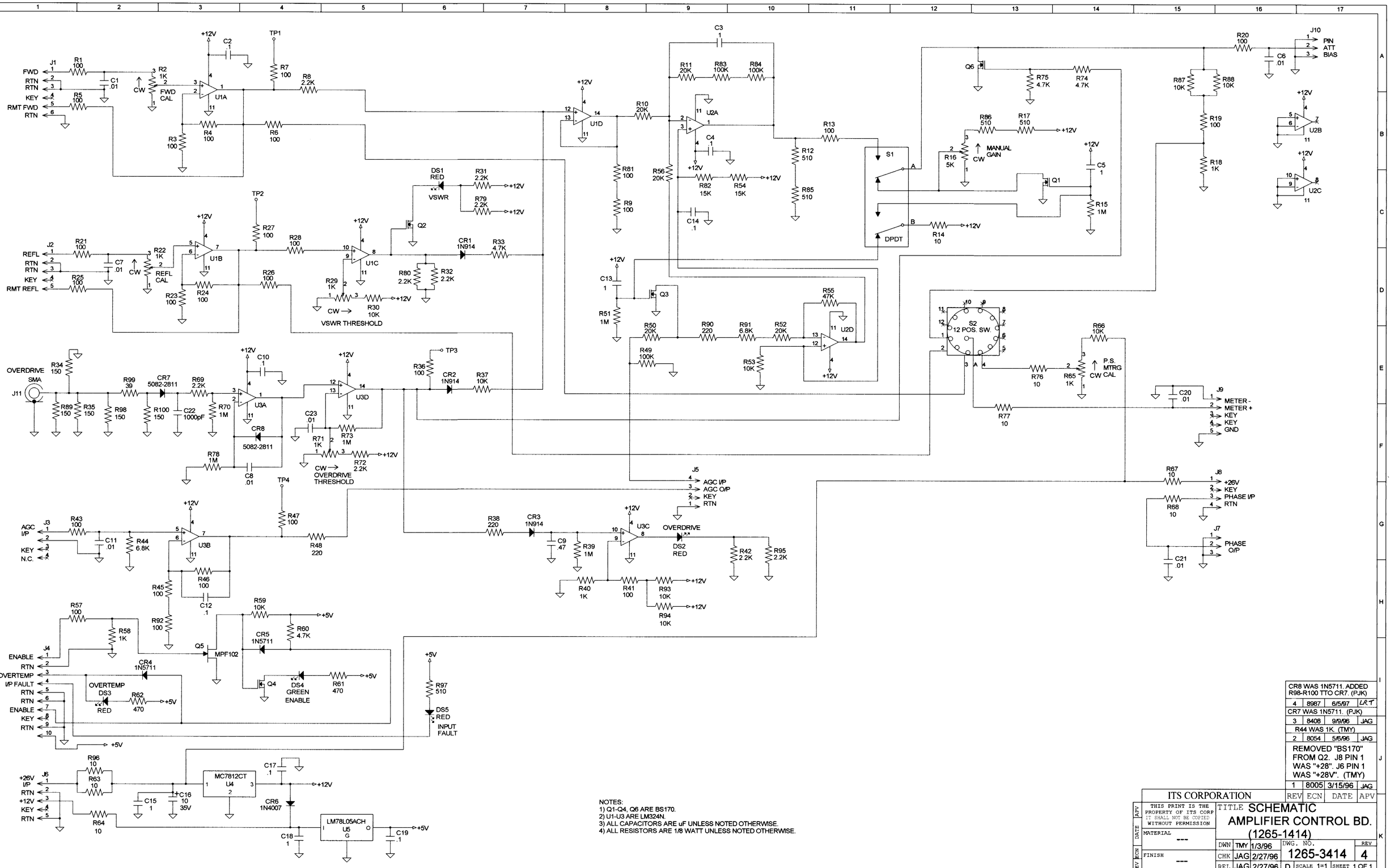
MATERIAL ---

FINISH ---

TITLE SCHEMATIC, +12V(4A) -12V(1A) POWER SUPPLY BD. (1265-1312)

DWN	TMY	2/26/96	DWG. NO. 1265-3312	REV 0
CHK	LRT	3/28/96		
REL	LRT	3/28/96	C	SCALE --- SHEET 1 OF 1



NOTES:
1) Q1-Q4, Q6 ARE BS170.
2) U1-U3 ARE LM324N.
3) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.
4) ALL RESISTORS ARE 1/8 WATT UNLESS NOTED OTHERWISE.

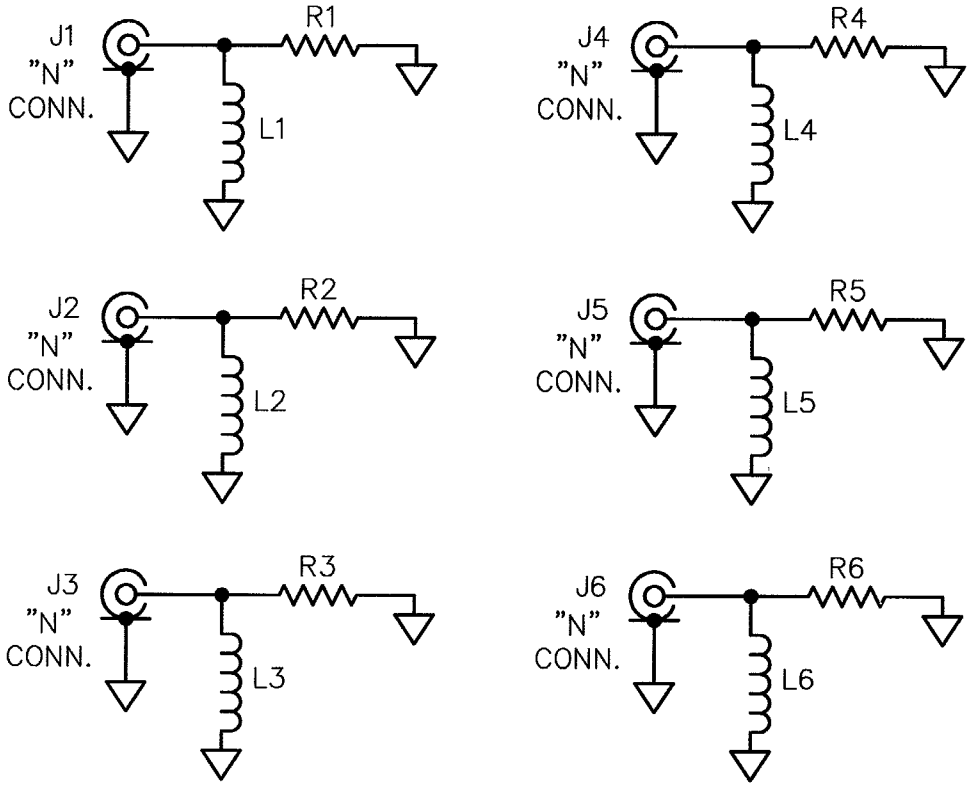
REV	ECN	DATE	APV
			CR8 WAS 1N5711. ADDED R98-R100 TTO CR7. (PJK)
4	8987	6/5/97	LRT
			CR7 WAS 1N5711. (PJK)
3	8408	9/9/96	JAG
			R44 WAS 1K. (TMY)
2	8054	5/6/96	JAG
			REMOVED "BS170" FROM Q2. J8 PIN 1 WAS "+28". J6 PIN 1 WAS "+28V". (TMY)
1	8005	3/15/96	JAG

