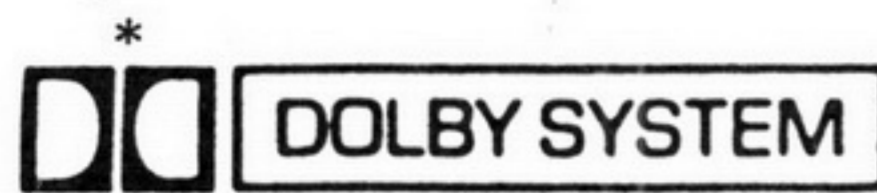


# Service Manual

Portable Stereo Component System

Radio Cassette

## RX-CT980



Color

(K) . . . . . Black Type



SG-20W MECHANISM SERIES

## ■ SPECIFICATIONS

### General :

Power Requirement : AC; 230 ~ 240V, 50Hz  
 Battery; 15V (10 UM-1 "R20/LR20" Batteries)  
 DC IN; 13.2V (12 ~ 15V)  
 Memory Back-up Battery for Computer/Clock; 6V  
 (4 UM-3 "AA" size batteries)

Power Consumption : 55W (AC only)  
 Power Output : 80W (40Wx2) . . . . PMPO  
 40W (20Wx2) . . . . MPO

Speaker : Woofer; 12cm PM Dynamic Speaker (2.7 Ω)  
 Tweeter; 8cm Speaker

Jacks :  
 Input ; CD/AUX IN; 316mV, 47kΩ  
 EXT. MIC; 2.5mV (200 ~ 600 Ω)  
 Output ; EXT. SP; Woofer : 2.7 ~ 8 Ω  
 Tweeter : 8 ~ 16 Ω  
 HEADPHONES; 32 Ω, ∅ 3.5

Dimensions(WxHxD) : 624 x 256 x 206mm  
 Main Unit ; 293 x 256 x 206mm  
 Speaker Box ; 174 x 254 x 188mm

Weight : 7.4kg without batteries

### Radio Section :

Frequency Range : FM; 87.5 ~ 108 MHz  
 LW; 144 ~ 288 kHz  
 MW; 522 ~ 1611 kHz

Intermediate Frequency : FM; 10.7 MHz  
 AM; 459 kHz

Sensitivity : FM; 1.8 uV/50 mW output  
 (-3 dB Limit Sens.)  
 LW; 158 uV/m/50 mW output  
 MW; 112 uV/m/50 mW output

### Tape Deck Section : TAPE 1

Frequency Range : Normal; 30 ~ 16,000 Hz  
 CrO<sub>2</sub> ; 30 ~ 17,000 Hz

Tape Speed : 4.8 cm/s

Track System : 4-track 2-channel stereo playback

### TAPE 2

Frequency Response : Normal; 30 ~ 16,000 Hz  
 CrO<sub>2</sub> ; 30 ~ 17,000 Hz

Recording System : AC bias, AC erase

Tape Speed : 4.8 cm/s

Track System : 4-track 2-channel stereo recording and playback

### Area

Country Code	Areas	Color
( EB )	Great Britain	(K)
( EG )	F. R. Germany/Italy Continental Europe	

\* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

### Notes :

- Weights and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

# Panasonic

# SCHEMATIC DIAGRAM

(Part list shown in page 34 ~ 38)

