

DENON

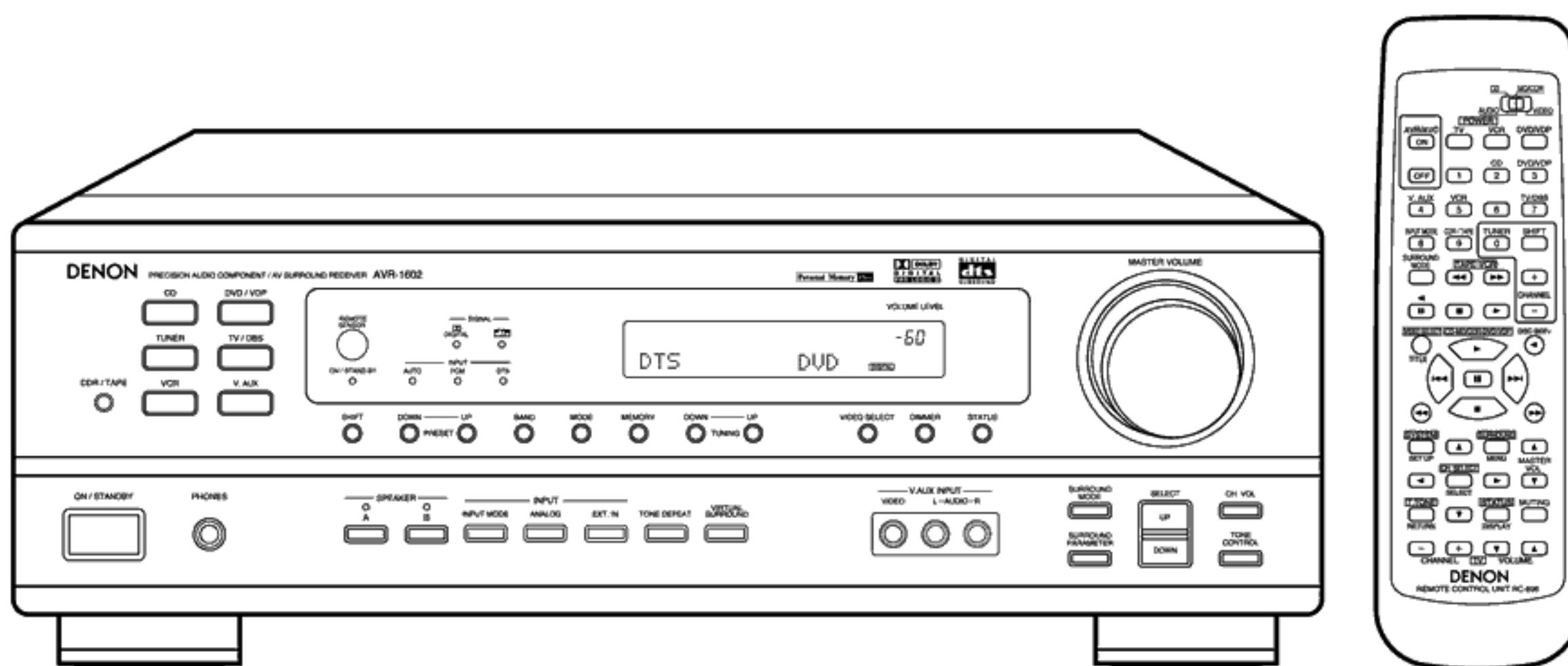
For U.S.A., Canada, Europe,
Asia, China, Hong Kong &
Taiwan R.O.C. model

Hi-Fi Component

SERVICE MANUAL

MODEL AVR-1602/682

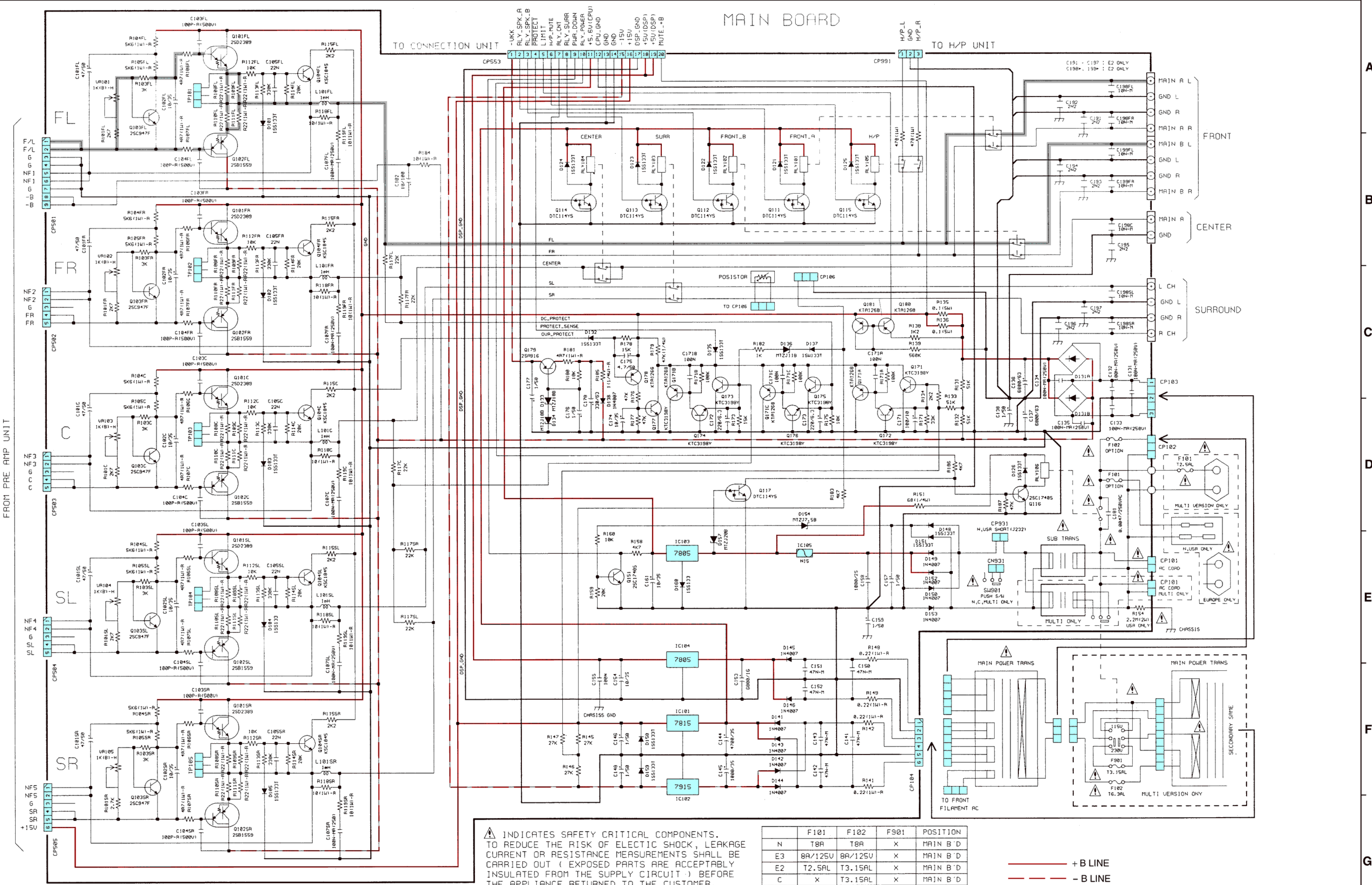
AV SURROUND RECEIVER



● Some illustrations using in this service manual are slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

14-14, AKASAKA 4-CHOME, MINATO-KU, TOKYO 107-8011 JAPAN
Telephone: 03 (3584) 8111



NOTICE
 ALL RESISTANCE VALUES IN OHM. K=1,000 OHM M=1,000,000 OHM
 ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
 EACH VOLTAGE AND CURRENT ARE MEASURED AT MO SIGNAL INPUT
 CONDITION.
 CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
 NOTICE.

⚠ INDICATES SAFETY CRITICAL COMPONENTS.
 TO REDUCE THE RISK OF ELECTRIC SHOCK, LEAKAGE
 CURRENT OR RESISTANCE MEASUREMENTS SHALL BE
 CARRIED OUT (EXPOSED PARTS ARE ACCEPTABLY
 INSULATED FROM THE SUPPLY CIRCUIT) BEFORE
 THE APPLIANCE RETURNED TO THE CUSTOMER.

WARNING:
 Parts marked with this symbol ⚠ have critical characteristics.
 Use ONLY replacement parts recommended by the manufacture.

