

HITACHI

SERVICE MANUAL

PAL/SECAM/NTSC

HCPT

T1-003

C29-TF641S/SN/ST/SNT

C29-TF651S/SN/ST/SNT

C29-TF751S/SN/ST/SNT

T1 Chassis

CAUTION : Before servicing this chassis, it is important that the service technician reads the " Safety Precaution " and " Product Safety Notices " in this Service Manual.

CONTENTS

SAFETY PRECAUTIONS	2
PRODUCT SAFETY NOTICE	2
REMOTE CONTROL UNIT	3
GENERAL OPERATIONS GUIDE	4
CIRCUIT DESCRIPTION	5
ADJUSTMENT INSTRUCTIONS	6
REPLACEMENT PARTS LIST	12

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.


COLOR TELEVISION

MARCH 2005

Hitachi Consumer Products (THAILAND) , Ltd.

SAFETY PRECAUTIONS

WARNING: The following precautions should be observed.

1. Do not install, remove, or handle the picture tube in any manner unless shatter proof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep picture tube away from the body while handling.
2. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on the chassis.
3. When replacing the chassis in the cabinet, ensure all the protective devices are put back in place, such as barriers, non-metallic knobs, adjustment or compartment covers or shields, isolation resistors/capacitors, etc.
4. When service is required, observe the original lead dressing. Extra precaution should be taken to assure correct lead dressing in the high voltage circuitry area. Particularly note the R. G. B. lead dressing. Ensure they are dressed well away from the horizontal scan and F.B.T. circuitry.
5. Always use the manufacturer's replacement component. Always replace original spacers and maintain lead lengths. Especially critical components are indicated thus  on the parts list and should not be replaced by other makes. Furthermore, where a short circuit has occurred, replace those components that indicate evidence of overheating.
6. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the instrument by the manufacturer has become defective, or inadvertently damaged during servicing. Therefore, the following checks are recommended for the continued protection of the customers and service technicians.

INSULATION

Insulation resistance should not be less than 4.5 Mohm at 500 VDC between the mains poles and any accessible metal parts. Also, no flashover or breakdown should occur during the dielectric strength test, applying 3.2kV AC for two seconds between the main poles and accessible metal parts.

HIGH VOLTAGE


High voltage should always be kept at the rated value of the chassis and no higher. Operating at higher voltages may cause a failure of the picture tube or high voltage supply, and also, under certain circumstances could produce X-radiation moderately in excess of design levels. The high voltage must not, under any circumstances, exceed 34kV on the chassis.

X-RADIATION

TUBES : The primary source of X-radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X-radiation.

For continued X-radiation protection, replace tube with the same type as the original, HITACHI approved type.

PRODUCT SAFETY NOTICE

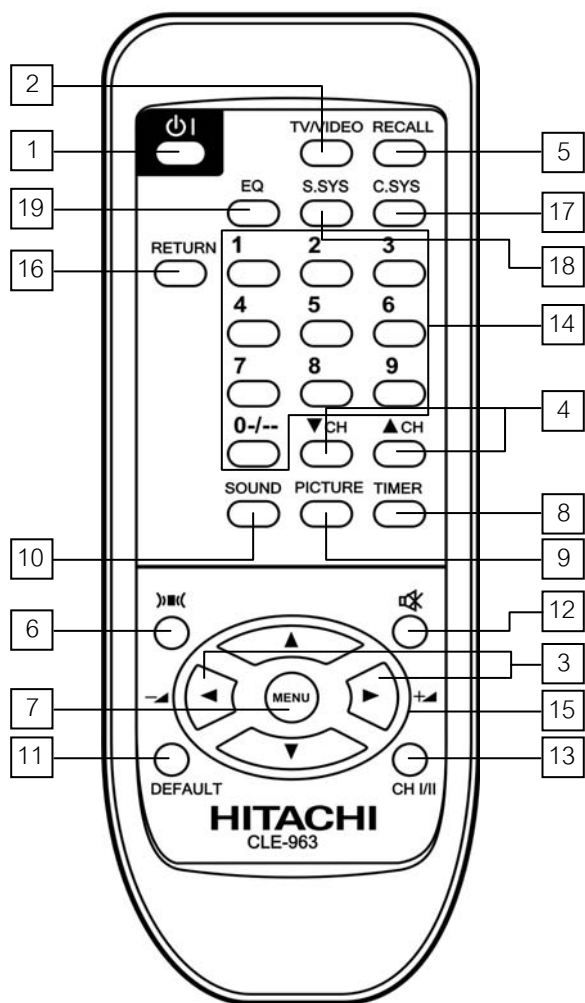
Many electrical and mechanical parts in HITACHI television receiver have special safety related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified by marking with a  on the schematics and replacement parts list in this Service Manual. The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one, shown in the parts list in this Service Manual, may create electrical shock, fire, X-radiation, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of HITACHI Service Manuals may be obtained at a nominal charge from your HITACHI sales offices.