1

2

3

4

5

## A OPERATION SWITCH CIRCUIT

A

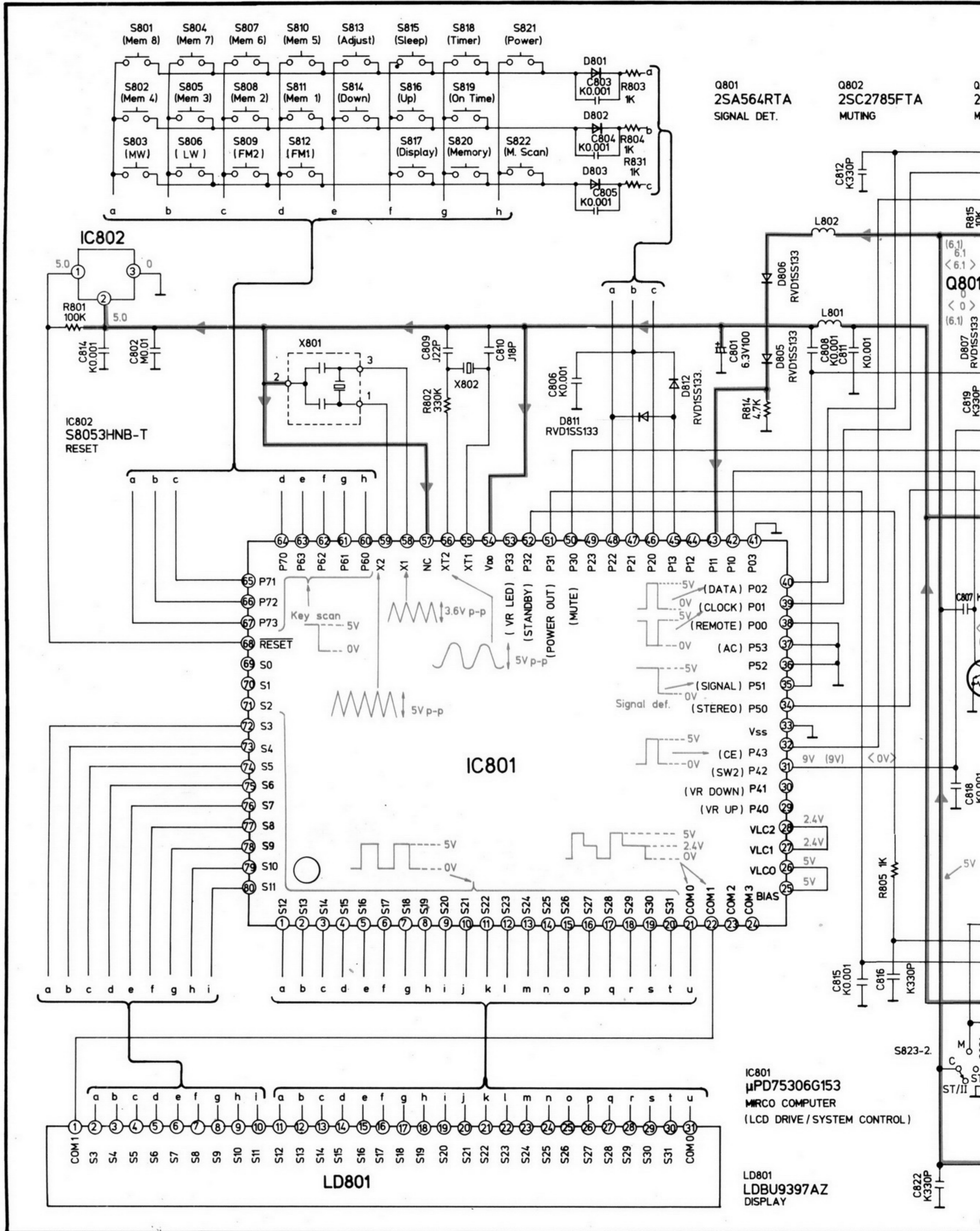
B

C

D

E

F



5

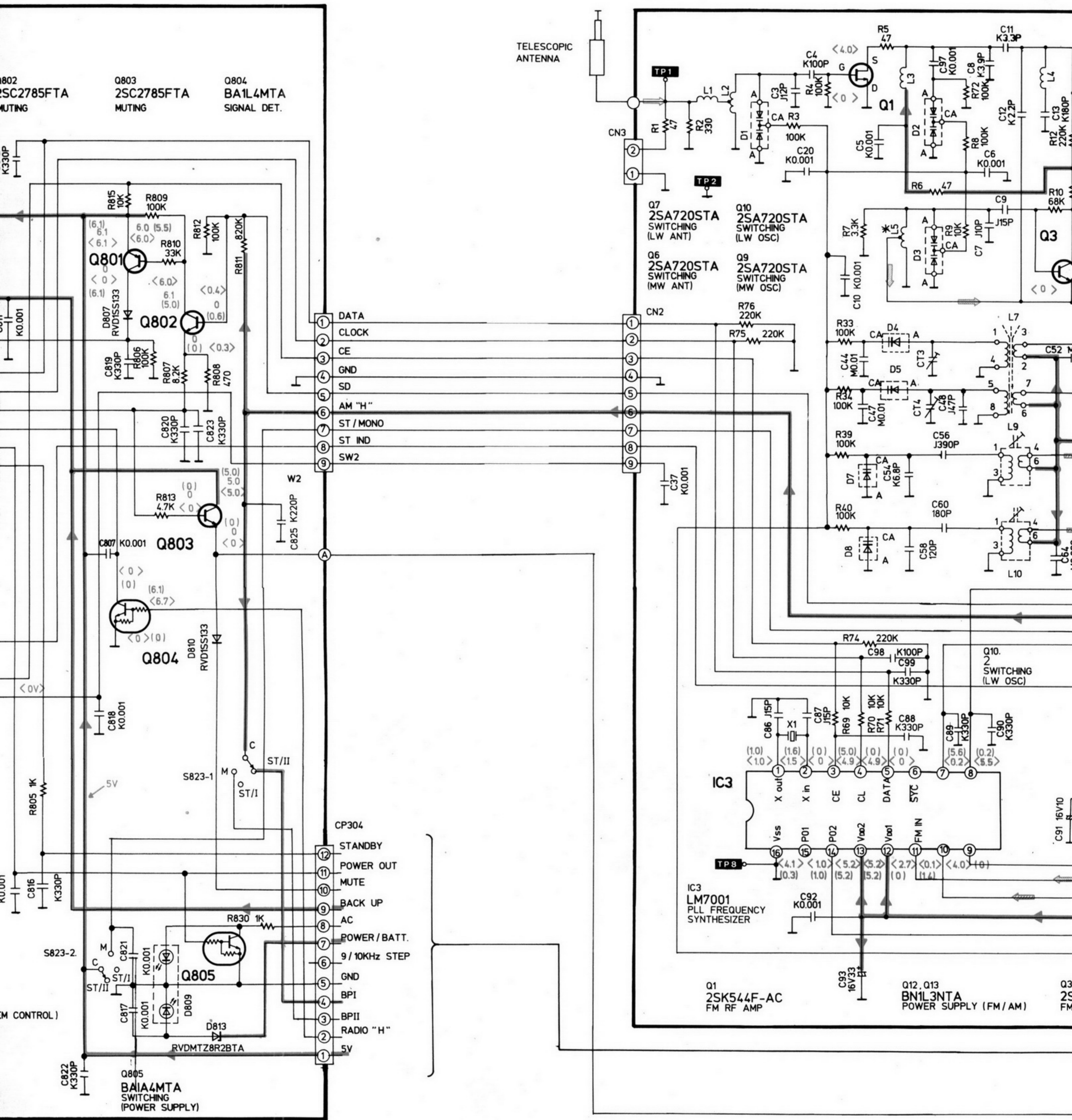