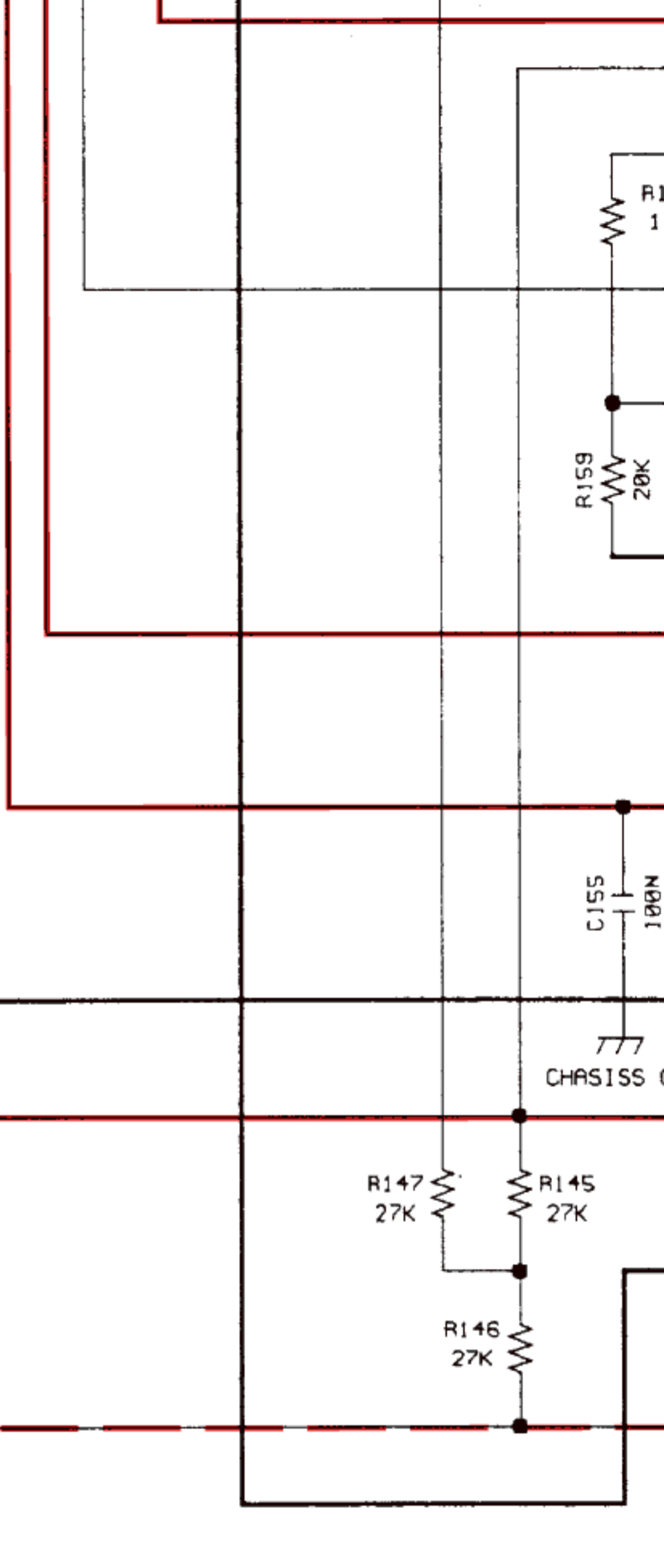
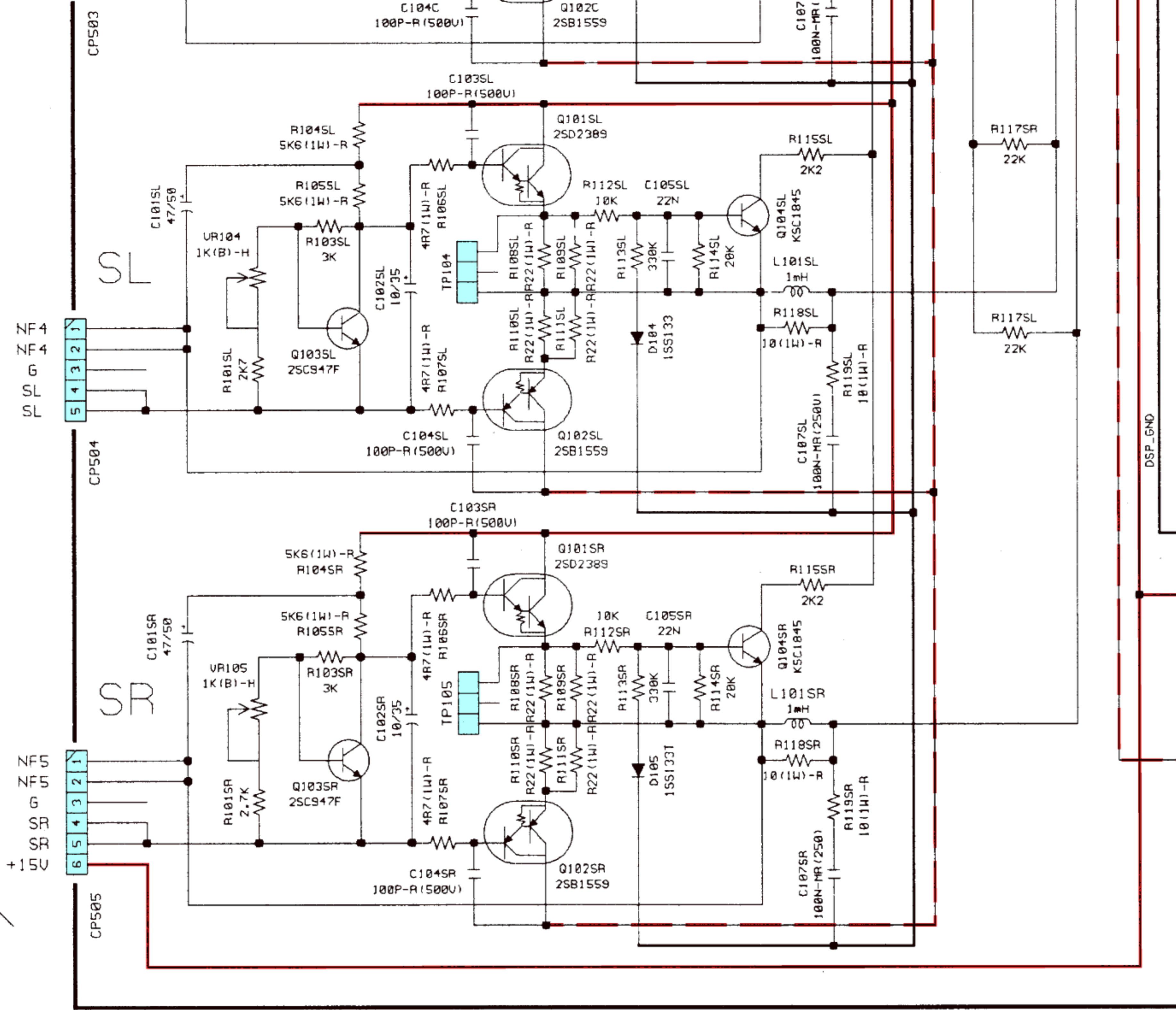
CAUTION:
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 leakage current check or (2) a line to chassis resistance check. If the leakage
 current exceeds 0.5 milliamps, or if the resistance from chassis to either side
 of the power card is less than 460kohms, the unit is defective.

WARNING:
 DO NOT return the unit to the customer until the problem is located and
 corrected.

