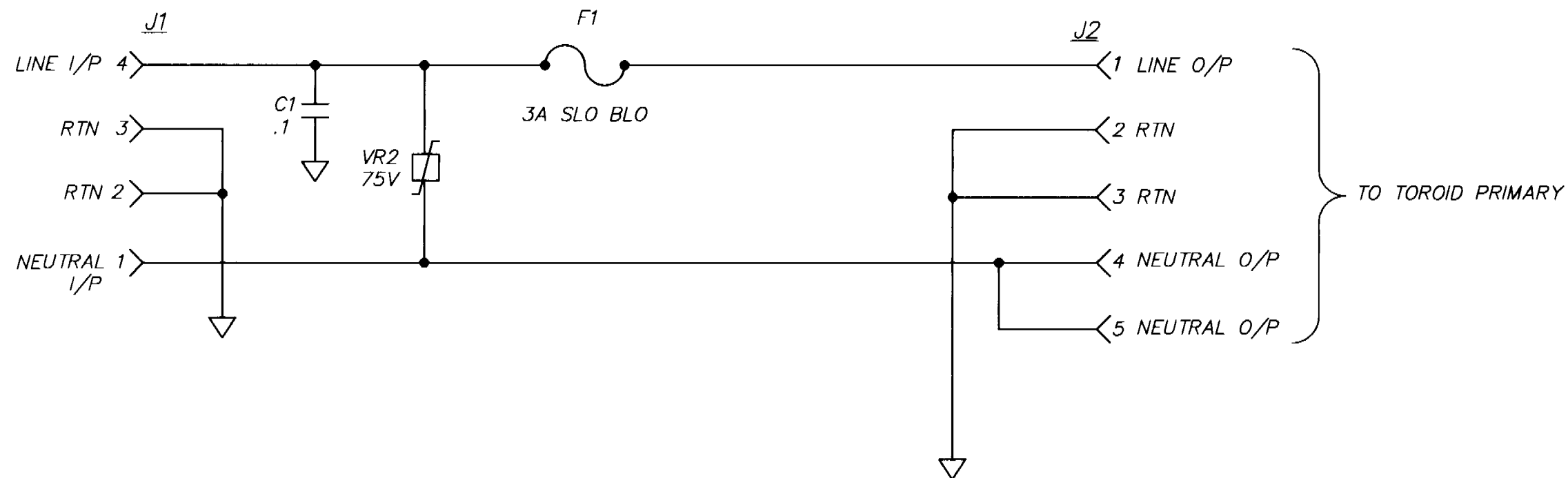
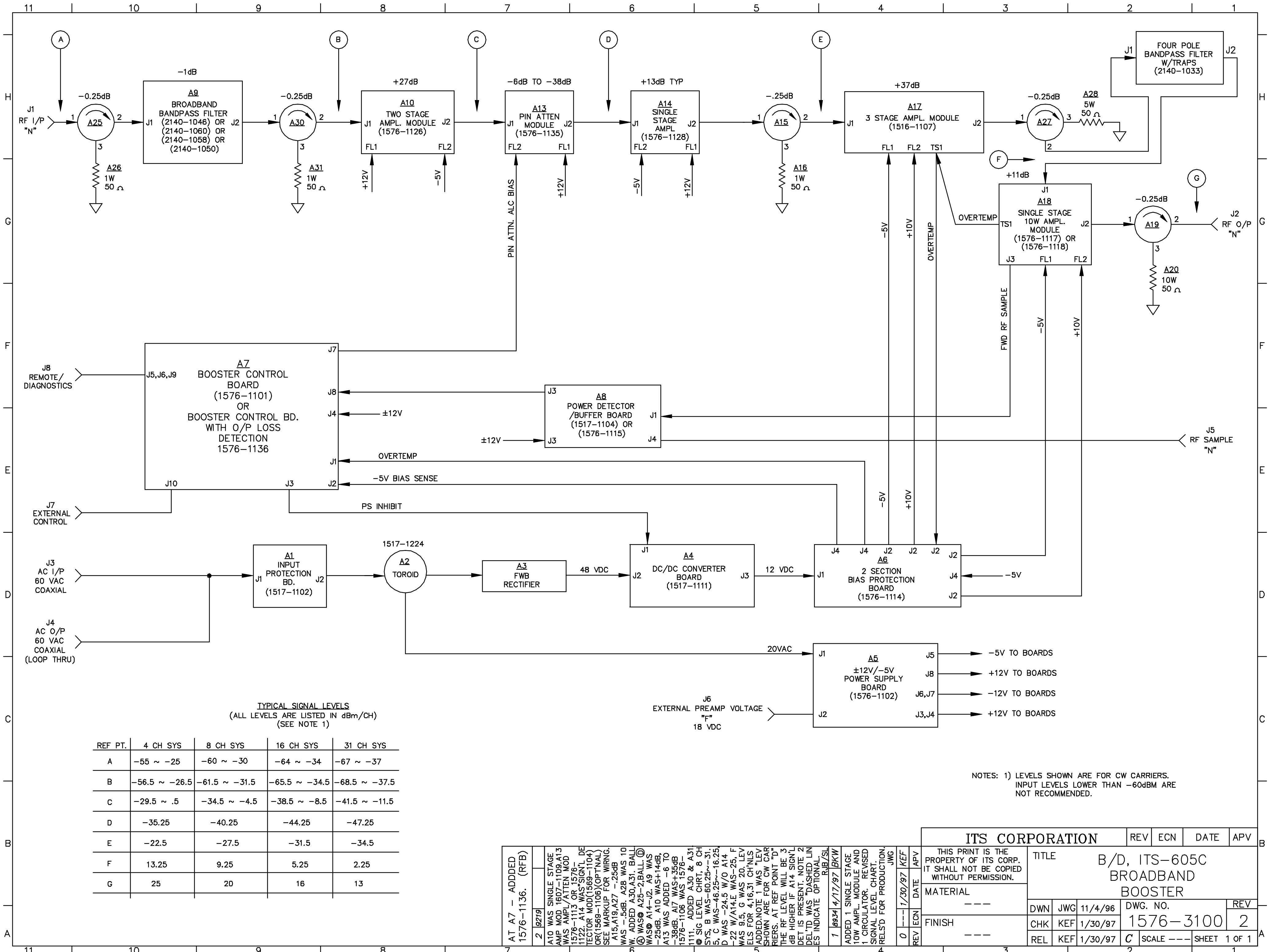




NOTE: J1 & J2 ARE SELF KEYING
"MATE-N-LOK" CONNECTORS.