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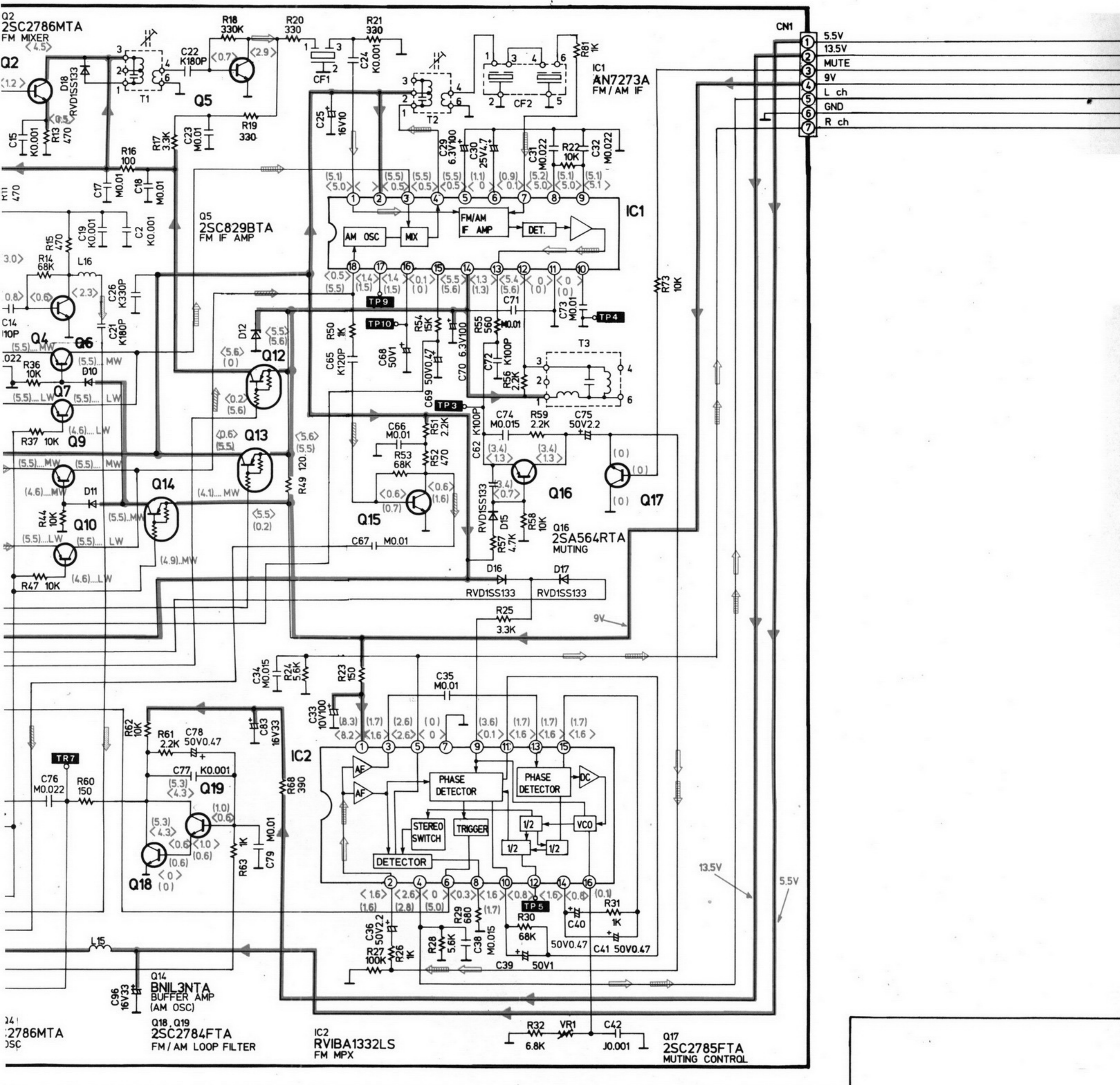
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