	F101	F102	F901	POSITION
N	T8A	T8A	X	MAIN B'D
E3	8A/125V	8A/125V	X	MAIN B'D
E2	T2.5AL	T3.15AL	X	MAIN B'D
C	X	T3.15AL	X	MAIN B'D
H,T,E1	T2.5AL	T6.3AL	T3.15AL	U. SEL B'D

— + B LINE
 - - - - - B LINE
 ——— SIGNAL LINE

FROM

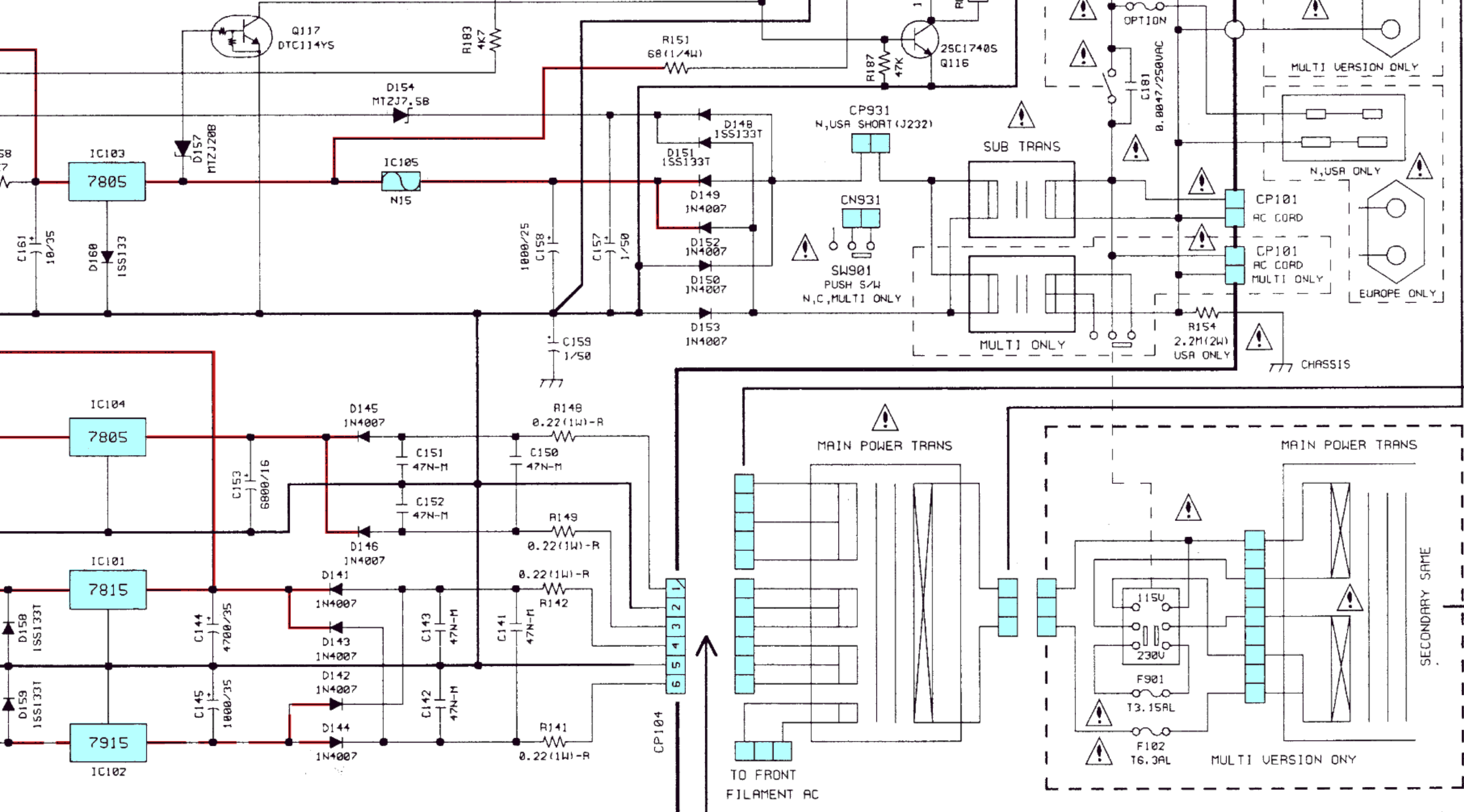


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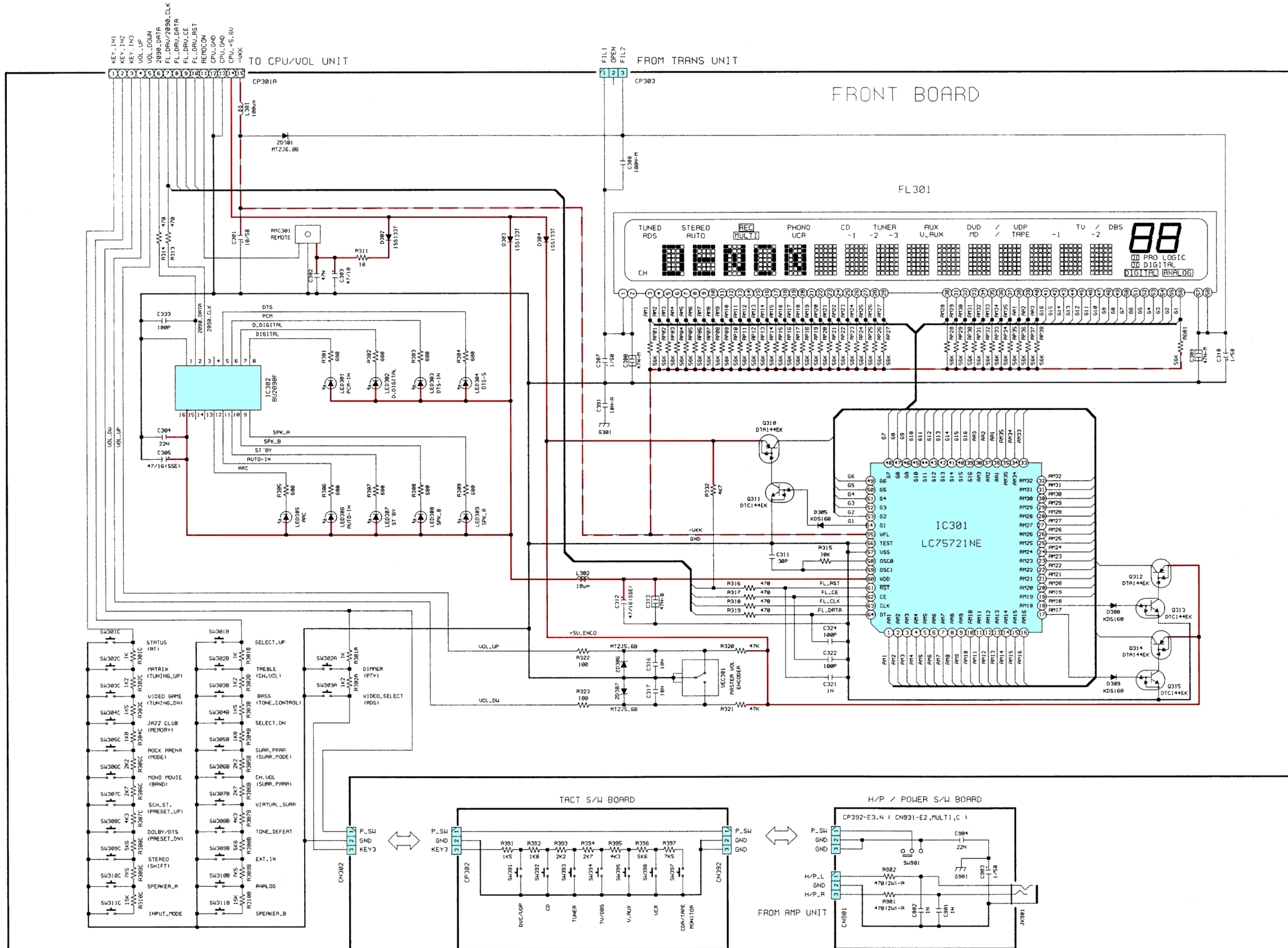
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SCHEMATIC DIAGRAMS(5/7) MAIN P.W.B. UNIT



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— + B LINE
 - - - - - B LINE

SCHEMATIC DIAGRAMS(6/7)