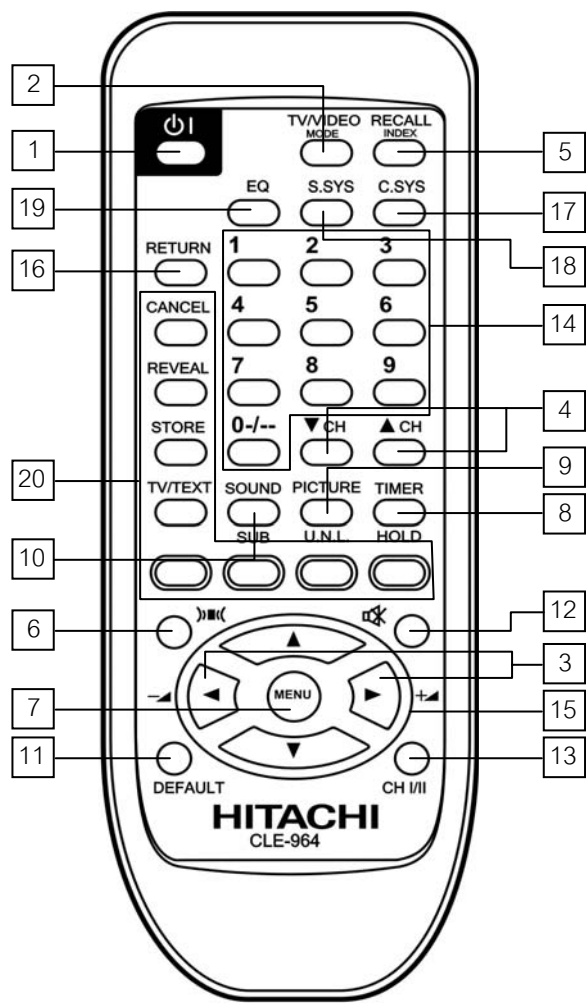
TUBE DISCHARGE

The line output stage can develop voltages in excess of 25 kV; if the E.H.T cap is required to be removed, discharge the anode cap to chassis via a high value resistor, prior to its removal from the tube.