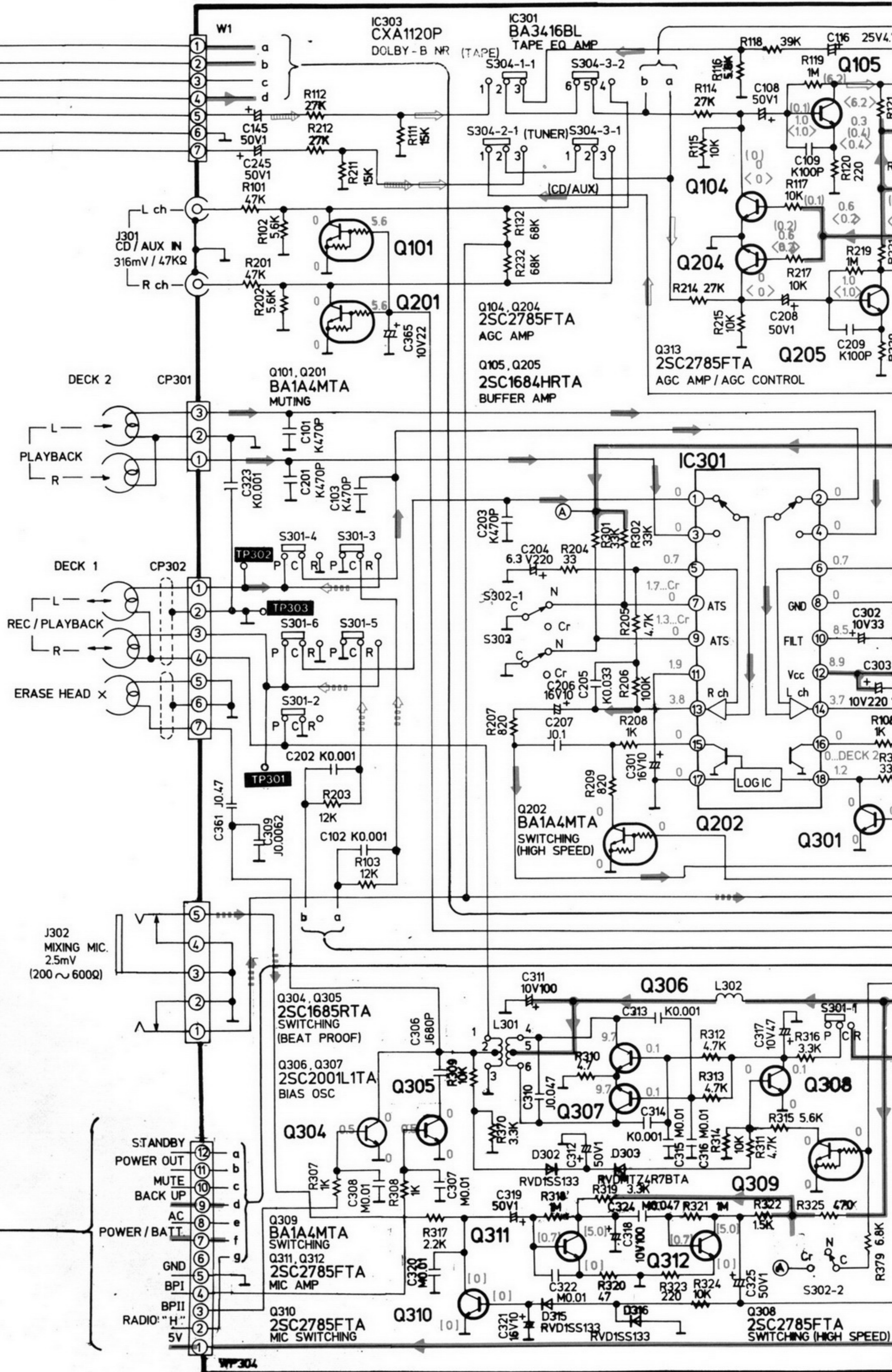
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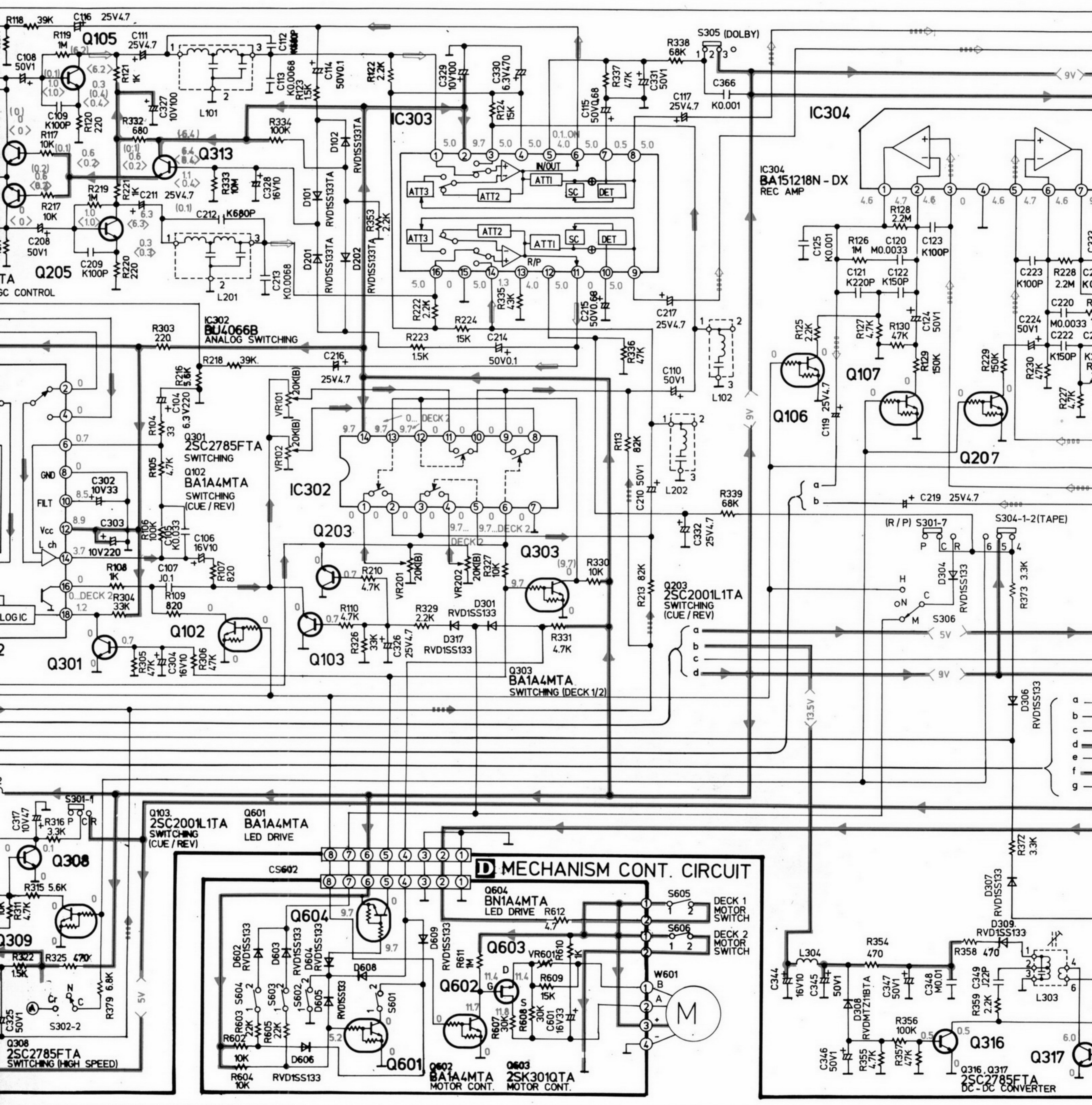
B TUNER CIRCUIT