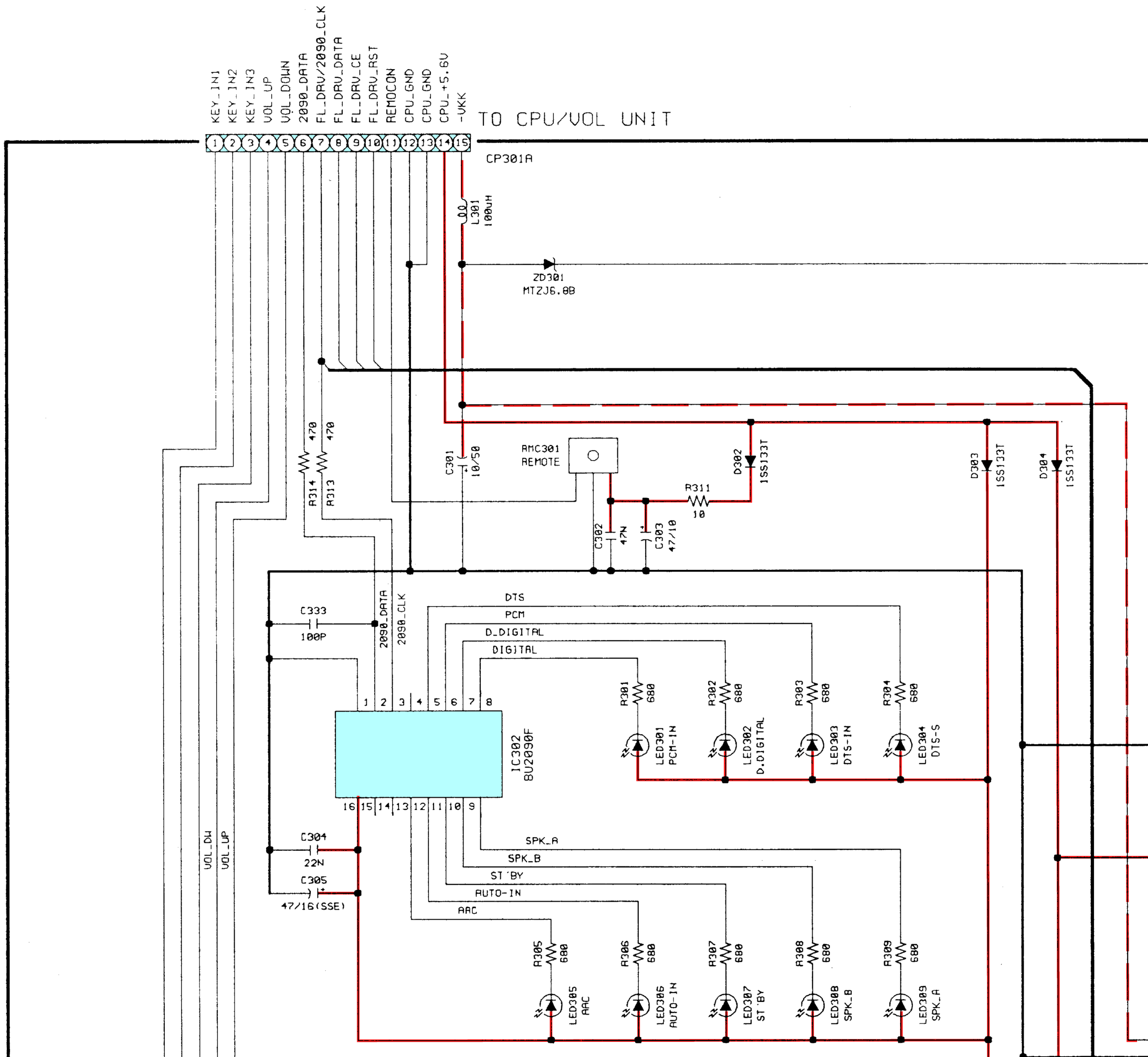
1

2

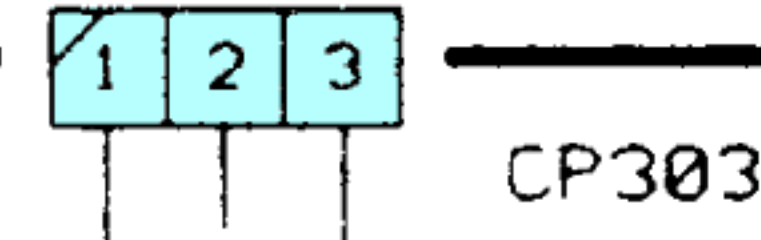
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4

5

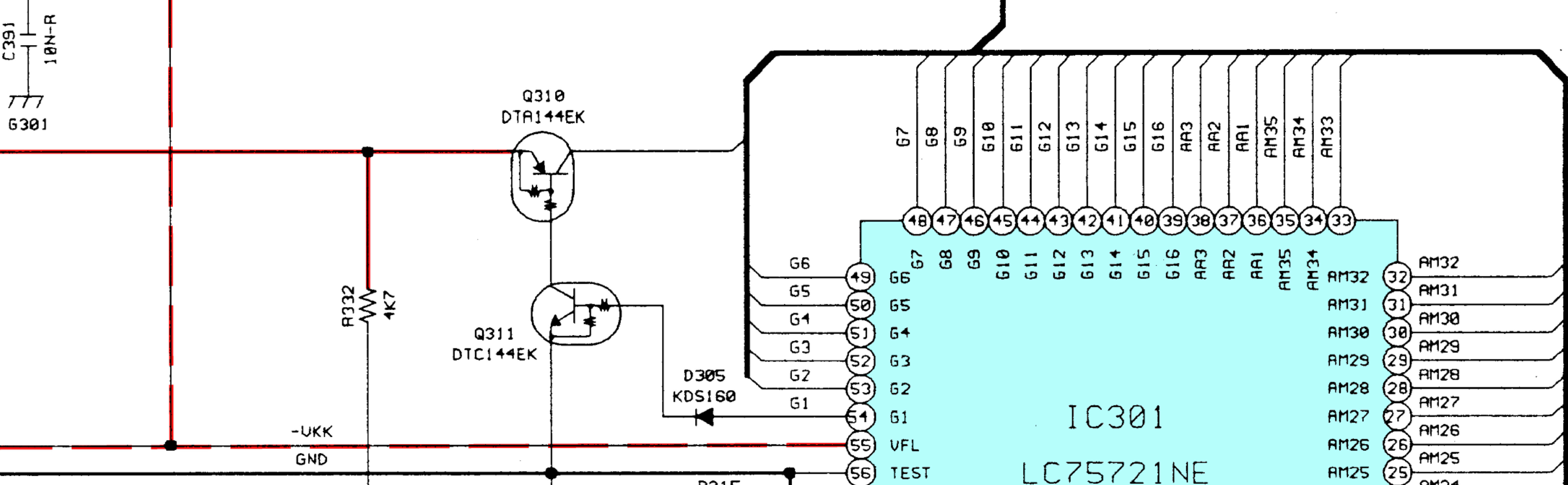
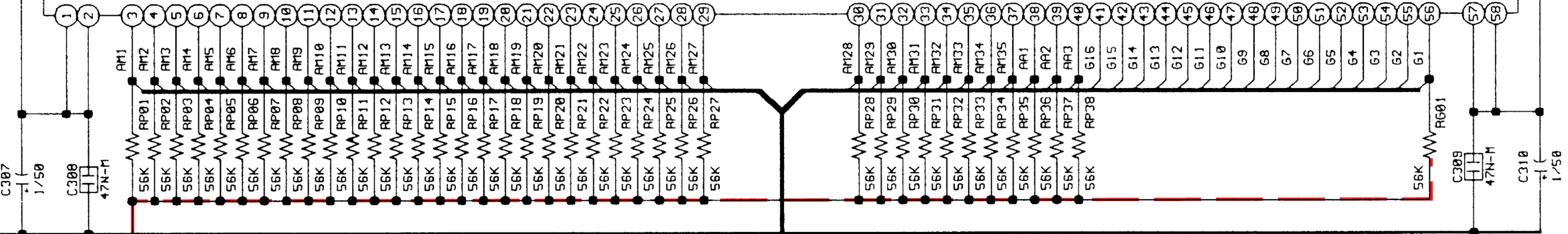
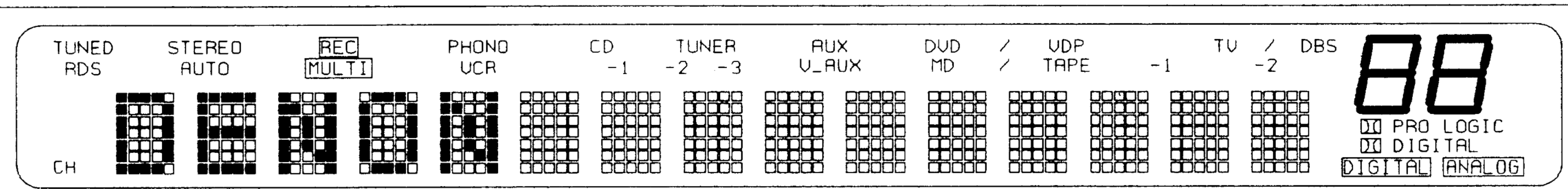