ITS CORPORATION				REV	ECN	DATE	APV					
FT WAS 5A FUSE. REL FOR PROD.	SL	CHK	APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC- INPUT PROTECTION BOARD (1517-1102)				
	DATE	DATE	DATE									
	REV	ECN	REV	DWN	CML	03/02/95	DWG. NO.		REV			
	0	1015	9/1/95	CHK	CML	9/1/95	1517-3102		0			
MATERIAL				REL				CML	03/02/95	B	SCALE 1=1	SHEET 1 OF 1



TYPICAL SIGNAL LEVELS
(ALL LEVELS ARE LISTED IN dBm/CH)
(SEE NOTE 1)

REF PT.	4 CH SYS	8 CH SYS	16 CH SYS	31 CH SYS
A	-55 ~ -25	-60 ~ -30	-64 ~ -34	-67 ~ -37
B	-56.5 ~ -26.5	-61.5 ~ -31.5	-65.5 ~ -34.5	-68.5 ~ -37.5
C	-29.5 ~ .5	-34.5 ~ -4.5	-38.5 ~ -8.5	-41.5 ~ -11.5
D	-35.25	-40.25	-44.25	-47.25
E	-22.5	-27.5	-31.5	-34.5
F	13.25	9.25	5.25	2.25
G	25	20	16	13

NOTES: 1) LEVELS SHOWN ARE FOR CW CARRIERS.
INPUT LEVELS LOWER THAN -60dBm ARE
NOT RECOMMENDED.

AT A7 - ADDED
1576-1136. (RFB)

2 9/21/9

A10 WAS SINGLE STAGE
AMP MOD 1607-1109.A13
WAS AMPL/ATTEN MOD
1576-1113 OR 1576-
1122. A14 WAS SIGN'L DE
TECTOR MOD(1569-1104)
OR(1569-1106)(OPTNL)
SEE MARKUP FOR WIRNG.
A15,A19,A27 -25dB
WAS -5dB. A28 WAS 10
W. ADDED A30,A31. BALL
ⓐ WASⓐ A25-2,BALL ⓐ
WASⓐ A14-J2. A9 WAS
-25dB. A10 WAS+14dB,
A13 WAS ADDED -6 TO
-38dB. A17 WAS+35dB
1576-1106 WAS 1576-
1111. ADDED A30 & A31.
ⓐ SIG LEVEL CHRT. 8 CH
SYS. B WAS-60.25~-31.
5, C WAS-46.25~-16.25.
D WAS -24.5 W/O A14
WAS 9.5, G WAS 20. LEV
ELS FOR 4,16,31 CH'NLS
ADDED.NOTE 1 WAS "LEV
SHOWN ARE FOR CW CAR
RIERS. AT REF POINT "D"
THE RF LEVEL WILL BE 3
dB HIGHER IF A14 SIGN'L
DET IS PRESENT. NOTE 2
DEL'TD WAS "DASHED LIN
ES" INDICATE OPTIONAL

RUB/SL

7 8/34 4/17/97 B/KW

ADDED 1 SINGLE STAGE
10W AMPL. MODULE AND
1 CIRCULATOR. REVISED
SIGNAL LEVEL CHART.
RELS'D FOR PRODUCTION.

JWG

0 --- 1/30/97 KEF

REV ECN DATE APV

FINISH ---

MATERIAL ---

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PROPERTY OF ITS CORP.
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WITHOUT PERMISSION.

ITS CORPORATION

TITLE B/D, ITS-605C
BROADBAND
BOOSTER

DWN JWJG 11/4/96

CHK KEF 1/30/97

REL KEF 1/30/97

DWG. NO. 1576-3100

REV 2

SCALE ---

SHEET 1 OF 1

RECEIVE ANTENNA

RF INPUT

RF OUTPUT

PRE-AMP
+15dB GAIN
OR
+25dB GAIN
(SEE NOTE)

+18VDC

60VAC

COAXIAL

115VAC/60Hz
OR
230VAC/50Hz

EXTERNAL
POWER
SUPPLY

"N"

"N"

"F"

"N"

"N"

J2

J6

J1

J3

RF OUTPUT

PREAMP POWER

RF INPUT

AC INPUT

ITS-605C

TRANSMIT ANTENNA
ITS-650 (VERT. OR HORIZ.)

NOTE: THE +25dB GAIN PREAMP IS
USED IN PLACE OF THE +15dB
GAIN PREAMP FOR SYSTEMS HAVING
4 CHANNELS OR LESS.

ITS CORPORATION

REV

ECN

DATE

APV

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WITHOUT PERMISSION.

TITLE INTERCONNECT -
SYSTEM, ITS-605C MULTI-
CHANNEL BOOSTER, MMDS

MATERIAL

FINISH

DWN GK 1/29/97

CHK KRF 1/30/97

REL KRF 1/30/97

DWG. NO.