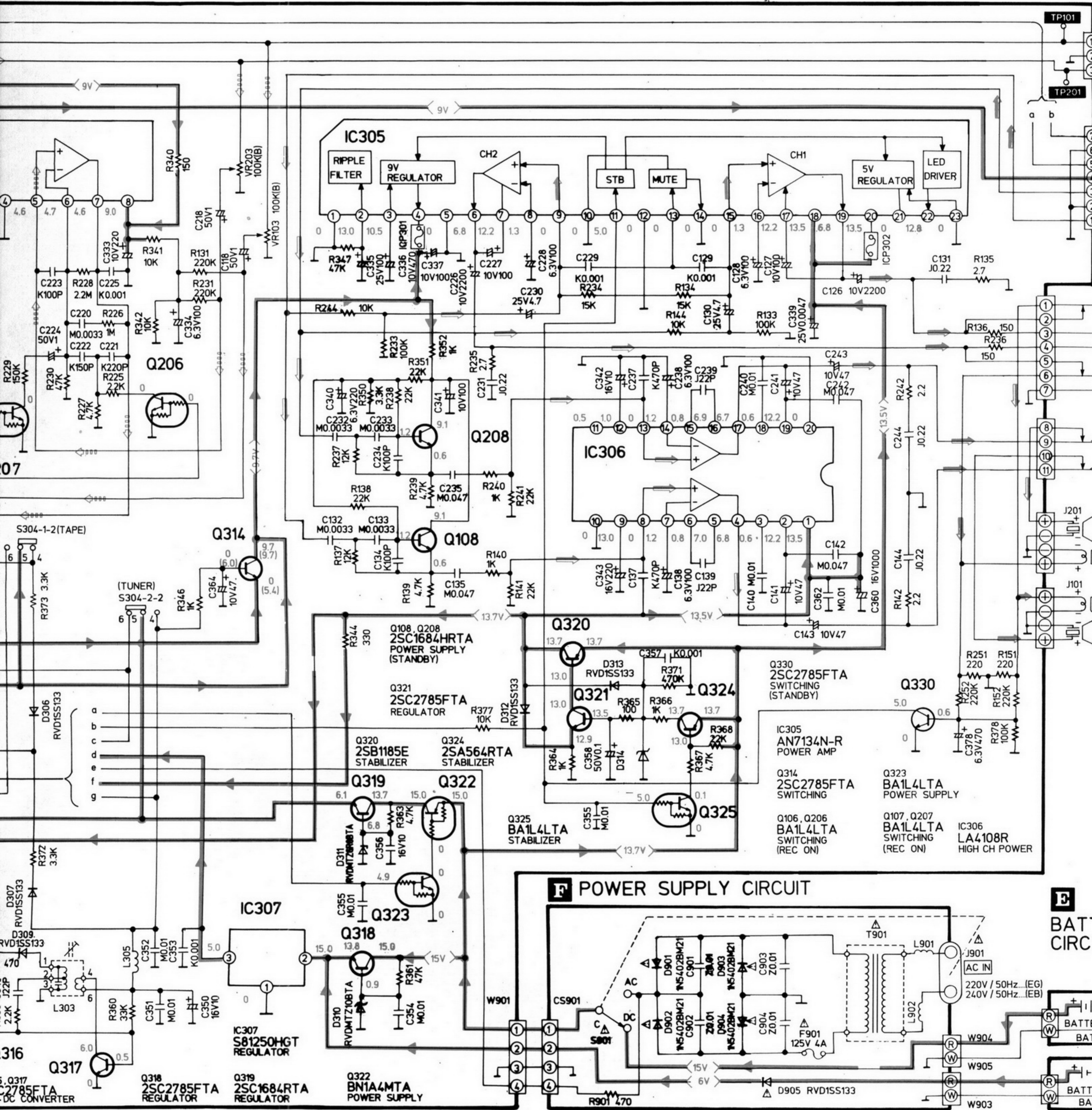




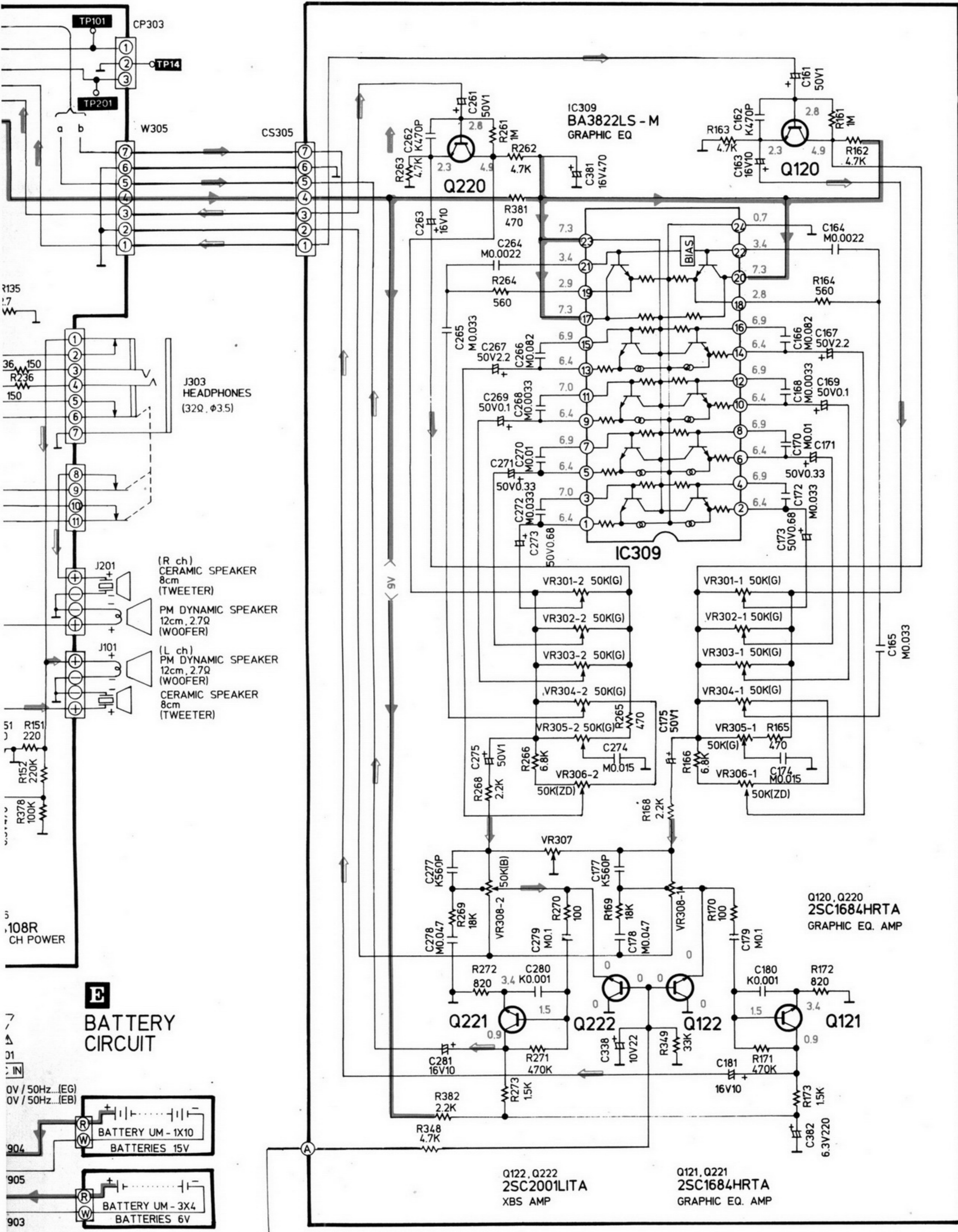
C MAIN CIRCUIT



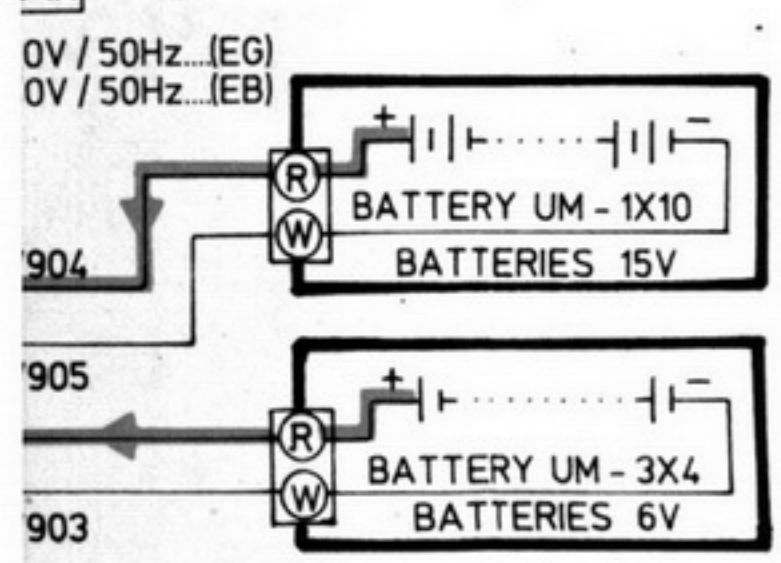




**A** GRAPHIC EQUALIZER CIRCUIT

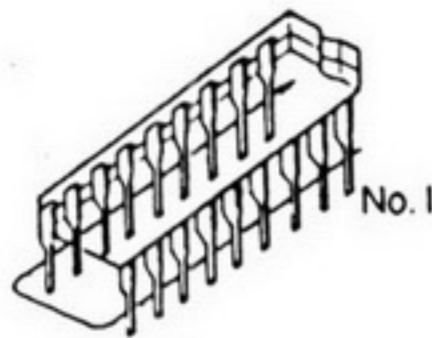



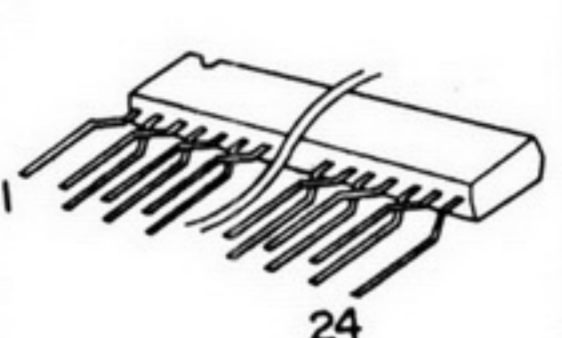
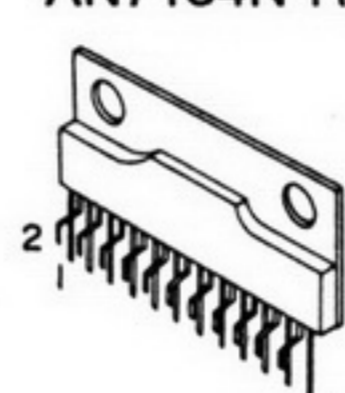