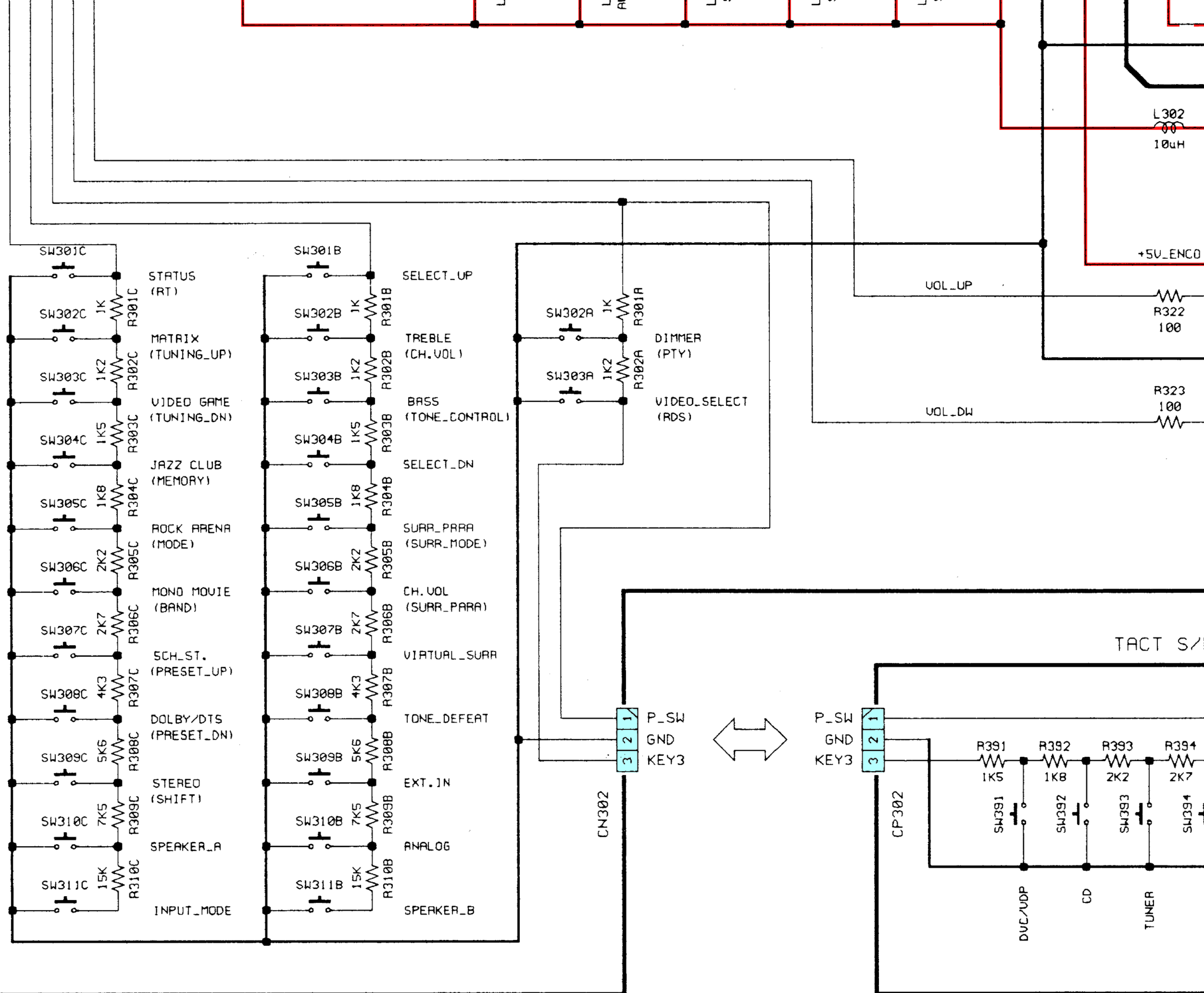
FIL1
OPEN
FIL2
FROM TRANS UNIT



FRONT BOARD

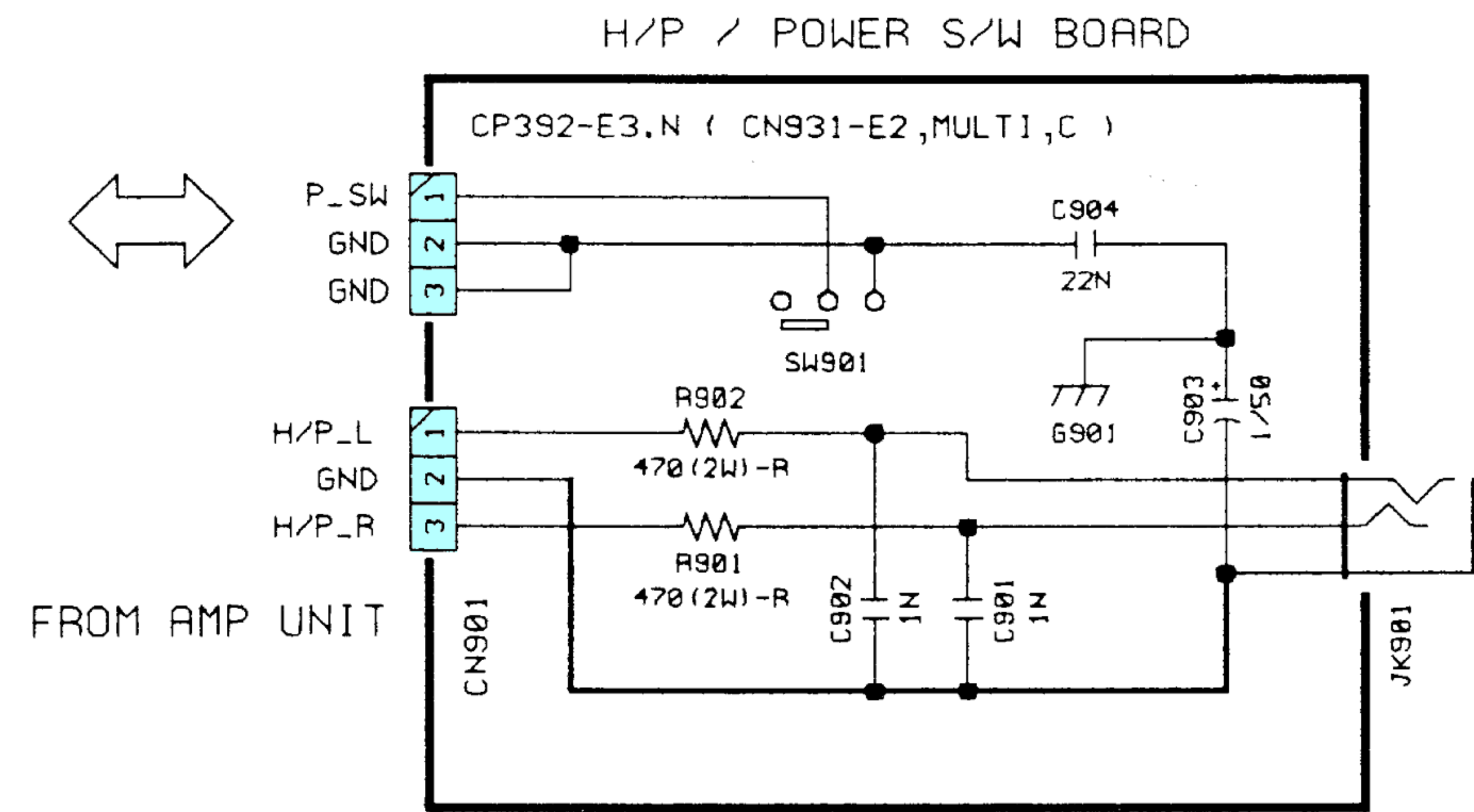
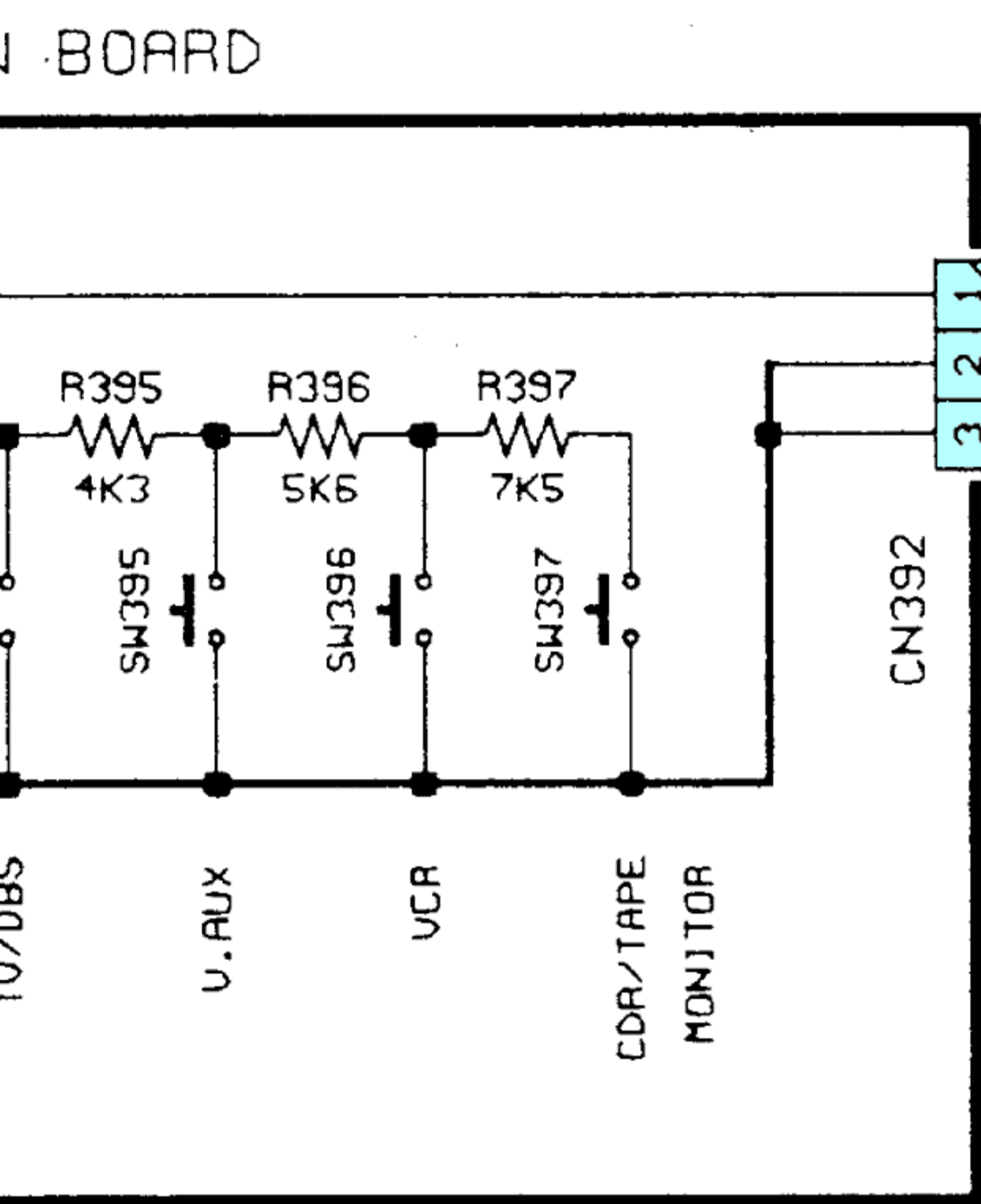
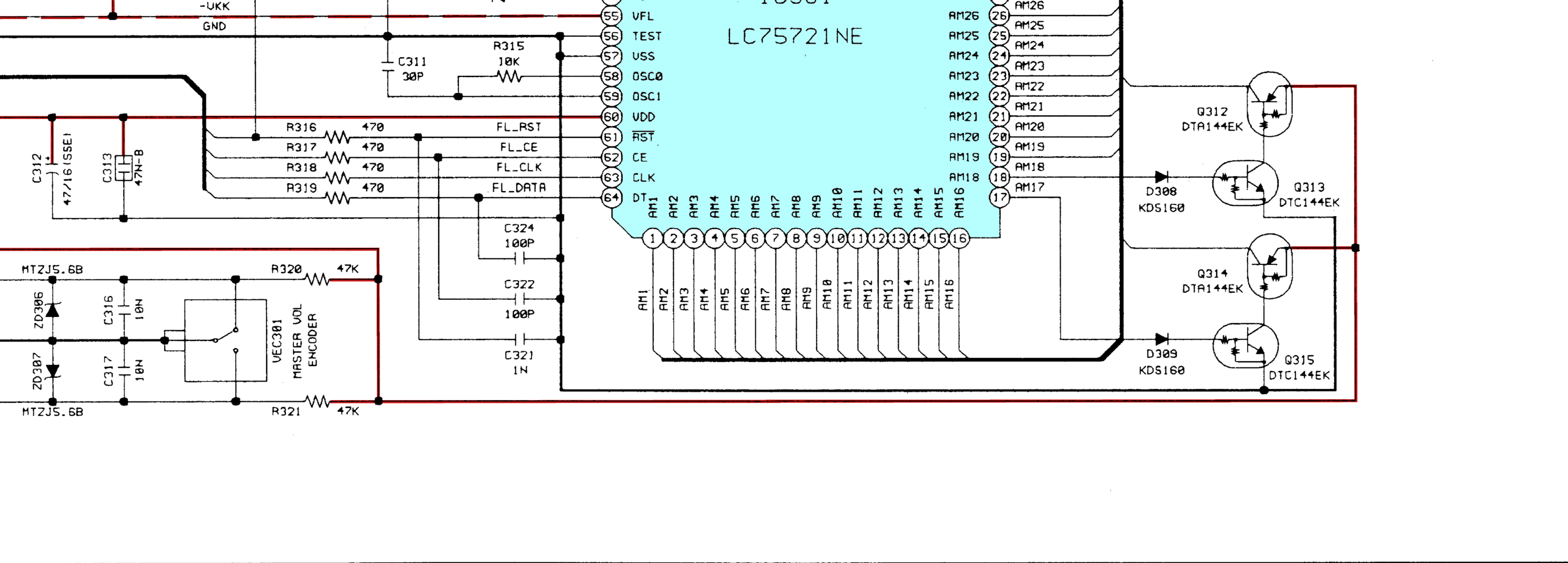
FL301