1576-8000

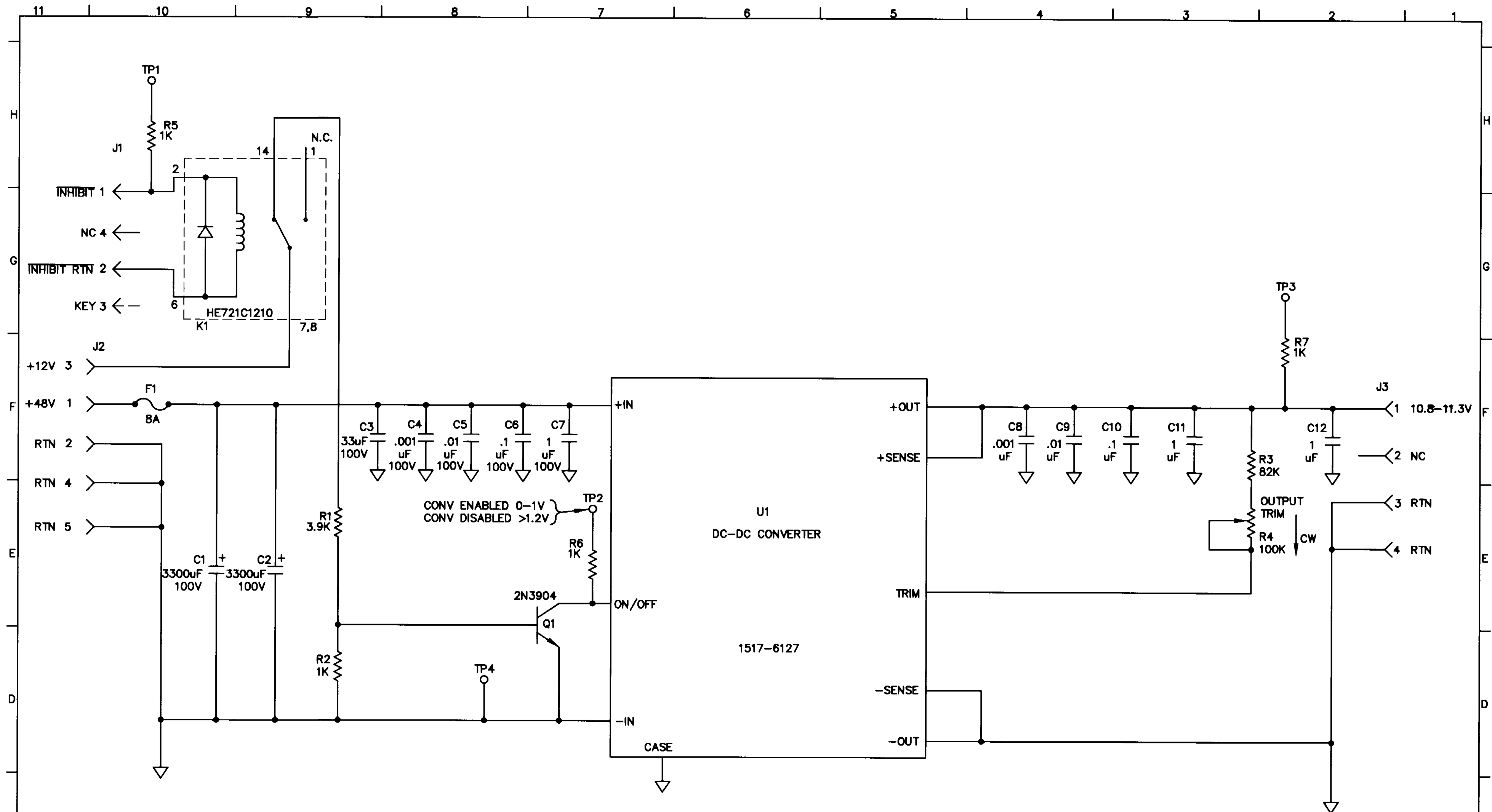
REV

0

B

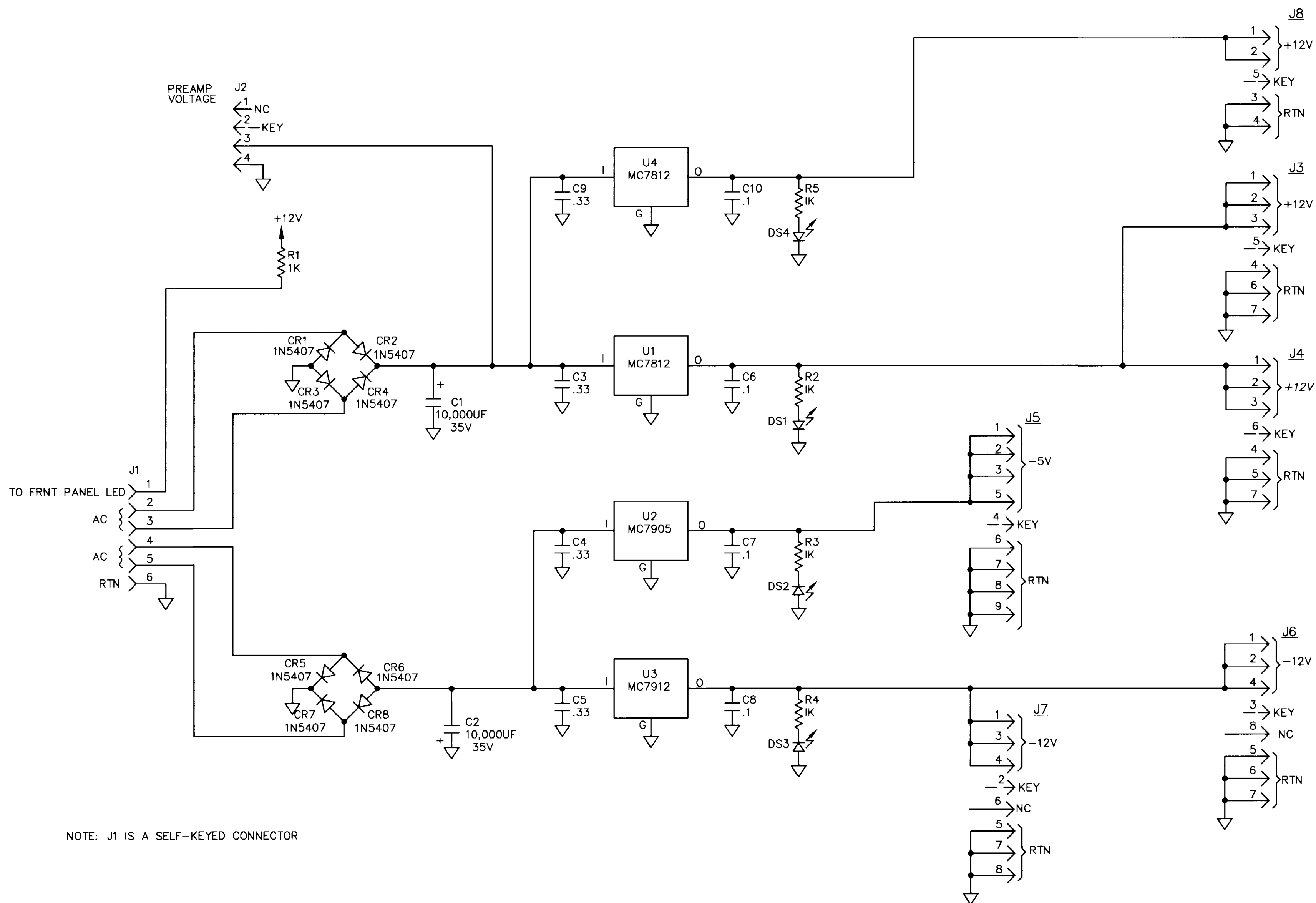
SCALE---

SHEET 1 OF 1

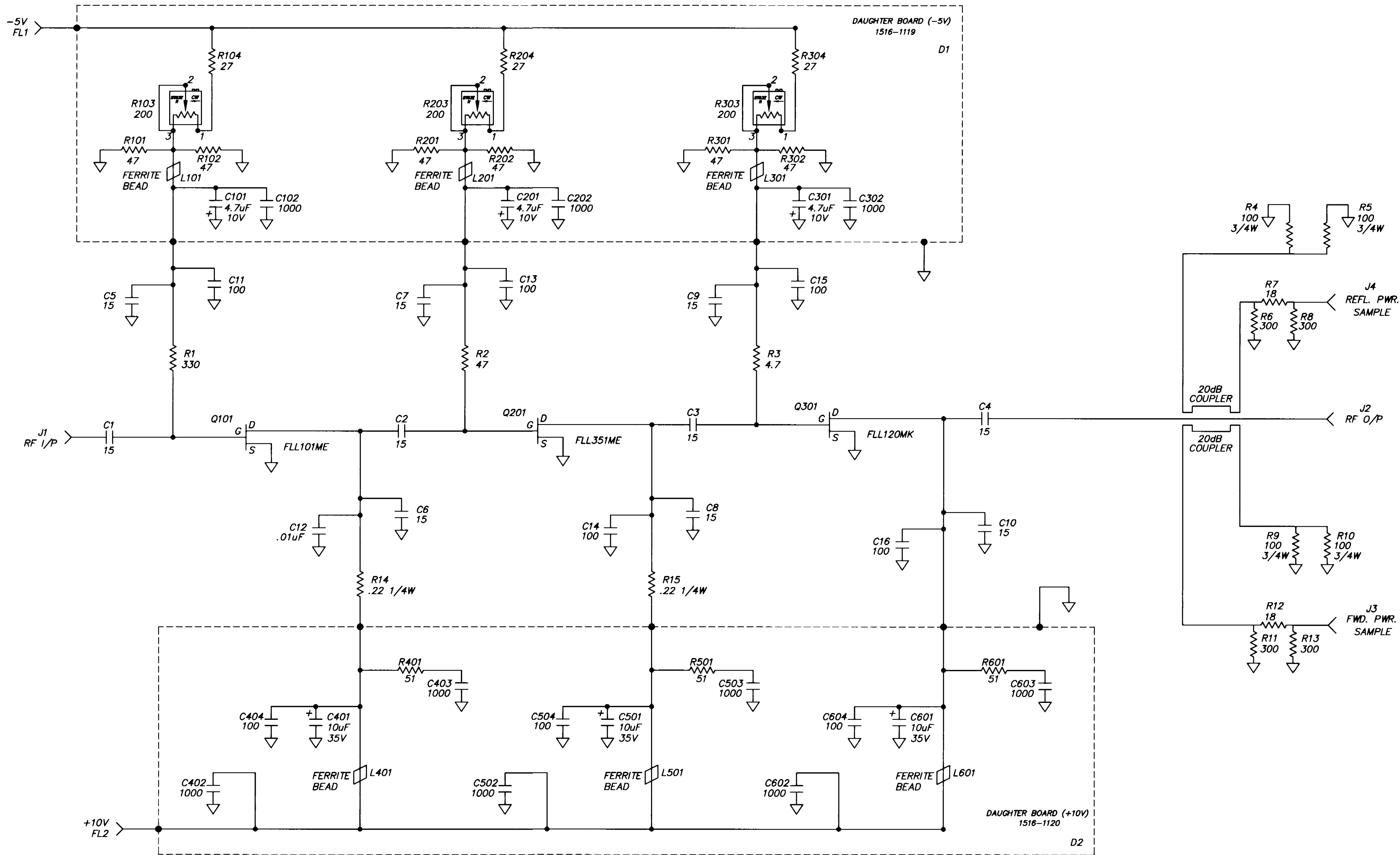


NOTE: J2 & J3 ARE SELF-KEYED CONNECTORS.

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
MATERIAL				SCHEMATIC			
FINISH				DC-DC CONVERTER BD.			
R3 WAS 147K.(MAS)				(1517-1111)			
2 1000 9/13/97 DW				DWN	RCB	3/21/95	DWG. NO.
CHG Q1 FROM				CHK	GJP	8/14/95	1517-3111
2N2222 TO 2N3904,				REL	GJP	9/12/95	2
AND ADDED LOGIC				SCALE			
NOTES.				SHEET 1 OF 1			