ITS CORPORATION

TITLE SCHEMATIC
AMPLIFIER CONTROL BD.
(1265-1414)

APV			
DATE	MATERIAL	---	
ECN	FINISH	---	
REV			

DWN	TMY	1/3/96	DWG. NO.	REV
CHK	JAG	2/27/96	1265-3414	4
REL	JAG	2/27/96	D SCALE 1=1	SHEET 1 OF 1



NOTES:
1) R1–R6 TERMINATIONS ARE RFP–400–50T 50 OHM 400W RESISTORS.
2) L1–L6, 4T, .25 DIA., 18 AWG.

ITS CORPORATION	REV	ECN	DATE	APV

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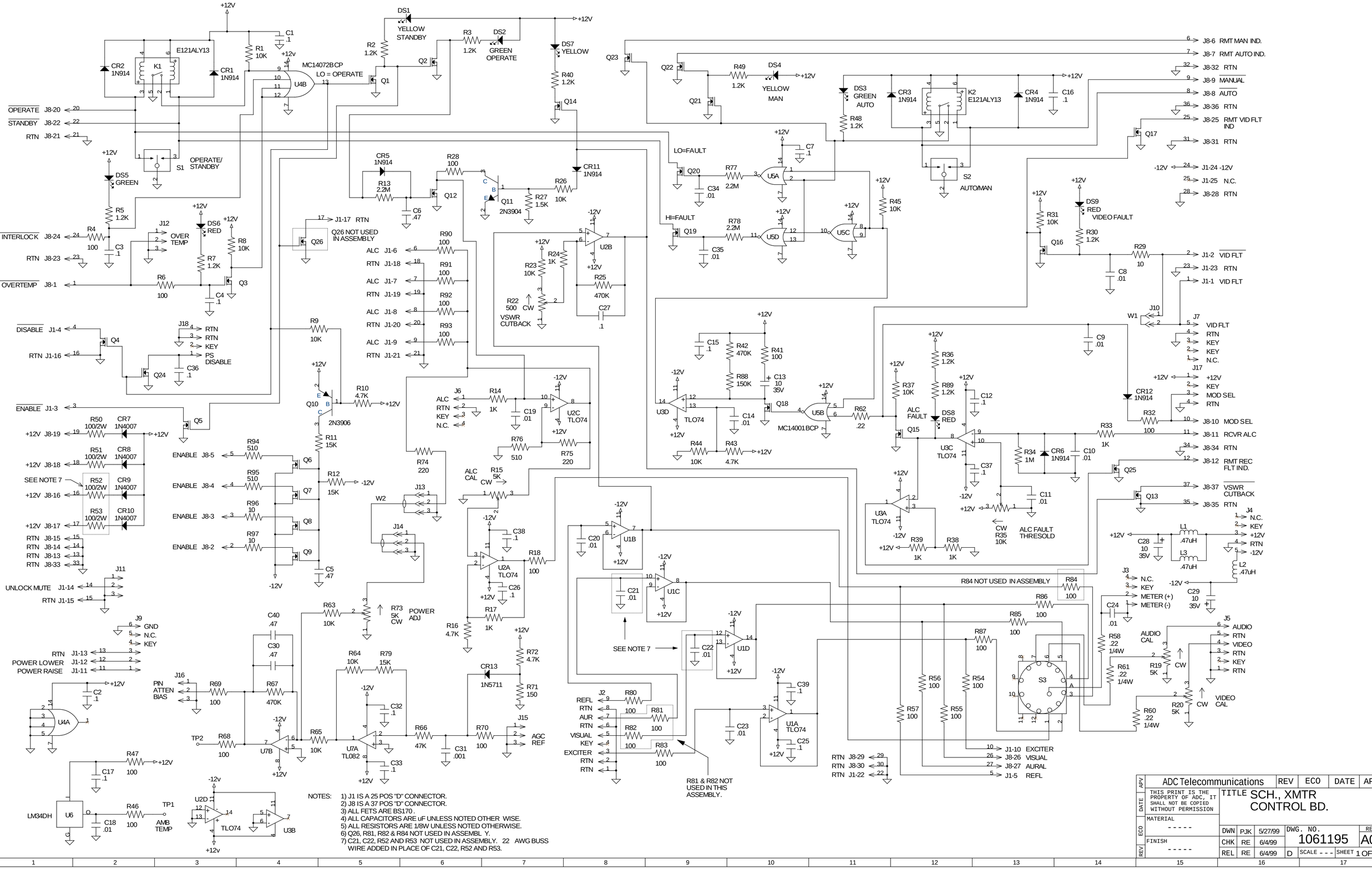
MATERIAL ----

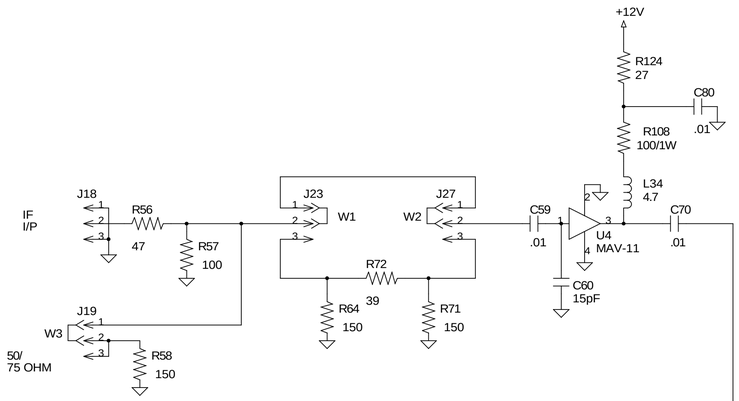
FINISH ----

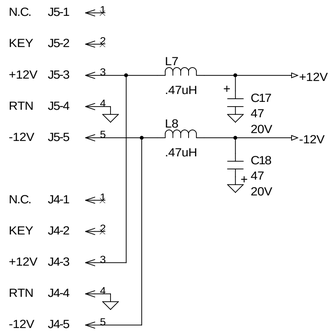
TITLE SCHEMATIC, COMBINER REJECT LOAD BD.