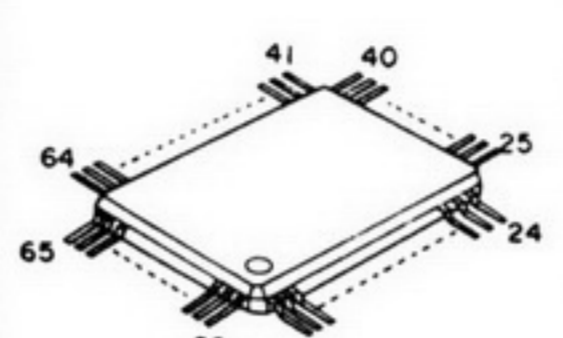
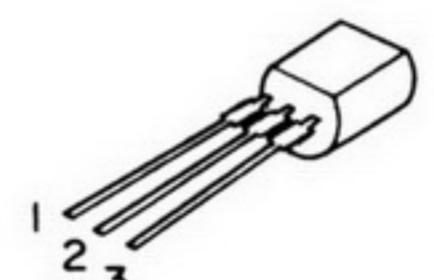
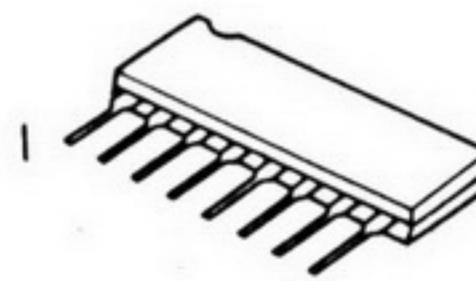
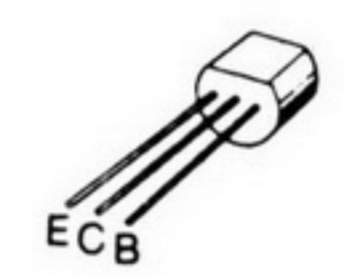
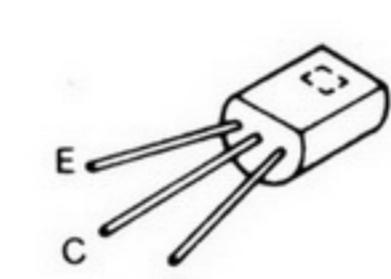
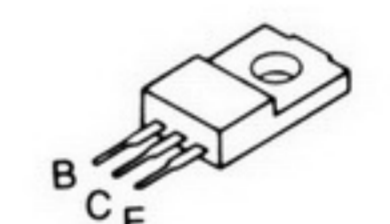
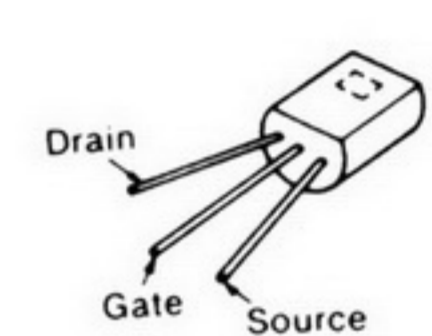