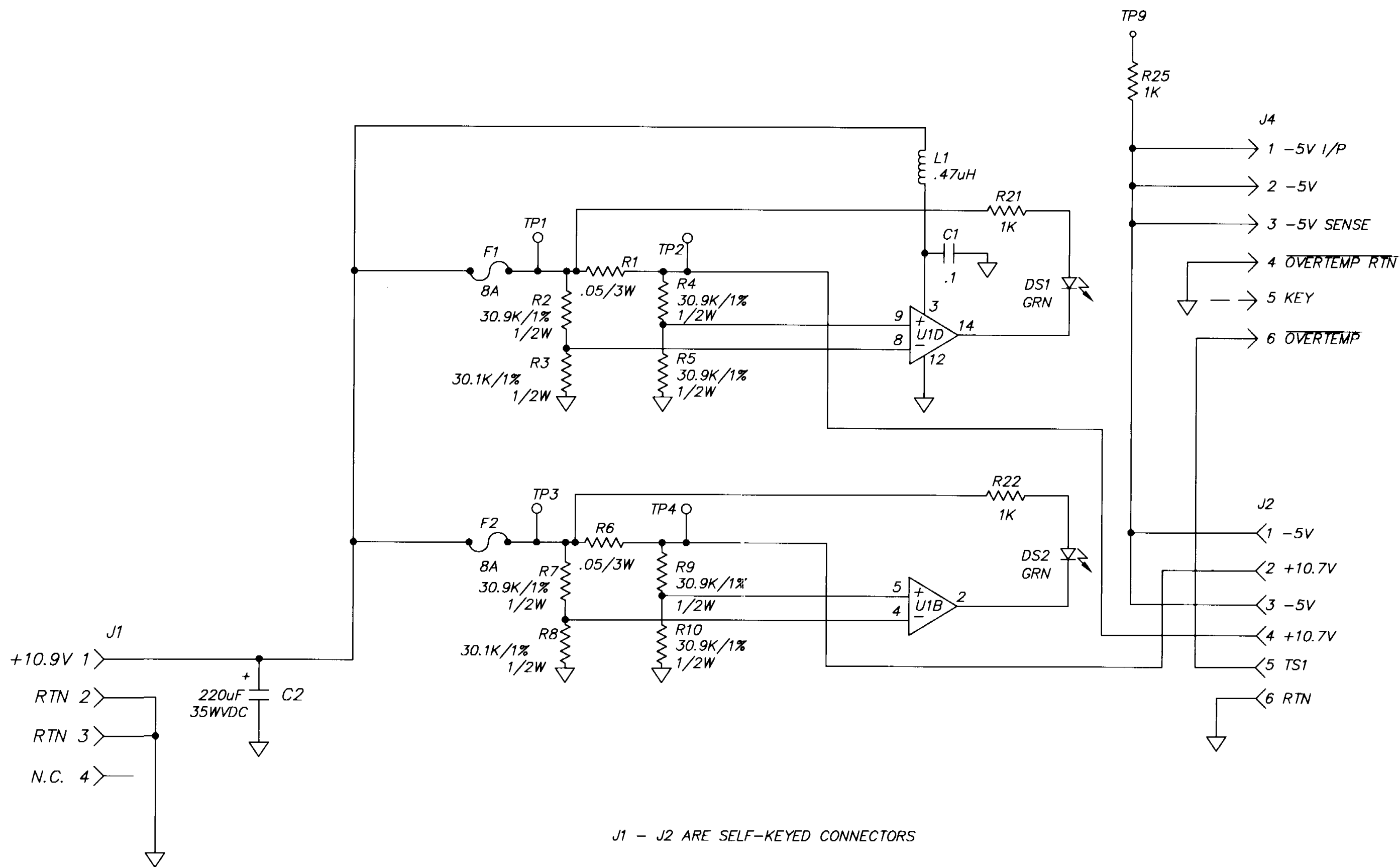


ITS CORPORATION				REV	ECN	DATE	APV
REV	ECN	DATE	APV	THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.			
	MATERIAL			TITLE			
	FINISH			SCHEMATIC			
				±12V/-5V POWER SUPPLY BOARD			
DWN	JWG	11/8/96	DWG. NO.	1576-3102			
CHK	KEF	11/8/96	REL	0			
REL	KEF	11/8/96	SCALE	SHEET 1 OF 1			

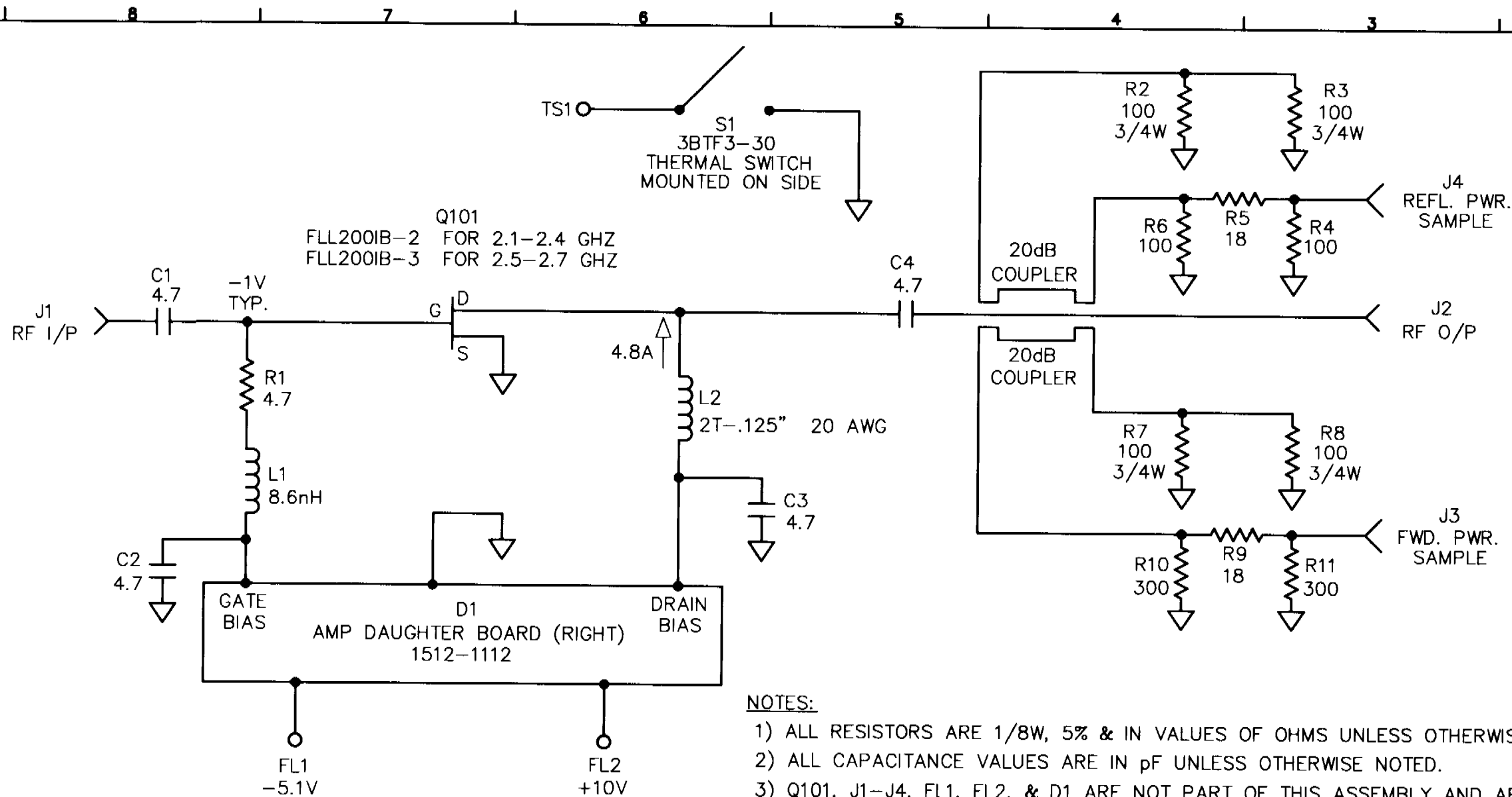


- NOTES:**
1. ALL RESISTORS ARE 1/8W, 5% UNLESS NOTED.
 2. ALL CAPACITANCE VALUES ARE IN pF. ALL RESISTANCE VALUES ARE IN ohms. UNLESS OTHERWISE NOTED.
 3. BLACK BAND INDICATES NEGATIVE POLARITY ON 10uF 35V ALUMINUM ELECTROLYTIC CAPACITOR. BAND INDICATES POSITIVE POLARITY ON 4.7uF 10V TANTALUM ELECTROLYTIC CAPACITOR.

ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE SCHEMATIC, 3 STAGE 8W AMPLIFIER ASSY. (1516-1107)			
MATERIAL				DWN	CAS	4/11/95	DWG. NO.
FINISH				CHK	DJU	4/11/95	1516-3107 1
				REL	DJU	4/11/95	D SCALE--- SHEET 1 OF 1



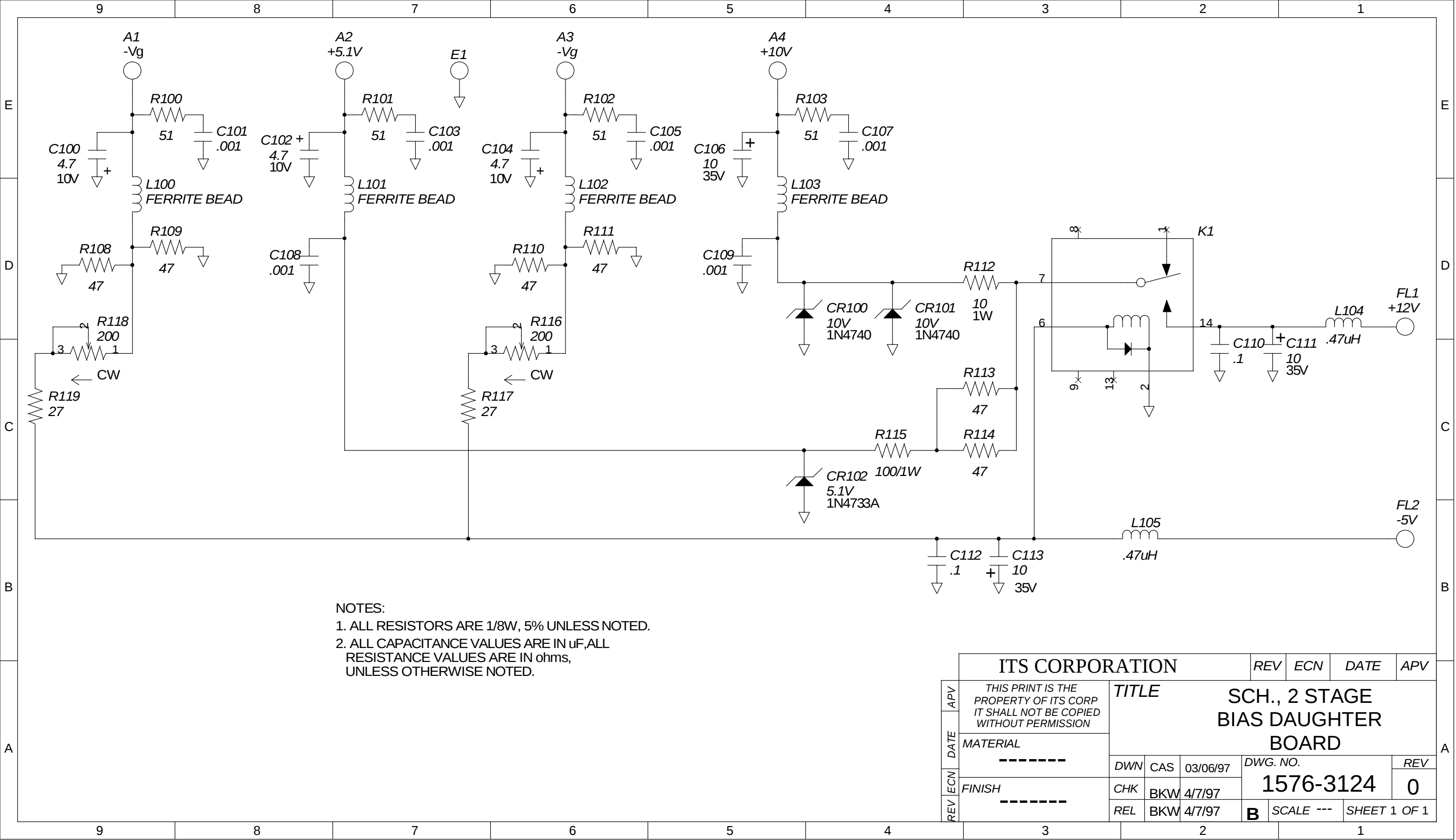
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
				SCH., 2 SECTION BIAS PROTECTION BD. (1576-1114)			
REV	ECN	DATE	APV	DWN	JKF	1/17/97	DWG. NO.
FINISH	CHK	REF	1/17/97	REL	REF	1/17/97	1576-3114
				SCALE --- SHEET 1 OF 1			