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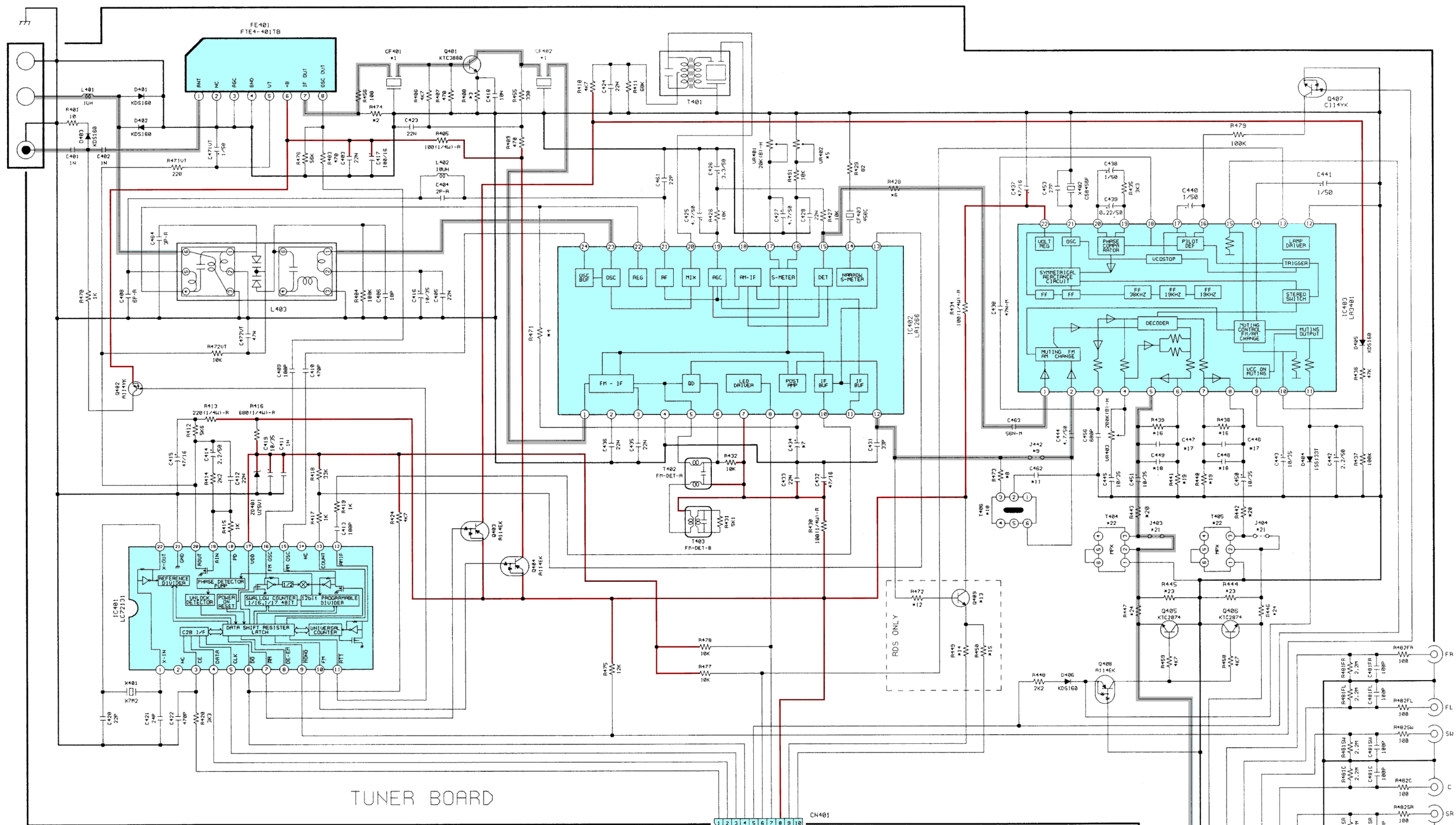
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SCHEMATIC DIAGRAMS(6/7)
 FRONT P.W.B. UNIT
 TACT S/W P.W.B. UNIT
 H/P & POWER S/W P.W.B. UNIT