			DWG. NO.	REV
DWN	PJK	9/9/97	1278–3311	0
CHK	URT	9/22/97		
REL	URT	9/22/97	A SCALE 1=1	SHEET 1 OF 1

Wed Sep 17 10:16:21 1997


+12V
-12V
DS1 YELLOW STANDBY
DS2 GREEN OPERATE
DS7 YELLOW
DS3 GREEN AUTO
DS4 YELLOW MAN
DS5 GREEN
DS6 RED
DS9 RED VIDEO FAULT
DS8 RED ALC FAULT
E121ALY13
K1
K2 E121ALY13
CR1 1N914
CR2 1N914
CR3 1N914
CR4 1N914
CR5 1N914
CR11 1N914
CR12 1N914
CR13 1N5711
CR6 1N914
CR7 1N4007
CR8 1N4007
CR9 1N4007
CR10 1N4007
MC14072BCP
LO = OPERATE
U4B
U2A TLO74
U2B
U2C TLO74
U2D TLO74
U3A TLO74
U3B TLO74
U3C TLO74
U3D TLO74
U1A TLO74
U1B
U1C
U1D
U4A
U5A
U5B MC14001BCP
U5C
U5D
U7A TL082
U7B
U6 LM34DH
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10 2N3906
Q11 2N3904
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q20
Q21
Q22
Q23
Q24
Q25
Q26 NOT USED IN ASSEMBLY
S1 OPERATE/ STANDBY
S2 AUTO/MAN
S3
OPERATE J8-20
STANDBY J8-22
RTN J8-21
INTERLOCK J8-24
OVERTEMP J8-1
OVER TEMP
DISABLE J1-4
RTN J1-16
PS DISABLE
ENABLE J1-3
+12V J8-19
+12V J8-18
SEE NOTE 7
+12V J8-16
+12V J8-17
RTN J8-15
RTN J8-14
RTN J8-13
RTN J8-33
UNLOCK MUTE J1-14
RTN J1-15
ENABLE J8-5
ENABLE J8-4
ENABLE J8-3
ENABLE J8-2
POWER LOWER J1-12
POWER RAISE J1-11
RTN J1-13
PIN ATTEN BIAS
TP1 AMB TEMP
TP2
LO=FAULT
HI=FAULT
VSWR CUTBACK
POWER ADJ
ALC CAL
AUDIO CAL
VIDEO CAL
ALC FAULT THRESOLD
R84 NOT USED IN ASSEMBLY
SEE NOTE 7
R81 & R82 NOT USED IN THIS ASSEMBLY.
J1-17 RTN
ALC J1-6
RTN J1-18
ALC J1-7
RTN J1-19
ALC J1-8
RTN J1-20
ALC J1-9
RTN J1-21
J6 ALC RTN KEY N.C.
REFL RTN AUR RTN VISUAL KEY EXCITER RTN RTN
RTN J8-29
RTN J8-30
RTN J1-22
J1-10 EXCITER
J8-26 VISUAL
J8-27 AURAL
J1-5 REFL
J8-6 RMT MAN IND.
J8-7 RMT AUTO IND.
J8-32 RTN
J8-9 MANUAL
J8-8 AUTO
J8-36 RTN
J8-25 RMT VID FLT IND
J8-31 RTN
-12V J1-24 -12V
J1-25 N.C.
J8-28 RTN
J1-2 VID FLT
J1-23 RTN
J1-1 VID FLT
J7 VID FLT RTN KEY KEY N.C.
J17 +12V KEY MOD SEL RTN
J8-10 MOD SEL
J8-11 RCVR ALC
J8-34 RTN
J8-12 RMT REC FLT IND.
J8-37 VSWR CUTBACK
J8-35 RTN
J4 N.C. KEY +12V RTN -12V
J3 N.C. KEY METER (+) METER (-)
J5 AUDIO RTN VIDEO RTN KEY RTN
J9 GND N.C. KEY
J18 RTN RTN KEY PS DISABLE
J16 PIN ATTEN BIAS
J15 AGC REF
J10 J7
W1 W2
J11 J12 J13 J14
R1 10K
R2 1.2K
R3 1.2K
R4 100
R5 1.2K
R6 100
R7 1.2K
R8 10K
R9 10K
R10 4.7K
R11 15K
R12 15K
R13 2.2M
R14 1K
R15 5K CW
R16 4.7K
R17 1K
R18 100
R19 5K CW
R20 5K CW
R22 500 CW VSWR CUTBACK
R23 10K
R24 1K
R25 470K
R26 10K
R27 1.5K
R28 100
R29 10
R30 1.2K
R31 10K
R32 100
R33 1K
R34 1M
R36 1.2K
R37 10K
R38 1K
R39 1K
R40 1.2K
R41 100
R42 470K
R43 4.7K
R44 10K
R45 10K
R46 100
R47 100
R48 1.2K
R49 1.2K
R50 100/2W
R51 100/2W
R52 100/2W
R53 100/2W
R54 100
R55 100
R56 100
R57 100
R58 .22 1/4W
R60 .22 1/4W
R61 .22 1/4W
R62 .22
R63 10K
R64 10K
R67 470K
R68 100
R69 100
R71 150
R72 4.7K
R74 220
R75 220
R76 510
R79 15K
R80 100
R81 100
R82 100
R83 100
R85 100
R86 100
R87 100
R88 150K
R90 100
R91 100
R92 100
R93 100
R94 510
R95 510
R96 10
R97 10
C1 .1
C2 .1
C3 .1
C4 .1
C5 .47
C6 .47
C7 .1
C8 .01
C9 .01
C10 .01
C11 .01
C12 .1
C13 10 35V
C14 .01
C15 .1
C16 .1
C17 .1
C18 .01
C19 .01
C20 .01
C21 .01
C22 .01
C23 .01
C24 .01
C25 .1
C26 .1
C27 .1
C28 10 35V
C29 10 35V
C30 .47
C31 .001
C32 .1
C33 .1
C34 .01
C35 .01
C36 .1
C37 .1
C38 .1
C39 .1
C40 .47
L1 .47uH
L2 .47uH
L3 .47uH
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 ASSEMBL Y.
7) C21, C22, R52 AND R53 NOT USED IN ASSEMBLY. 22 AWG BUSS WIRE ADDED IN PLACE OF C21, C22, R52 AND R53.
ADC Telecommunications
REV ECO DATE APV
THIS PRINT IS THE PROPERTY OF ADC, IT SHALL NOT BE COPIED WITHOUT PERMISSION
TITLE SCH., XMTR CONTROL BD.
MATERIAL -----
FINISH -----
DWN PJK 5/27/99
CHK RE 6/4/99
REL RE 6/4/99
DWG. NO. 1061195
REV A0
D
SCALE - - -
SHEET 1 OF 1