REMOTE CONTROL UNIT



Models without Teletext

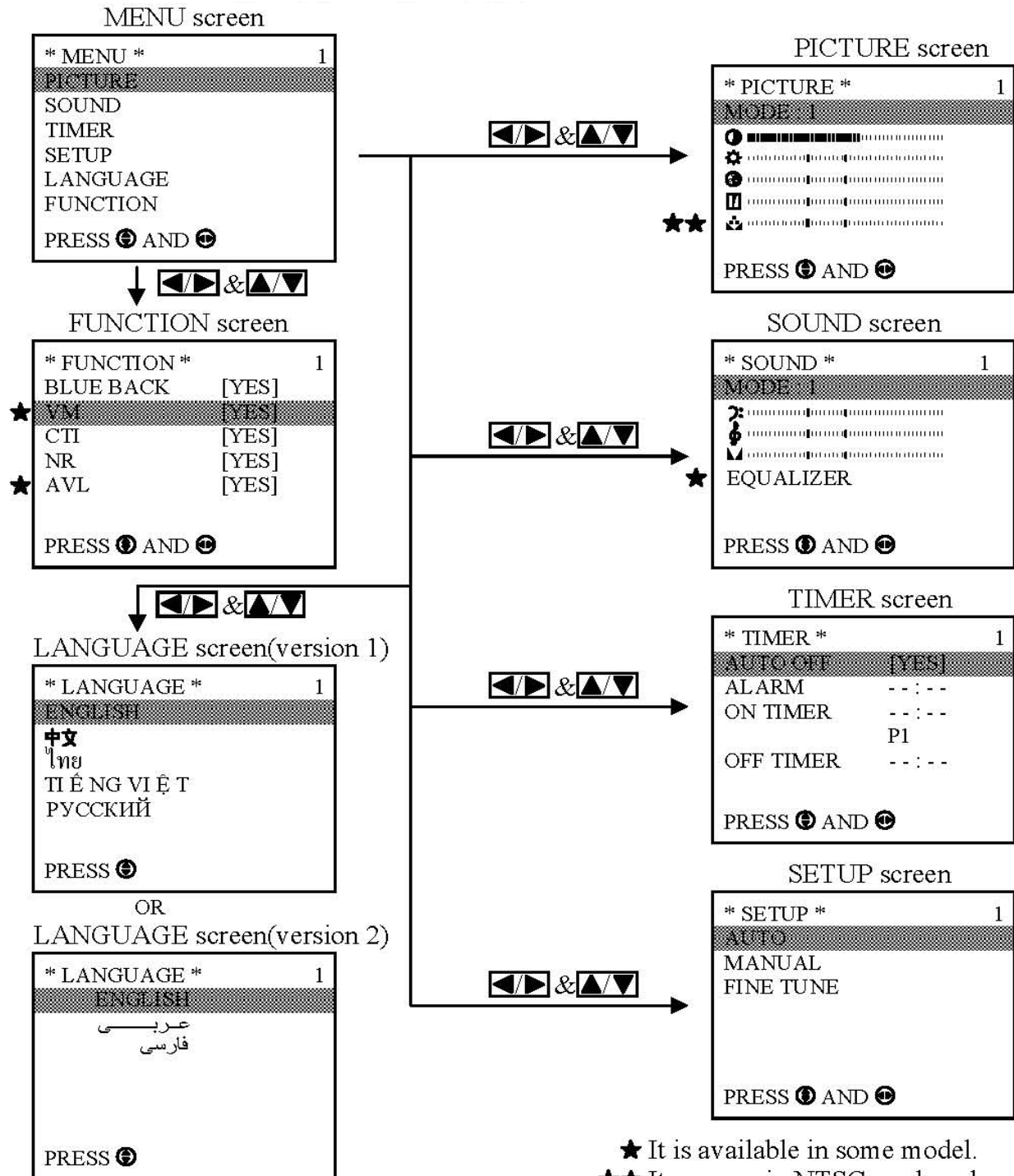


Models with Teletext

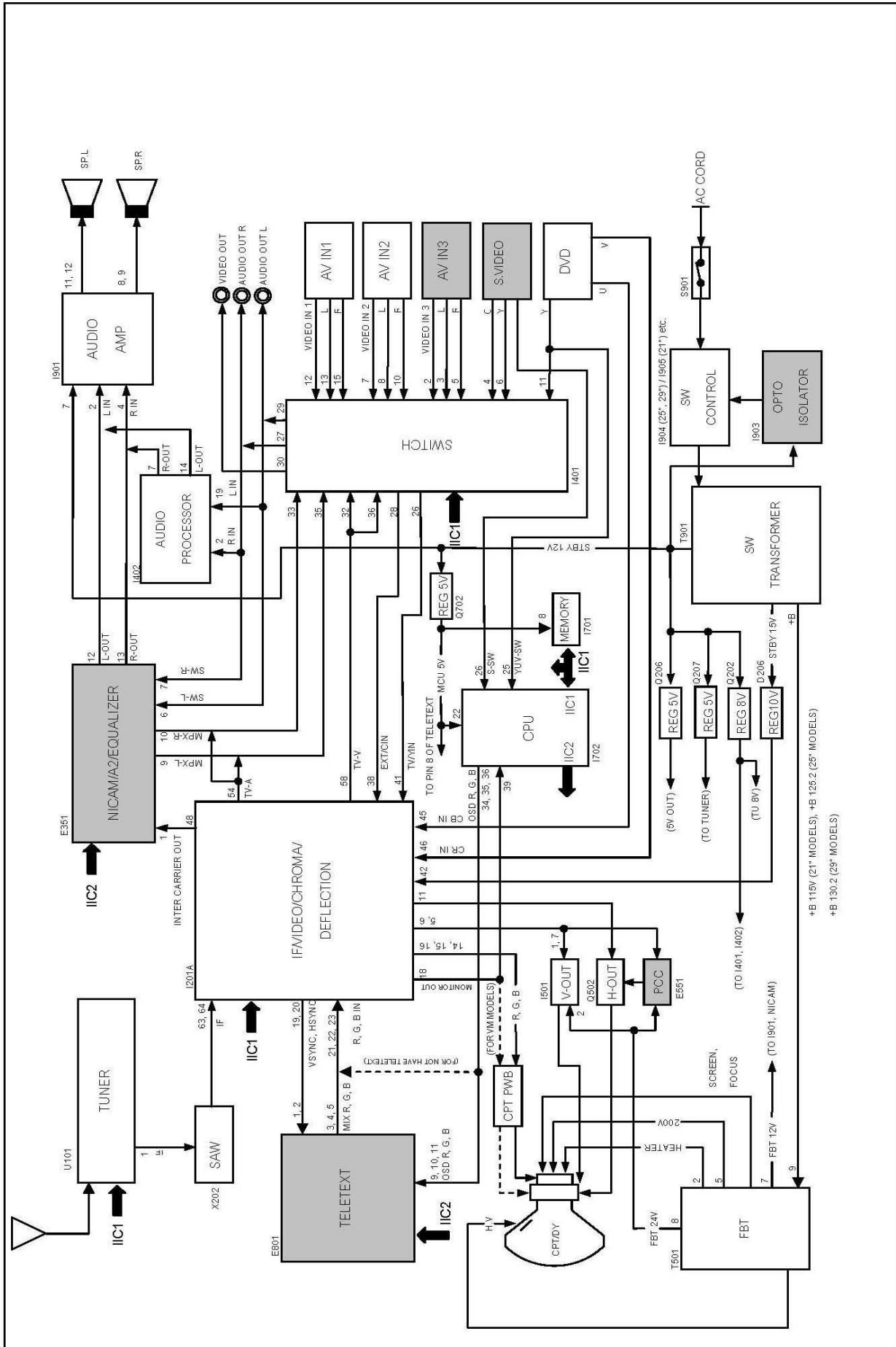
1.	POWER ON/OFF SWITCH	11.	DEFAULT
2.	INPUT SELECTOR	12.	MUTE
3.	VOLUME UP/DOWN	13.	CHI/II (FOR NICAM/A2 MODELS)
4.	PROGRAMME UP/DOWN	14.	PROGRAMME SELECTOR (DIRECT KEY)
5.	RECALL	15.	CURSOR
6.	SURROUND SOUND	16.	RETURN
7.	MENU	17.	COLOR SYSTEM
8.	TIMER	18.	SOUND SYSTEM
9.	PICTURE	19.	EQUALIZER
10.	SOUND	20.	T/TEXT FUNCTION KEY (T/TEXT MODELS ONLY)

GENERAL OPERATIONS GUIDE

With this set, all adjustments/settings are performed by selecting from menu screens. Different menu screens and details of adjustments/settings are shown below. To access the menu screen, press the **MENU** button, then select the item by pressing the up/down cursor buttons \triangle / ∇ and adjust by the left/right cursor buttons $\triangleleft / \triangleright$.



BLOCK DIAGRAM



ADJUSTMENT INSTRUCTIONS

HOW TO GO TO SERVICE MODE



1. How to go to adjustment mode no 001 ~ 022




Procedure

- (1) Turn TV off by power switch on the TV set.
- (2) Press "FUNCTION" button on the TV set and kept depress the button.
- (3) Turn TV on by power switch on the TV set.

2. How to go to adjustment mode no 101 ~ 328

Procedure

- (1) Set volume to be "0".
- (2) Press  button on remote control to go to standby mode.
- (3) Press "TV/VIDEO" button on the TV set, and kept depress the button.
- (4) Press  button on remote control to go to operation mode.
- (5) TV will show service table, then please cancel to keep depress the "TV/VIDEO" button.

- Note :
1. Press the UP/DOWN cursor buttons  /  to select adjustment mode no.
 2. Adjust data by the left/right cursor buttons  /  .
 3. Press "RECALL" buttons to restore the data.