TUNER BOARD

R-NO.	USA(E3)	EUROPE(E2)	MULTI,CHINA
*1	CF401/CF402	SFE10.7MAB	10.7MAB/MS3
*2	R474	-	180
*3	R407/R408	470/1.2K	620/680
*4	R471	18K	39K
*5	UR402	50KB	100KB
*6	R428	3.3K	10K
*7	C434	1/50	0.33/50
*8	R473	-	2.4K

R-NO.	USA(E3)	EUROPE(E2)	MULTI,CHINA
*9	J442	JUMPER	JUMPER
*10	T406	-	ANT1-BIRDIE
*11	C462	-	470P
*12	R472	-	100
*13	Q409	-	KTC3880
*14	R449	-	3.9K
*15	R450	-	1K
*16	R438,R439	100K	150K

R-NO.	USA(E3)	EUROPE(E2)	MULTI,CHINA
*17	C446,C447	270P	330P
*18	C448,C449	470P	330P
*19	R440,R441	120K	220K
*20	R442,R443	3.3K	2.2K
*21	J403,J404	JUMPER	JUMPER
*22	T404,T405	-	LPF(MPX)
*23	R444,R445	8.2K	3.3K
*24	R446,R447	JUMPER	470

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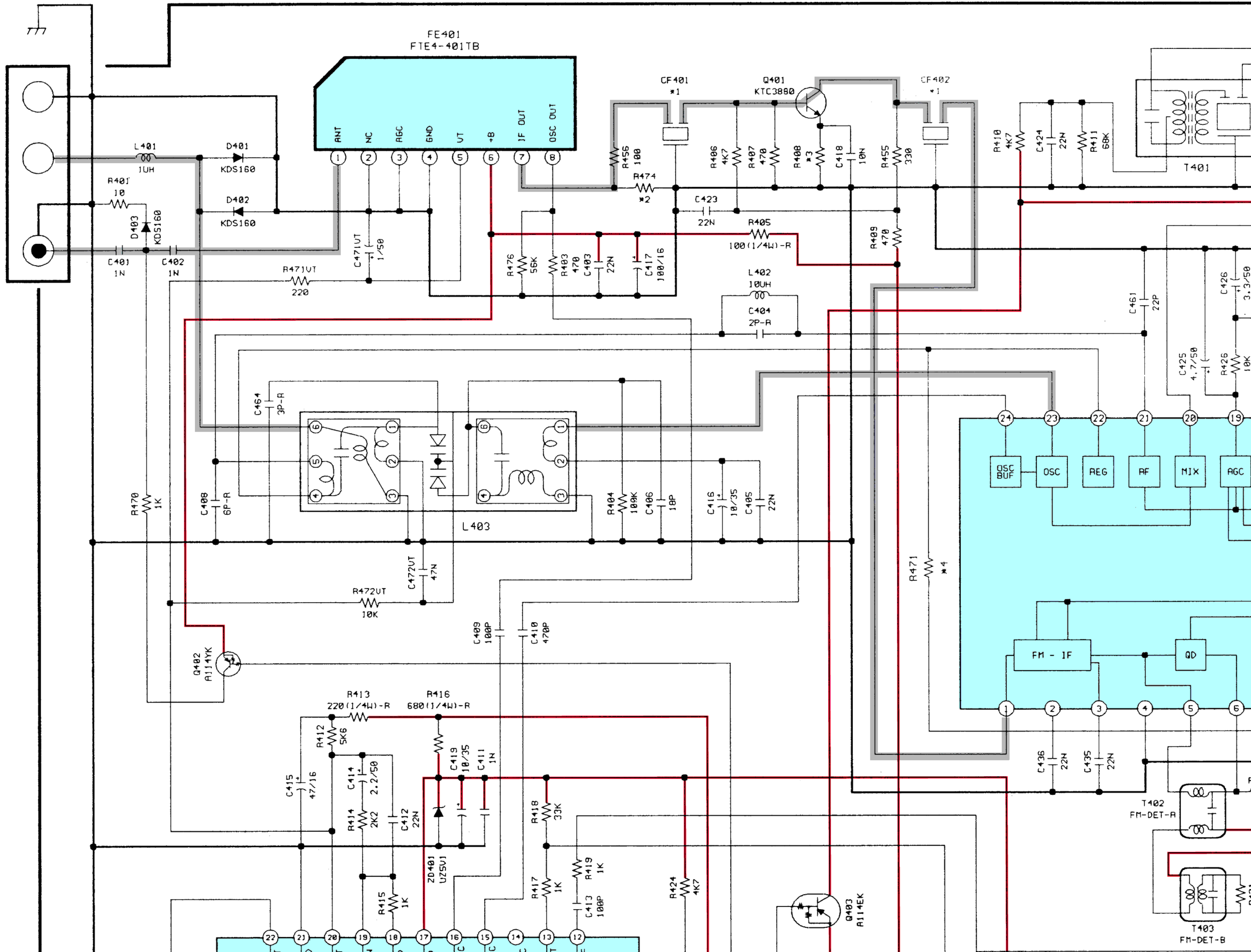
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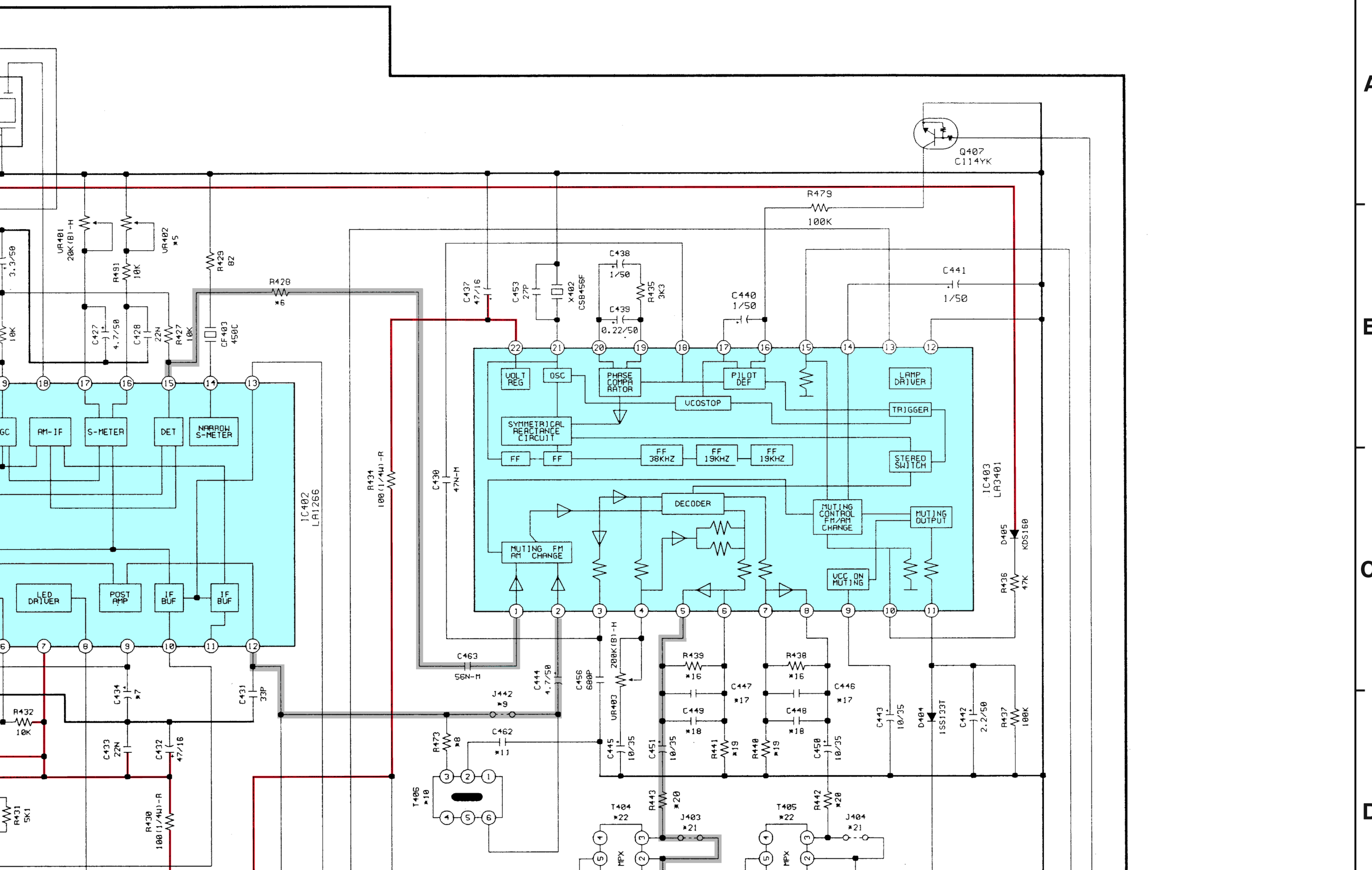
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— + B LINE
 — SIGNAL LINE