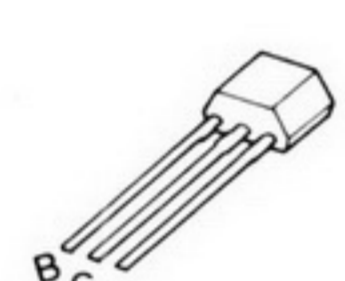

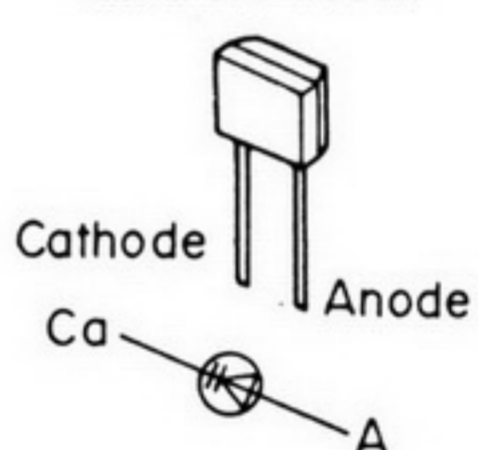
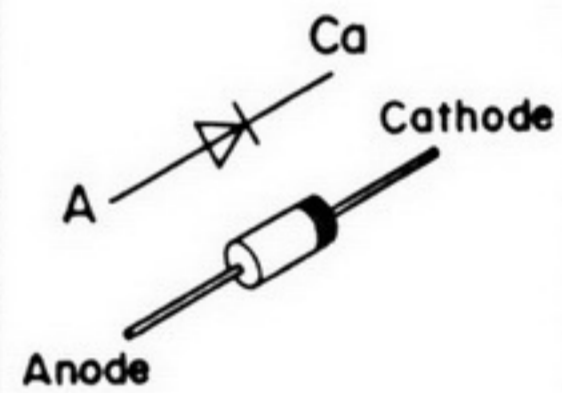
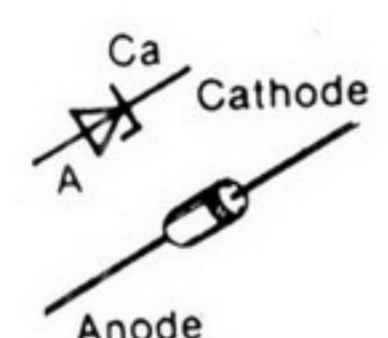
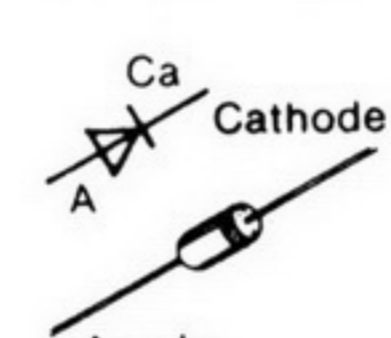
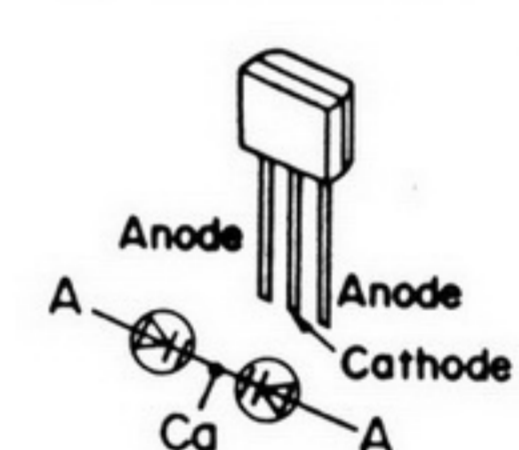
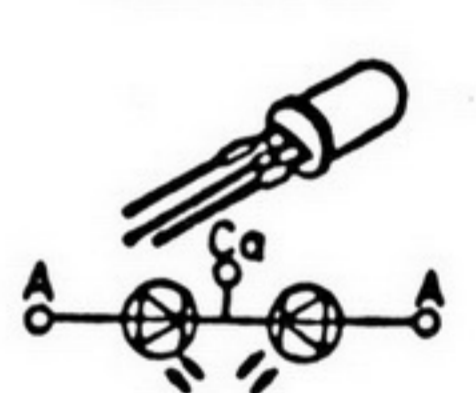