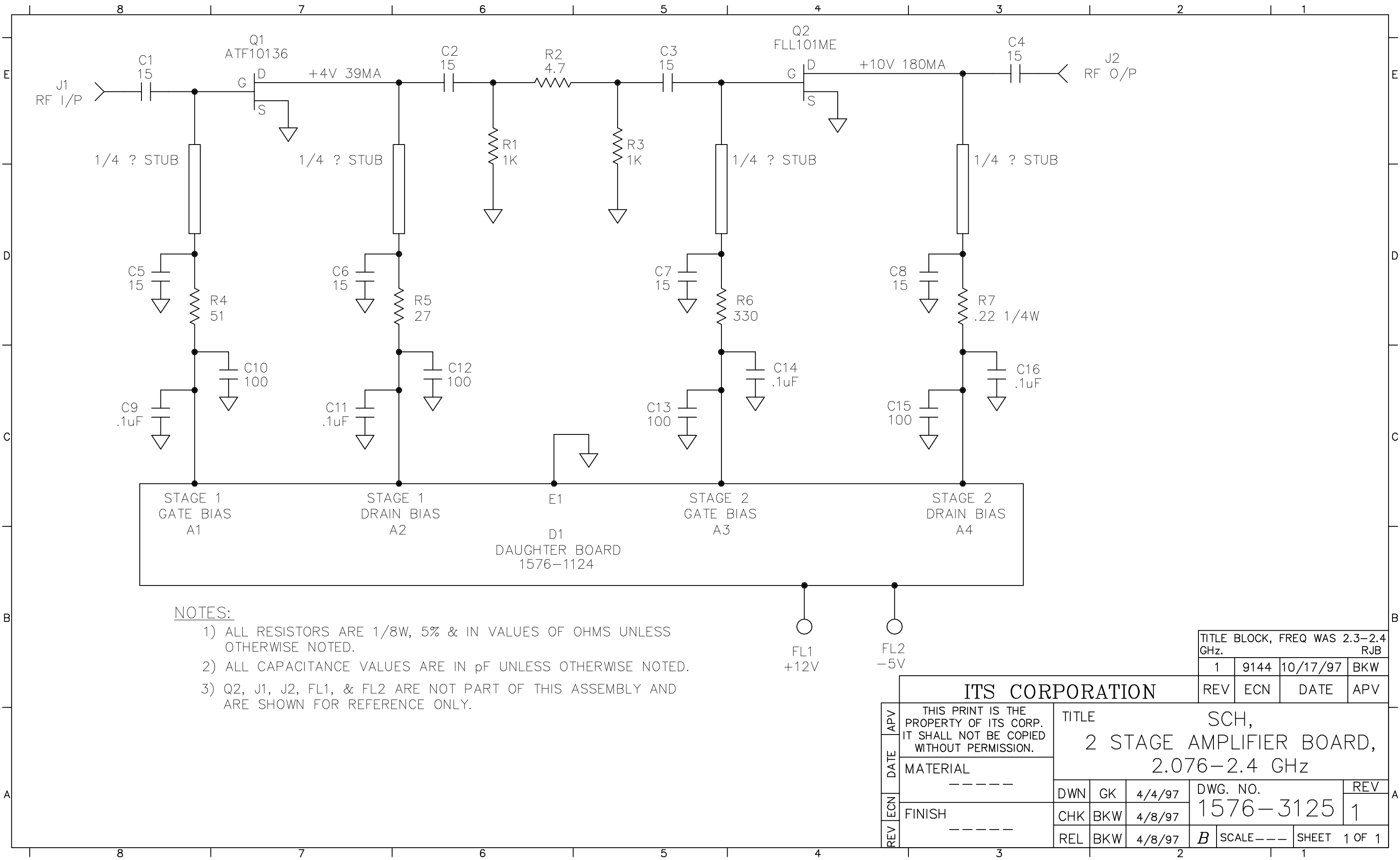


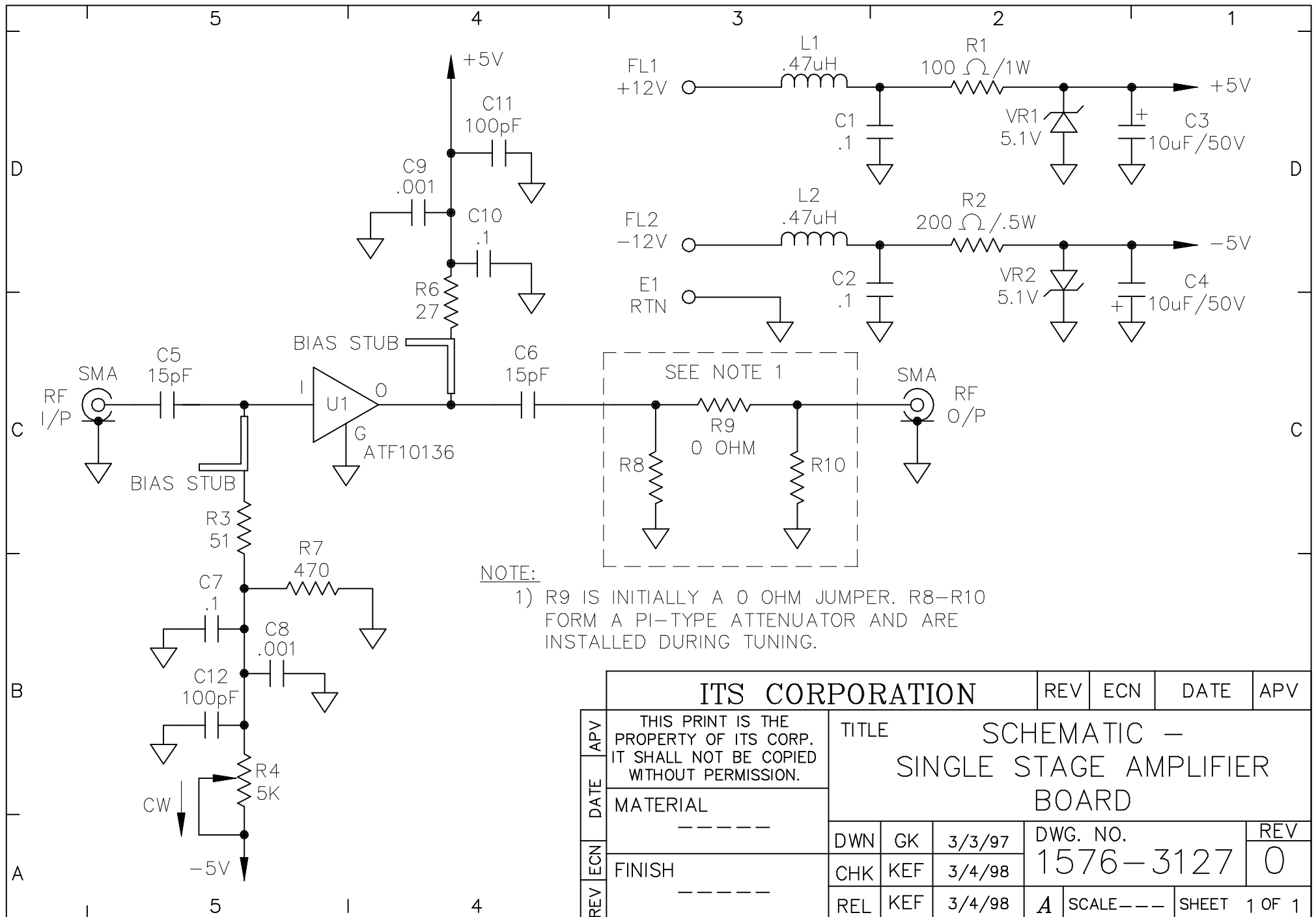
NOTES:

- 1) ALL RESISTORS ARE 1/8W, 5% & IN VALUES OF OHMS UNLESS OTHERWISE NOTED.
- 2) ALL CAPACITANCE VALUES ARE IN pF UNLESS OTHERWISE NOTED.
- 3) Q101, J1-J4, FL1, FL2, & D1 ARE NOT PART OF THIS ASSEMBLY AND ARE SHOWN FOR REFERENCE ONLY.