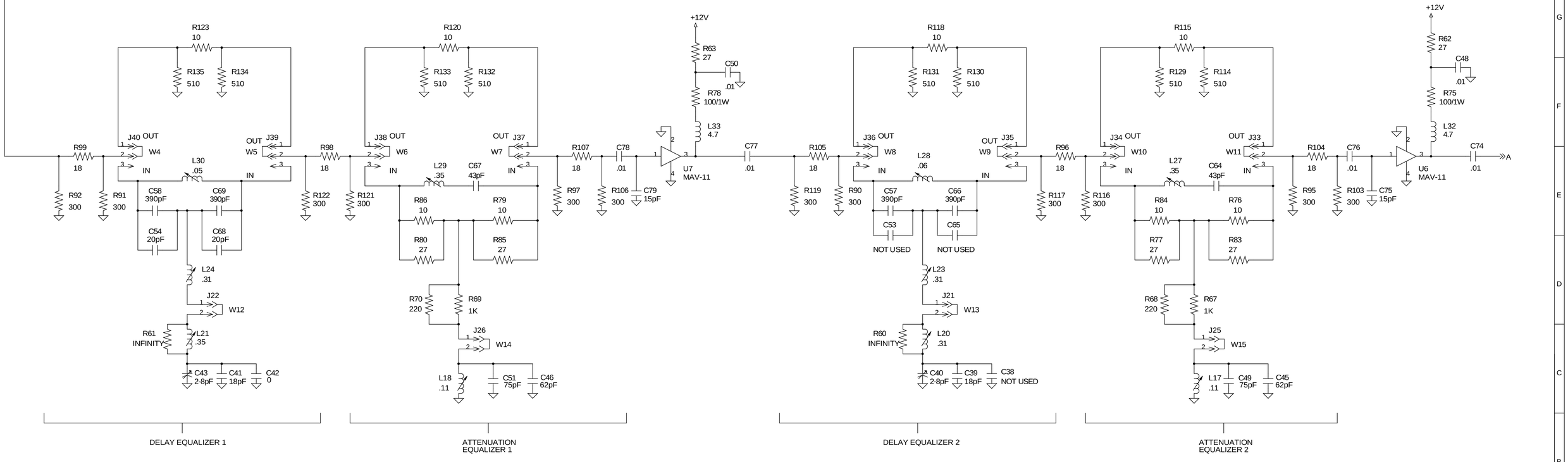


LAST USED REFERENCES

R135
J40
C80
U7
L34
W34

NOTES:

1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERW ISE NOTED.
3) ALL INDUCTORS ARE IN uH UNLESS OTH ERWISE NOTED.
4) ALL INFINITY RESISTORS ARE NOT USED IN THIS ASSEMBLY.
5) ALL 0uF CAPACITORS ARE NOT USED IN THIS ASSEMBLY.
6) ALL INFINITY COILS ARE NOT USED IN THIS ASSEMBLY.



DELAY EQUALIZER 1

ATTENUATION EQUALIZER 1

DELAY EQUALIZER 2

ATTENUATION EQUALIZER 2

CHGD C4, C16, C38, C53, C65 TO NOT USED. (PJK)

BO	20080927	4/20/01	LRT

ADC Telecommunications

REV	ECO	DATE	APV

TITLE SCH., 5 SECTION DELAY EQUALIZER, 44MHz IF (1072090)