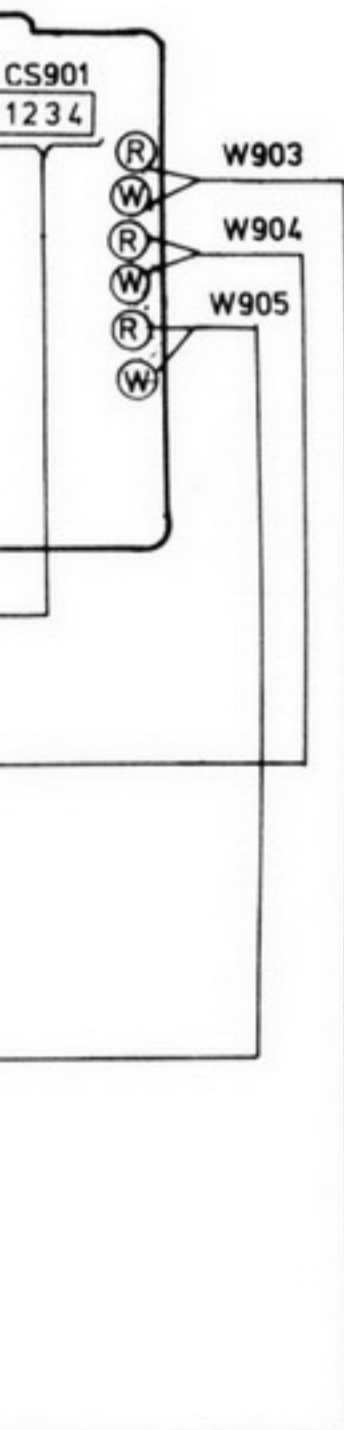
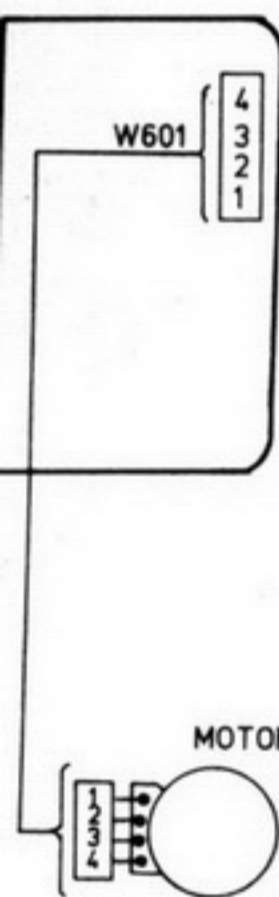
**E** BATTERY CIRCUIT





# ■ TERMINAL GUIDE OF IC'S TRANSISTORS AND DIODES

	<table border="1"> <tr><td>BU4066B</td><td>14 Pin</td></tr> <tr><td>CXA1102P</td><td>16 Pin</td></tr> <tr><td>LM7001</td><td>16 Pin</td></tr> <tr><td>AN7273A</td><td>18 Pin</td></tr> </table>	BU4066B	14 Pin	CXA1102P	16 Pin	LM7001	16 Pin	AN7273A	18 Pin	<p>LA4108R</p> 	<p>RVIBA1332L</p> 	<p>BA3416L</p> 
BU4066B	14 Pin											
CXA1102P	16 Pin											
LM7001	16 Pin											
AN7273A	18 Pin											
<p>BA3822LS</p> 	<p>AN7134N-R</p> 	<p>UPD75306G153</p> 	<p>S8053HNB-T S81250HGT</p> 	<p>BA15218N-DX</p> 								
	<p>2SA564RTA 2SC829BTA 2SC1684RTA 2SC1685RTA 2SC2001L1TA 2SC829CTA 2SC1684HRTA</p>	<p>2SC2786MTA</p> 	<p>2SB1185E</p> 	<p>2SK544F-AC</p> 								
	<p>BN1A4MTA BA1L4LTA BN1L3NTA BA1A4MTA BA1L4MTA 2SC2784FTA 2SC2785FTA 2SA720S</p>	<p>2SK301QTA</p> 	<p>RVDSVC321</p> 	<p>SVDS3V20LF</p> 								
	<p>RVDMTZ11BTA RVDMTZ15BTA RVDMTZ5R6BTA RVDMTZ6R8BTA RVDMTZ8R2BTA RVDMTZ4R7BTA RVDMTZ10BTA</p>	<p>RVD1SS133</p> 	<p>1SV147T4MATU</p> 	<p>LN11CP23</p> 								



## WIRE COLOR

BRN : BROWN	RED : RED
BLK : BLACK	BLU : BLUE
WHT : WHITE	GRY : GREY
YEL : YELLOW	SLD : SHIELD WIRE