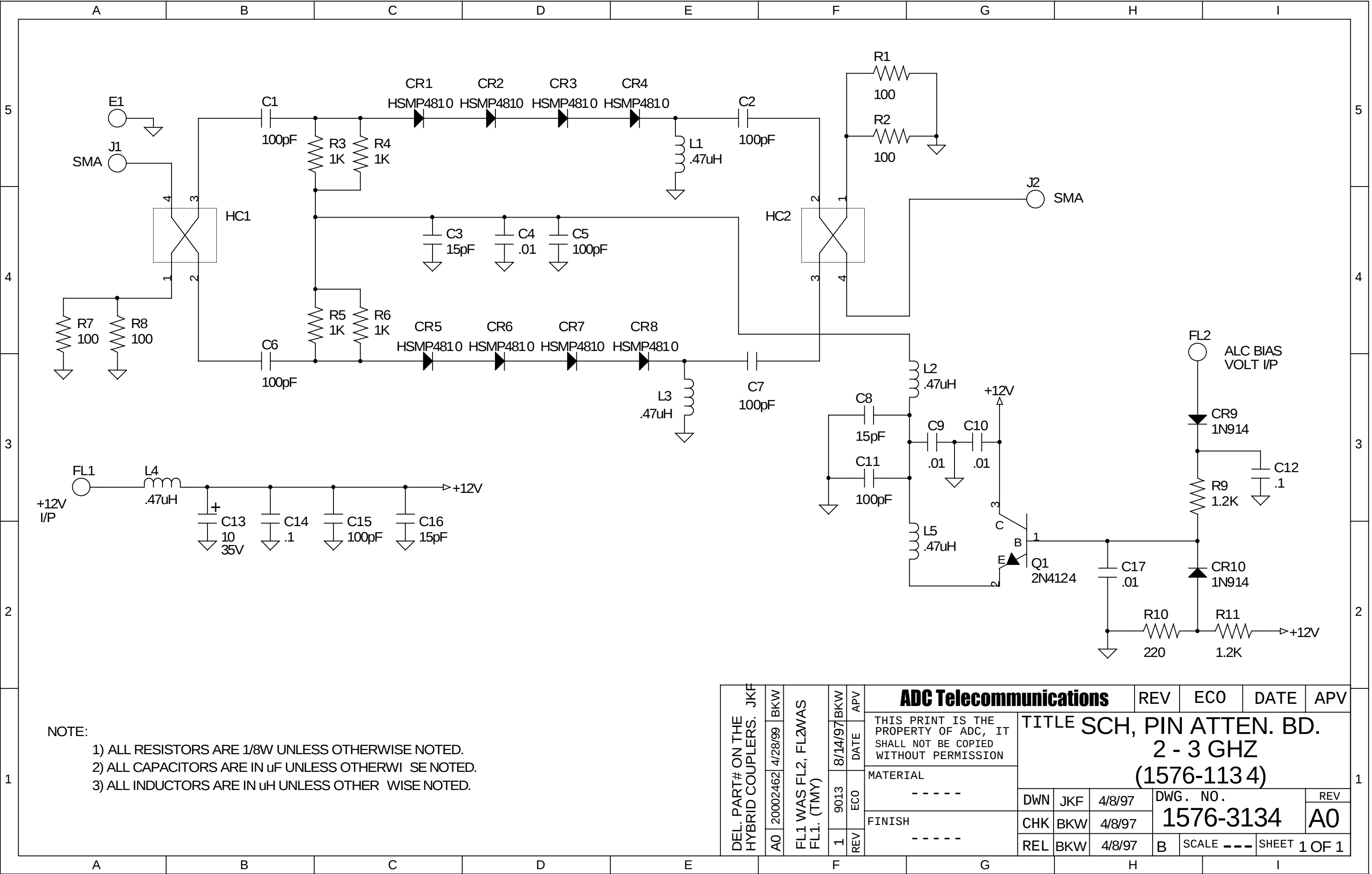
ITS CORPORATION				REV	ECN	DATE	APV
THIS PRINT IS THE PROPERTY OF ITS CORP. IT SHALL NOT BE COPIED WITHOUT PERMISSION.				TITLE			
				SCH, SINGLE STAGE 10W AMPLIFIER BOARD			
C1 THRU C4 WERE 15pF. ADDED L1 & L2 VALUES. (TMY)	REV	ECN	DATE	APV	DWN	GK	4/8/97
	1	8994	5/15/97	8kx/	CHK	DPK	4/11/97
	FINISH				REL	DPK	4/11/97
				DWG. NO.		REV	
				1576-3116		1	
				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			
				SCHEMATIC – SINGLE STAGE AMPLIFIER BOARD			
REV	ECN	DATE	APV	DWN	GK	3/3/97	DWG. NO.
				CHK	KEF	3/4/98	1576-3127
				REL	KEF	3/4/98	A
				SCALE---		SHEET 1 OF 1	



NOTE:
1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN μ F UNLESS OTHERWISE NOTED.
3) ALL INDUCTORS ARE IN μ H UNLESS OTHERWISE NOTED.

DEL. PART# ON THE HYBRID COUPLERS. JKF				BKW		FL1 WAS FL2, FL2WAS FL1. (TMY)		BKW		ADC Telecommunications		REV		ECO		DATE		APV					
				4/28/99				8/14/97				THIS PRINT IS THE PROPERTY OF ADC, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE SCH, PIN ATTEN. BD. 2 - 3 GHZ (1576-1134)									
				20002462				9013				MATERIAL - - - - -											
				A0				REV				1		ECO		DATE		FINISH - - - - -		DWN		JKF	
												CHK		BKW		4/8/97							
												REL		BKW		4/8/97		B		SCALE - - -		SHEET 1 OF 1	