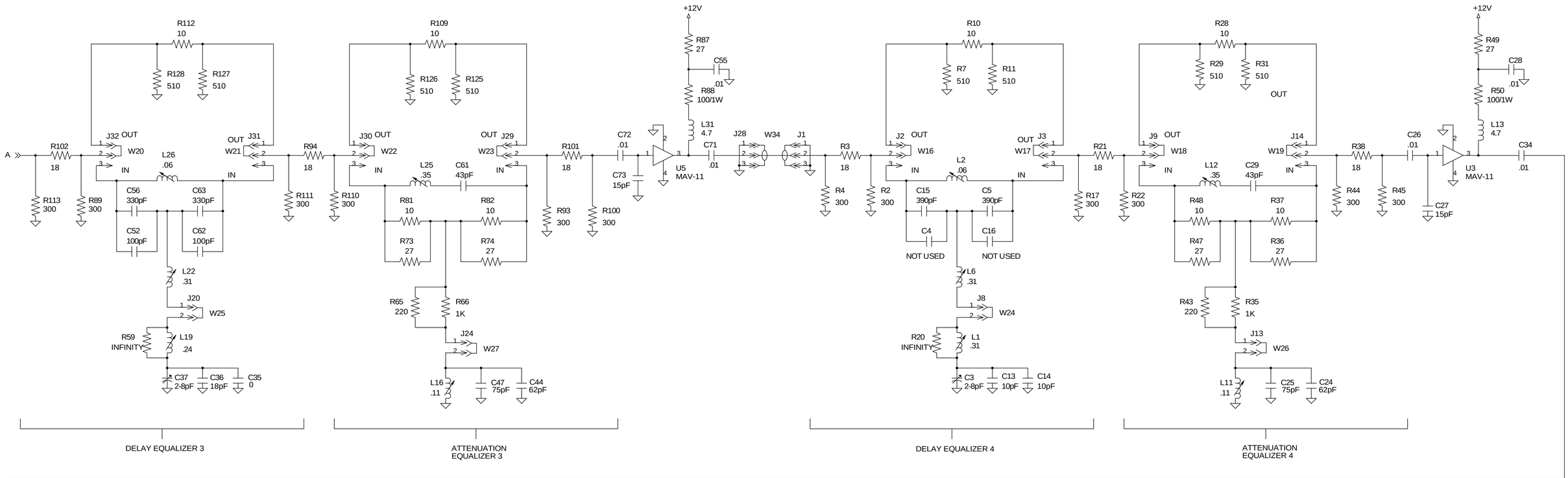
MATERIAL -----

FINISH -----

DWN	PJK	8/30/99	
CHK	DWB	9/20/99	
REL	DWB	9/20/99	D

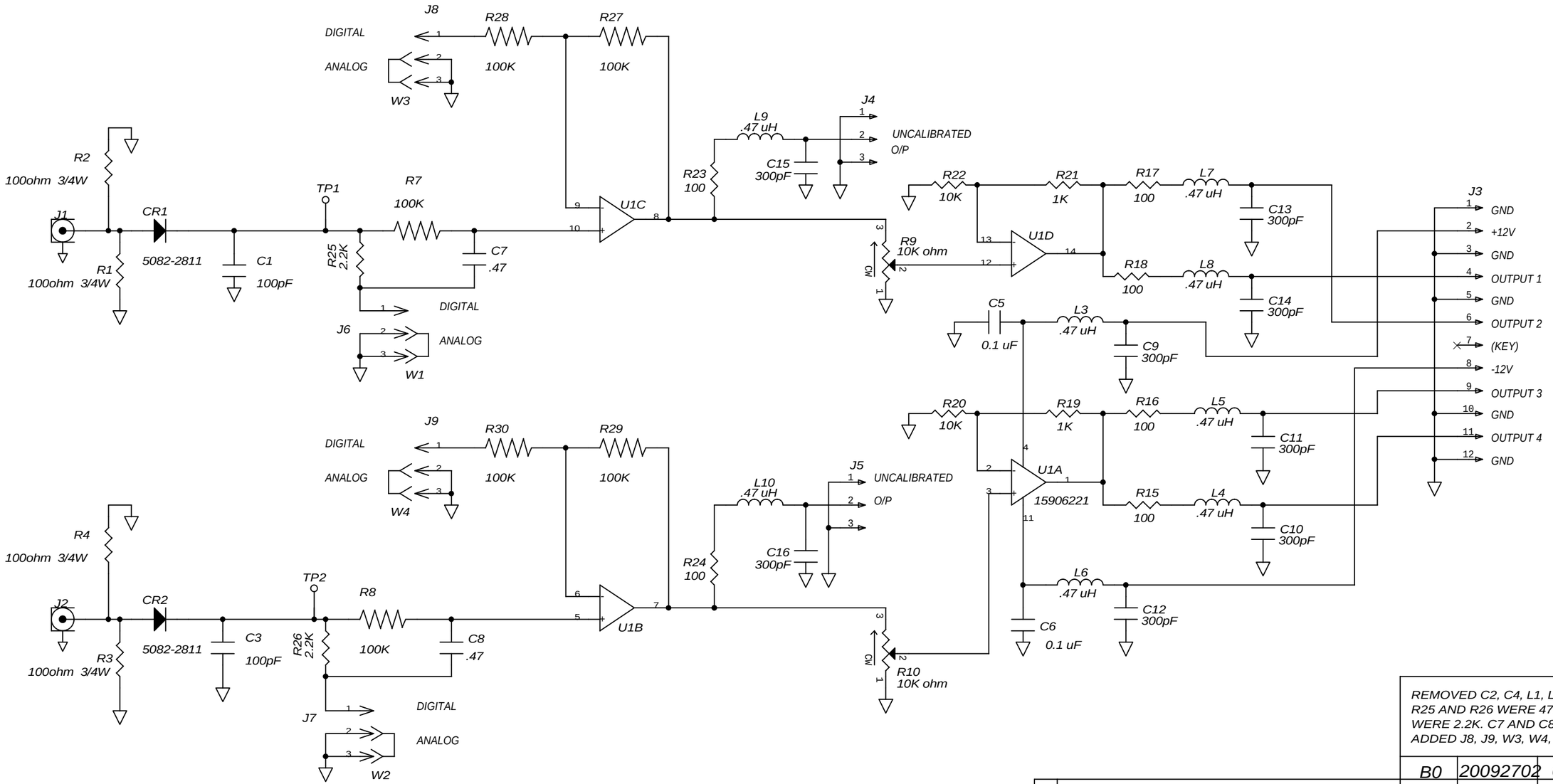
DWG. NO. 1072141 REV B0

SCALE --- SHEET 1 OF 2



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)				
ECO	MATERIAL -----		DWN	PJK	8/30/99	DWG. NO. 1072141 REV B0
	FINISH -----		CHK	DWB	9/20/99	
REV			REL	DWB	9/20/99	D SCALE --- SHEET 2 OF 2

NOTE: TP1 & TP2 ARE PROVIDED FOR FUNCTION TEST PURPOSES ONLY,
AND ARE ACCOMPLISHED BY ADDING VIA HOLE TO TOP OF PCB.



REMOVED C2, C4, L1, L2, CR3, AND CR4.
R25 AND R26 WERE 470K. R7 AND R8
WERE 2.2K. C7 AND C8 WERE .001.
ADDED J8, J9, W3, W4, R27-R30. (PJK)

REV	ECO	DATE	APV
B0	20092702	6/11/01	LRT

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MATERIAL -----

FINISH -----

TITLE **91-00-00-50B-61**
DUAL PEAK DETECTOR, SMT
(1159965)

			DWG. NO.	REV
DWN	PJK	2/23/00	1159976	B0
CHK	LRT	2/26/01		
REL	LRT	2/26/01	B	SCALE - - - SHEET 1 OF 1

Maschinell erzeugt!
Nicht manuell ändern!

Schutzvermerk nach DIN 34 beachten!
NOTE: copyright protected as in DIN 34.1

OrCAD SCHEMATIC
SN79-308
SCHEMATIC1
G:\EPROI\ORCADWSP\5379308-02\SN79-308.DSN

Detektor-
ausgang
DETECTOR OUT

X801

HF-Eingang
RF INPUT

X802

C851 *** 3)
R819 3) ***
C833 *** 3)
R816 3) ***
R818 3) ***
R800 47
V800 HSMS2800
C818 10p
R810 470k
R813 100
C800 3..10p
Z801
C819 3..10p
L801 ***
C838 100p
R821 15
R822 56
R823 15
V809 BA679
C836 10n
C837 100p
C839 5,6p
C840 100p
V810 BA679
C841 100p
L802 100nH
V811 BA679
L803 100nH
C842 10p
R835 470
R836 470
C843 10p
V812 BCX56
C844 100p
HF-Schirmgehäuse
RF COVER

R826 3,3k
R827 820
R828 820
R829 820
R830 1k
C847 100n
V806 BCW60
R831 15k
V807 4448
R824 270
R825 120
R832 820
C835 470p
C848 100n
R833 15k
V808 TL431ILP
R834 1,8k
C850 ***
Z802