+B ADJUSTMENT

PREPARATION		PROCEDURES	
1	AC input voltage $230 \pm 5V(50Hz)$	1	Adjust R954 to obtain +B voltage as below
2	Turns on the set and set the brightness and contrast to Max.(Signal : Philips Pattern)		+B voltage : TP902
3	After 30 sec heat-run, check & adjust the +B voltage		GND : TP901

FREE RUN FREQUENCY ADJUSTMENT

PREPARATION		PROCEDURES	
1	Receive a PAL-I monoscope signal on TV mode.	1	Select adjustment mode no. 1 and press "MENU" button one time.

VIF-VCO FREE RUN FREQUENCY ADJUSTMENT

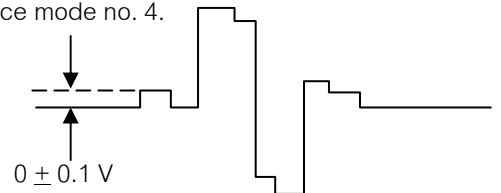
PREPARATION		PROCEDURES	
1	Receive a PAL-I monoscope signal on TV mode.	1	Select adjustment mode no. 2 and press "MENU" button one time.

SOUND TRAP FREQUENCY ADJUSTMENT

PREPARATION		PROCEDURES	
1	Receive a PAL-I monoscope signal on TV mode.	1	Select adjustment mode no. 3 and press "MENU" button one time.

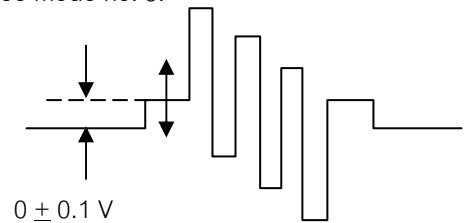
SECAM R-Y OFFSET ADJUSTMENT

PREPARATION		PROCEDURES	
1	Receive a secam color bar signal on Video 2.	1	Select adjustment mode no. 4.
2	Connect oscilloscope probe to pin 5 of E701.	2	Adjust output level at pin 5 of E701 as indicated below using service mode no. 4.



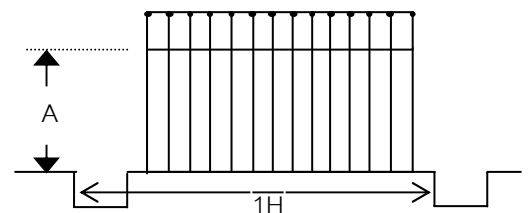
SECAM B-Y OFFSET ADJUSTMENT

PREPARATION		PROCEDURES	
1	Receive a secam color bar signal on Video 2.	1	Select adjustment mode no. 5.
2	Connect oscilloscope probe to pin 5 of E701.	2	Adjust output level at pin 5 of E701 as indicated below using service mode no. 5.



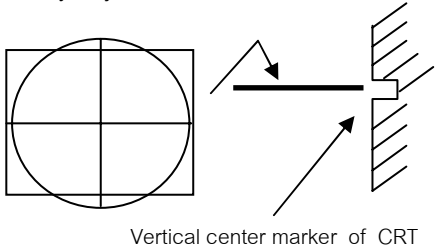
WHITE PEAK LEVEL ADJUSTMENT

PREPARATION		PROCEDURES	
1	Connect oscilloscope probe to pin 3 of E202 on CPT P.W.B with respect to ground.	1	Adjust output level at pin 3 of E202 as indicated below using service mode no. 15.
2	Input PAL cross hatch signal to Video 2 terminal. Cross hatch signal input level : 1 Vpp + 10%(with load 75 ohm) or 2 Vpp + 10%(no load).		
3	Set CONTRAST to MAX.		
4	Set data in adjustment mode no.15 to 90.		