SCHEMATIC DIAGRAMS(7/7)

1 2 3 4 5



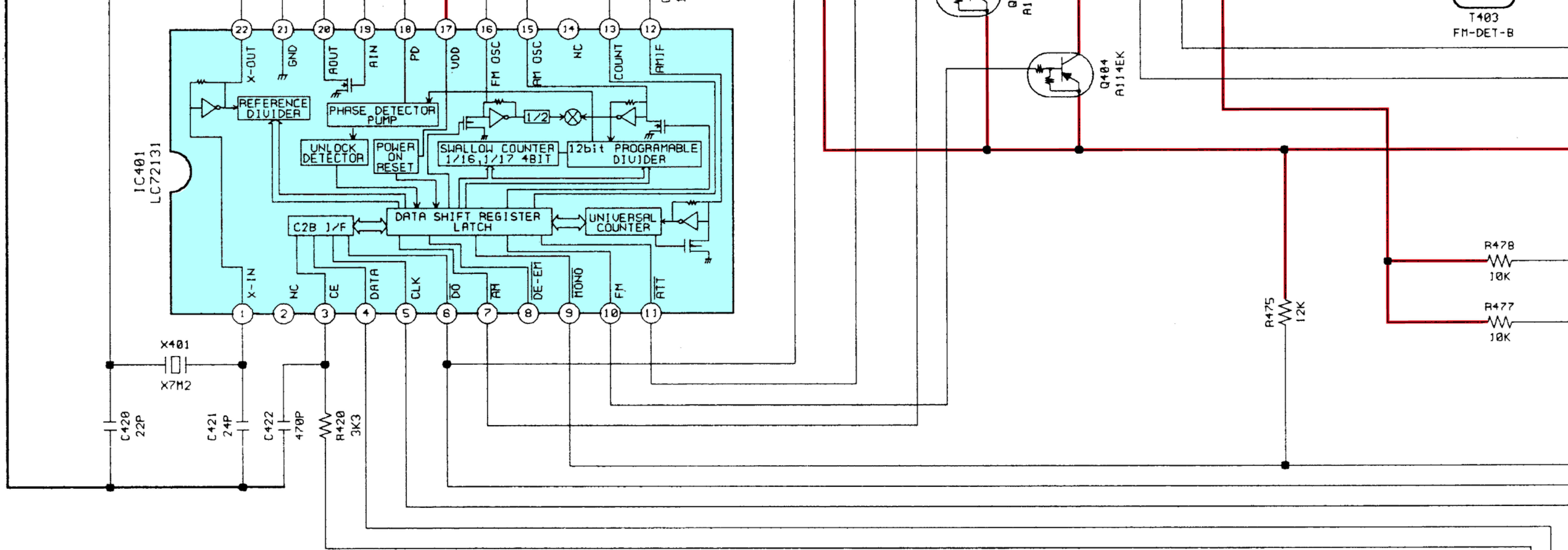


A

B

C

D



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*2	R474	-	180	-
*3	R407/R408	470/1.2K	620/680	620/1.2K
*4	R471	18K	39K	39K
*5	UR402	50KB	100KB	50KB
*6	R428	3.3K	10K	6.8K
*7	C434	1/50	0.33/50	0.33/50
*8	R473	-	2.4K	-

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*12	R472	-	100	-
*13	Q409	-	KTC3880	-
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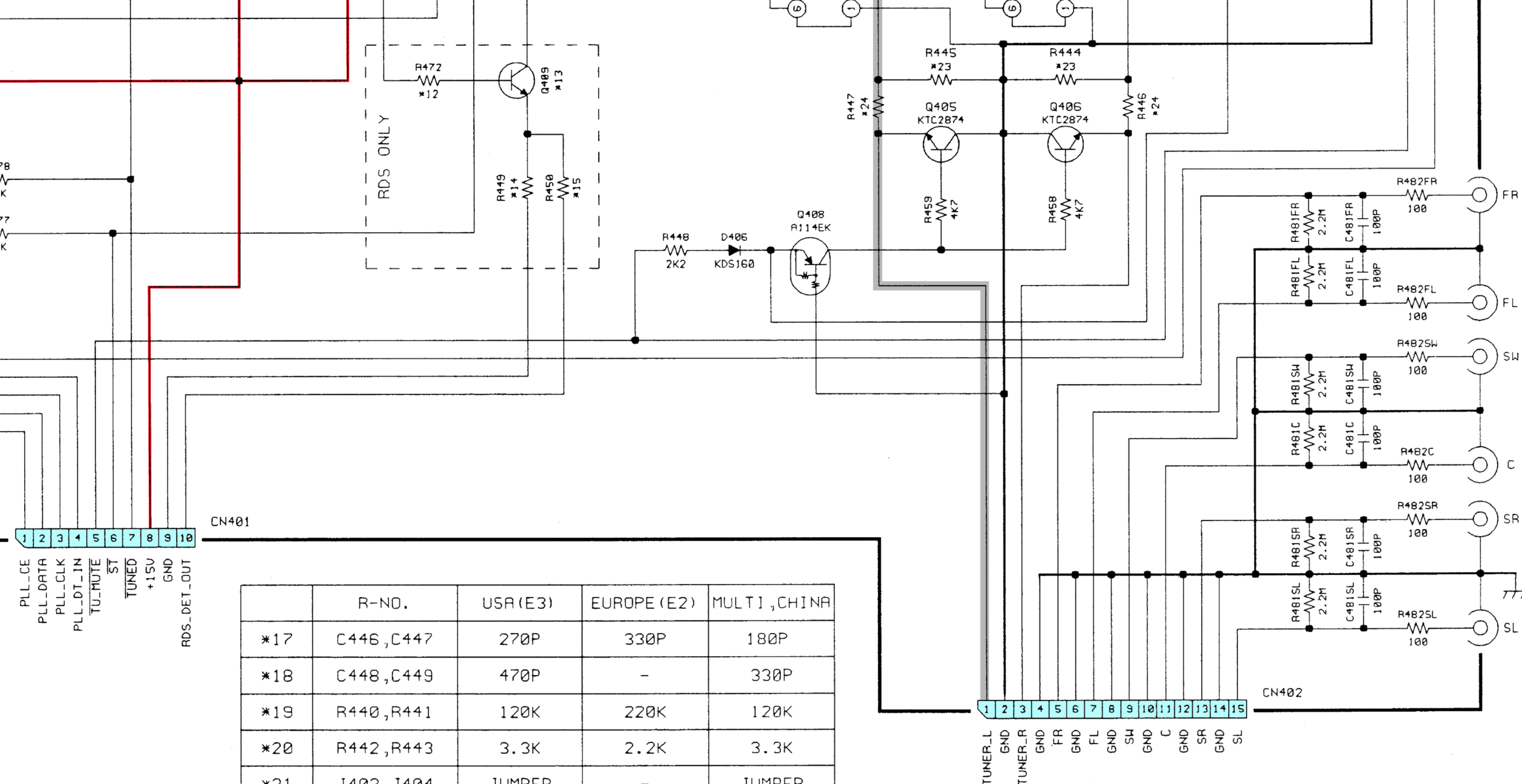
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1 2
 PLL_CE
 PLL_DATA



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