R805 150
R804 150
R802 150
C802 ***
C804 15p
C805 18p
V804 MRF182 **
C801 180p
C806 10p
C807 ***
C808 6,8p
R801 33
C809 6,8p
C810 10n
C811 470p
C812 180p
V801 4448
C813 10u
R843 ***
R803 820
C828 470p
C814 100n
X804
32V
C803 100n
X803
HF-Ausgang
RF OUTPUT
Z803

C815 100n
R808 500
R809 470
R806 1,8k
C816 100n
R807 100
R812 ***
V802 6,8V
R811 1,8k
C817 220u

** 1)
R814 50

C820 100n
R817 820
V803 4448
R844 ***
C821 10u
C822 180p
C824 470p
C823 10n
C825 6,8p
R820 33
C826 6,8p
C827 ***
C829 15p
C830 18p
V805 MRF182 **
C831 10p
C832 ***
C834 180p

1)
BeO
Berylliumoxid

GAIN
CONTROL

X805

R837 10k
R838 10k
R839 10k 2)
"GAIN"
V814 4448
R840 3,3k
V813 BCW61
R841 10k
R842 470
C849 100p
C845 100p
C846 100p

* 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

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

					Datum	Name
				Bearb	22.04.98	Schenk
				Gepr.		
				Norm.	4.3.99	Nickel
02	E185	26.10.98	Sche			
01		8.5.98	Sche			
Zust.	Änderung	Datum	Name	Urspr.:		

TELEFUNKEN Sendertechnik

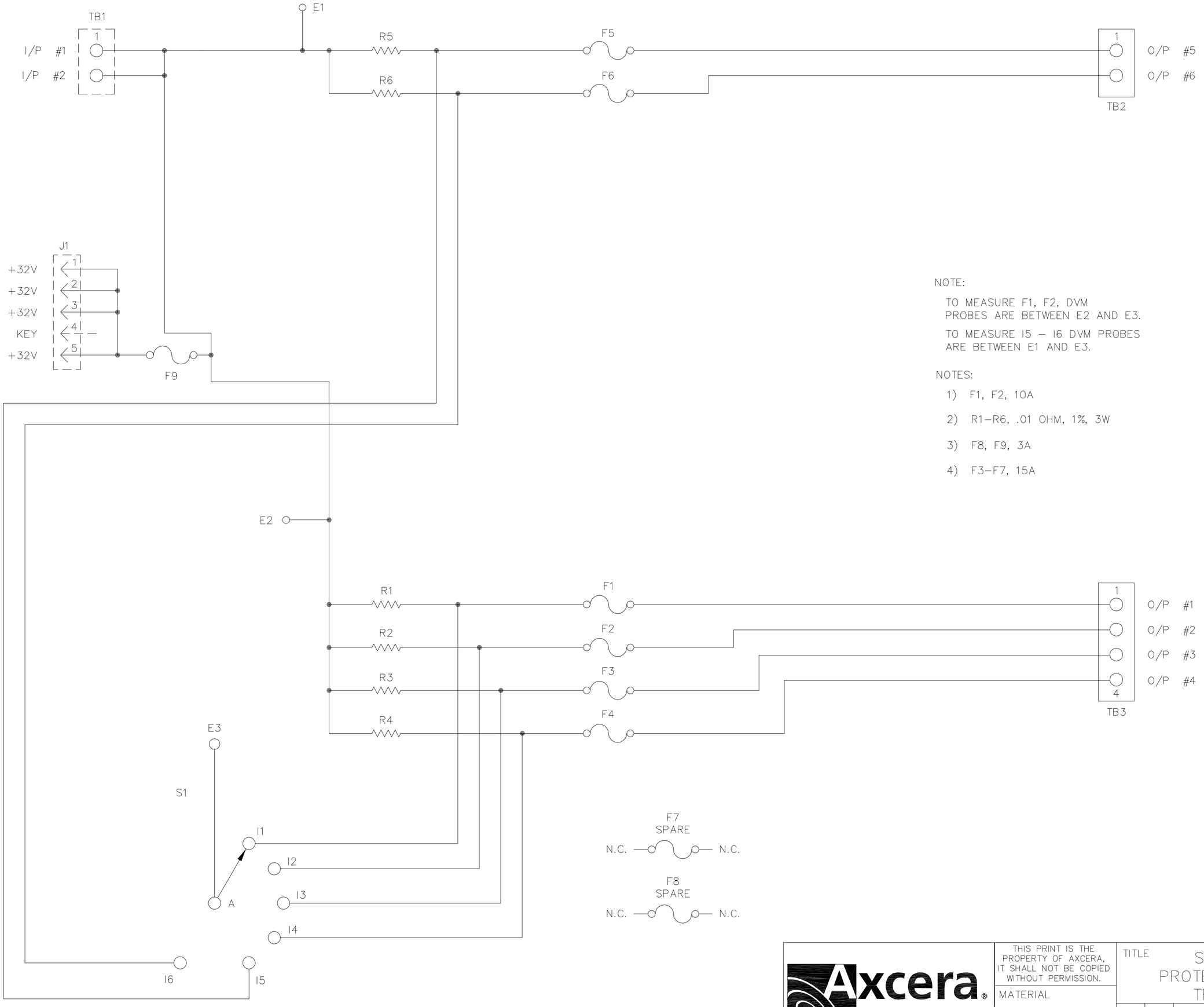
40W-Modul UHF
40W MODULE UHF

51-5379-308-00 WSP XB

Blatt 1
1 Bl.

Ers. f.:
Ers. d.:

A3L



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

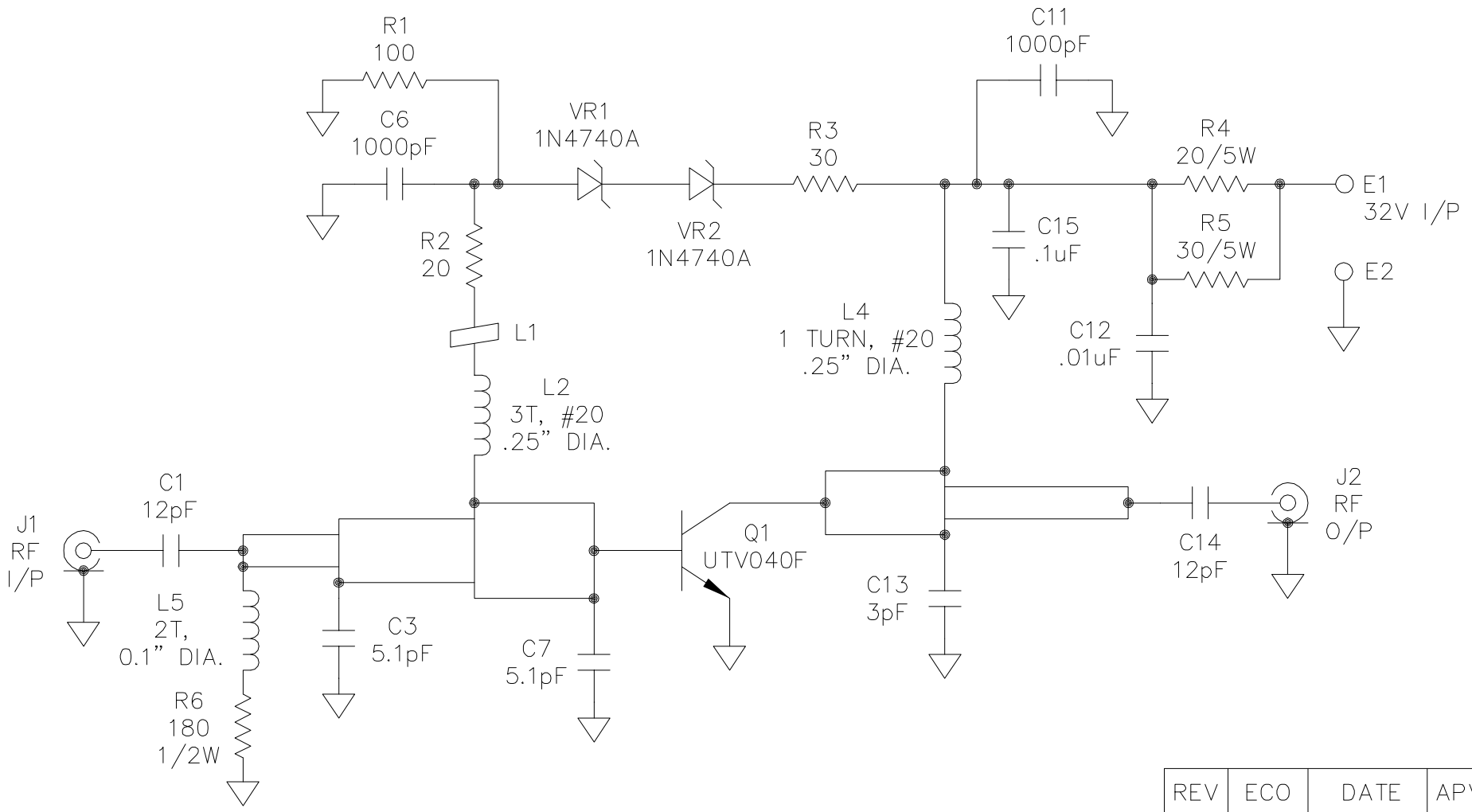
REV	ECO	DATE	APV
		CONNECTED J1–1, 2, & 3 TO J1–5 (+32V).	JKF
C0	20110562	11/19/02	LRT
		CHANGE NOTES 1 FROM F1–F7 TO F1, F2; ADD NOTE 4 "F3–F7 15A.	PWN
B0	20110472	10/02/02	LRT

MATERIAL
– – – – –

FINISH
– – – – –

TITLE
SCH., AMPLIFIER PROTECTION BD., LDMOS TRAY. (1207117)

			DWG. NO.	REV
DWN	JKF	2/20/02	1207119	C0
CHK	LRT	2/25/02		
REL	LRT	2/25/02	C SCALE – – –	SHEET 1 OF 1



REV	ECO	DATE	APV

Axcera®

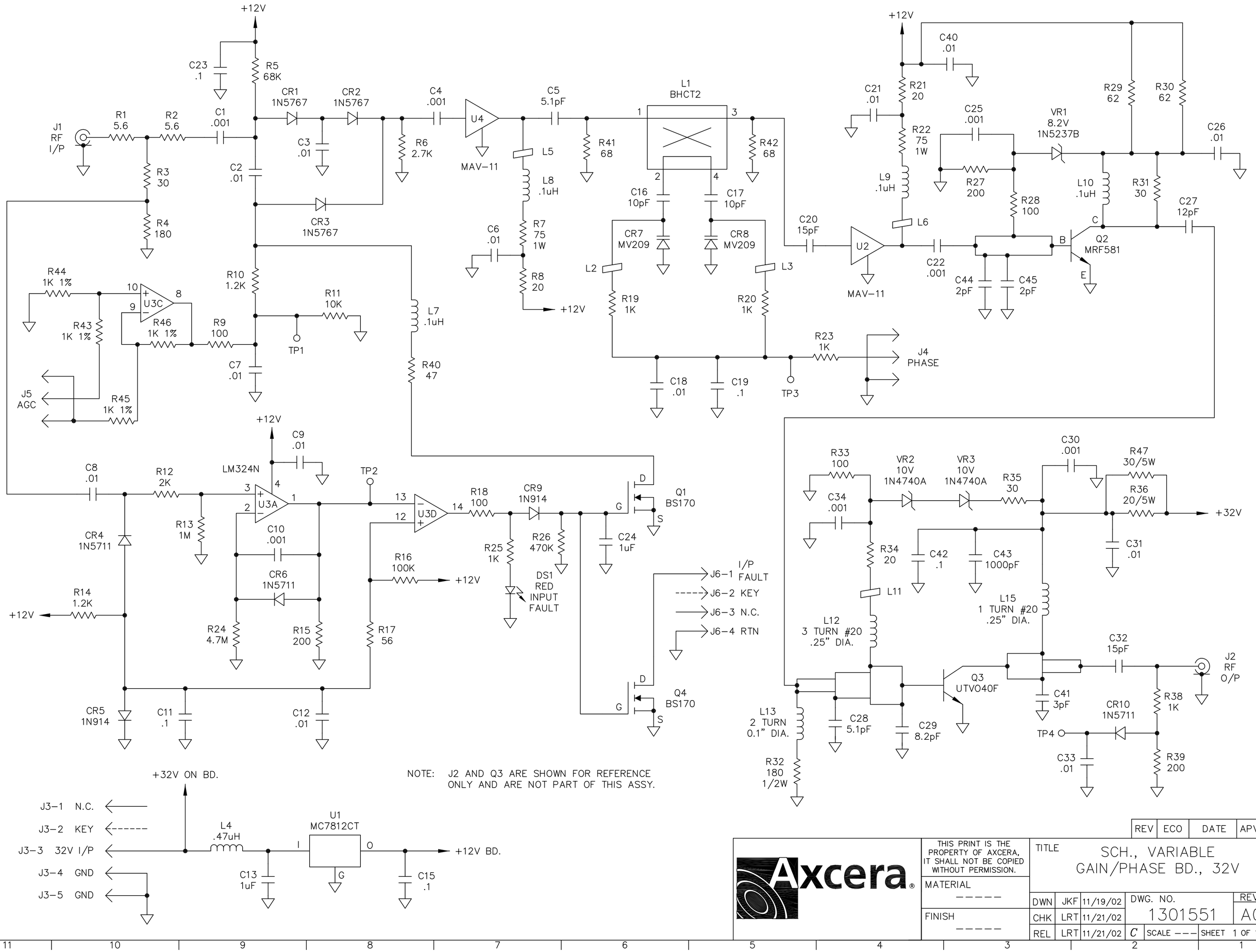
MATERIAL ------

FINISH ------

TITLE

SCH., UHF AMPLIFIER BD., 32V

			DWG. NO.	REV
DWN	JKF	11/19/02	1301550	A0
CHK	LRT	11/21/02		
REL	LRT	11/21/02	A SCALE ---	SHEET 1 OF 1



REV	ECO	DATE	APV

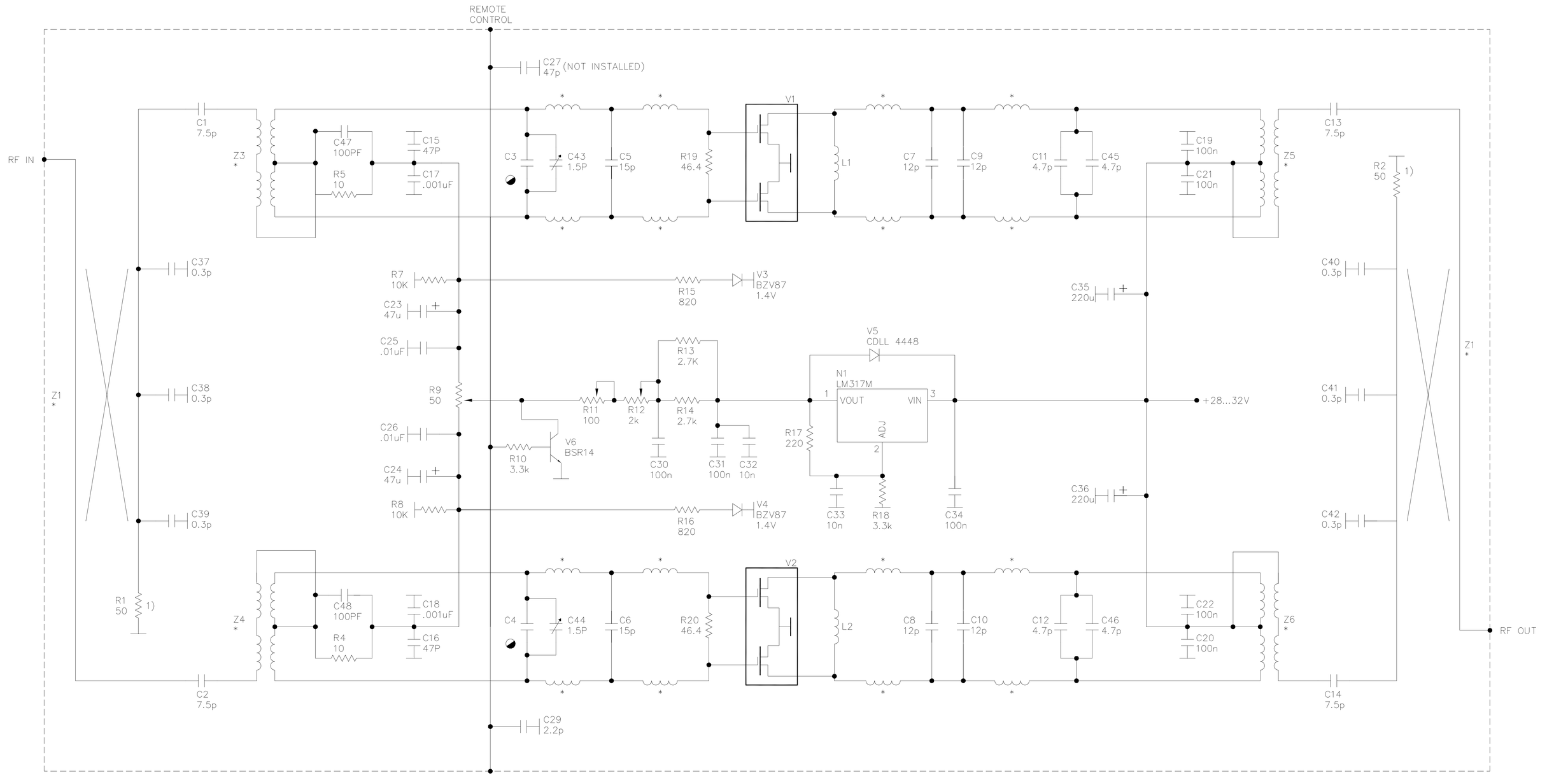
Axcera®

MATERIAL ——————

FINISH ——————

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

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



* PRINTED COMPONENT

FACTORY SET VALUE

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

REV	ECO	DATE	APV
	DELETED PTF10159 P/N FROM LDMOS. ADDED C23,C24 & C27. CDD/CR		
C0	20110221	5/17/02	RE
	R15 AND R16 WERE 680 OHMS. PWN		
B0	20100316	04/02/02	LRT

CHANGE R3 FROM A 2.2 OHM RESISTOR TO C47, SM., CAP., 100PF, 500WVDC. CHANGE R6 FROM A 2.2 OHM RESISTOR TO C48, SM., CAP., 100PF, 500WVDC. CHANGE R4 FROM A 2.2 OHM RESISTOR TO 1590600OSMT, SM., RES., 10 OHM 5% 1/8W. CHANGE R5 FROM A 2.2 OHM RESISTOR TO 1590600OSMT, SM., RES., 10 OHM 5% 1/8W. CHANGE C17 FROM A 47PF CAP, FIXED CERAMIC, 47 PF TO 1590616OSMT, SM., CAP., .001 UF, 50 WVDC. CHANGE C18 FROM A 47PF CAP, FIXED CERAMIC, 47 PF TO 1590616OSMT, 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, 1590616ISMT, SM., CAP., .01 UF, 50 WVDC. ADD C26, 1590616ISMT, SM., CAP., .01 UF, 50 WVDC. PWN

D0 20110444 09/18/02 RJ

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MATERIAL

FINISH

TITLE AMPLIFIER MODULE

DWN	PWN	04/01/02	DWG. NO. 51-5379-309-00 WSP
CHK	LRT	04/03/02	REV D0
REL	LRT	04/03/02	D SCALE SHEET 1 OF 1