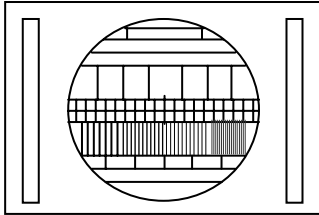
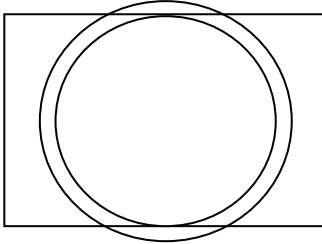


$$A = 2.8 + 0.1V_{pp}$$

VERTICAL SHIFT ADJUSTMENT

PREPARATION		PROCEDURES	
1	Preheat more than 5 minutes of power supply.	1	Select the IIC control address No. 11.
2	Receive PAL Philips pattern signal.	2	Set the horizontal center line to vertical center marker of CRT by adjustment of IIC.
		 <p>Vertical center marker of CRT</p>	

VERTICAL SIZE ADJUSTMENT

PREPARATION		PROCEDURES	
1	Preheat more than 5 minutes of power supply.	1	Select the IIC control address No. 12.
2	Receive Philips pattern signal.	2	Adjust IIC data to obtain the following conditions.
		<p>PAL</p> 	
		3	Check vertical amplitude as below by NTSC circle pattern.
		<p>NTSC</p> 	
		4	If picture isn't center, go back to IIC control No. 11 and adjust IIC data to obtain the following conditions.

SIDE PIN DISTORTION ADJUSTMENT

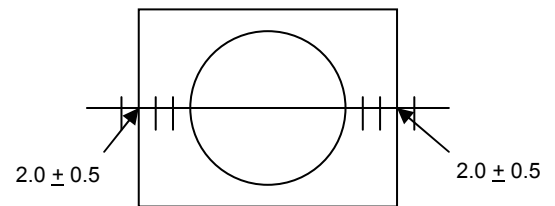
PREPARATION		PROCEDURES	
1	Purity adjustment and convergence adjustment should be already completed.	1	Receive the circle pattern signal.
2	Set Contrast = 100, Brightness = 50	2	Adjust the 1 st outer vertical line (R/L) to pin, 2 nd outer vertical line (R/L) to straight using side pin adjustment (PCC-AMP VR R557 / PCC-PHASE VR R564).
3	Set horizontal size adjustment to approximately 2-2 by H-WIDTH VR R559.	3	Receive the cross hatch signal.
4	Vertical amplitude adjustment should be already completed.	4	Check that the vertical line is straight, except 1st outer vertical line (R/L). *Pin distortion spec. $DL \leq 3\text{mm}$, $DR \leq 2\text{mm}$ *

HORIZONTAL CENTER ADJUSTMENT

PREPARATION		PROCEDURES	
1	Side pin adjustment should be already completed.	1	Adjust adjustment mode no. 13 so that the average reading of R and L is 2.0 ± 0.5 at circle pattern signal.
2	Receive circle pattern signal.		

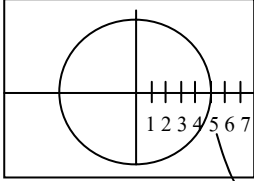
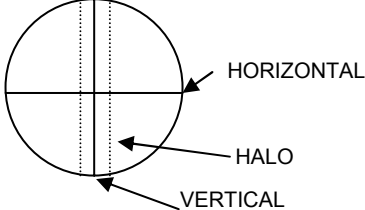
HORIZONTAL SIZE ADJUSTMENT

PREPARATION		PROCEDURES	
1	Horizontal center adjustment should be already completed.	1	Adjust Horizontal size (H-WIDTH VR R559) so that the average reading of right and left is 2.0 ± 0.5 .
2	Receive circle pattern signal.		
3	Set Contrast = 100, Brightness = 50		



FOCUS ADJUSTMENT

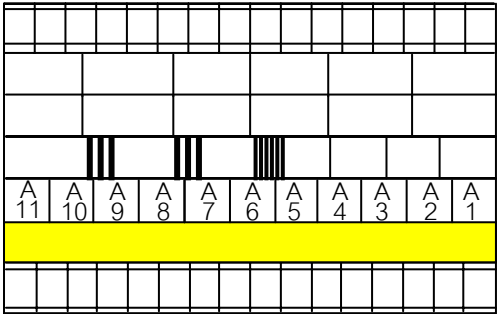
PREPARATION		PROCEDURES	
1	Receive Philips pattern signal.	1	Set picture to mode 1
2	Vertical amplitude adjustment should be already completed.	2	Turn the focus VR gradually clockwise from the full counterclockwise and adjust so that the halo of vertical center line does not appear, and horizontal line is MIN. width.
3	Adjust the cut-off after pre-adjust focus VR.		
4	Check the cut-off in case focus is re-adjusted		

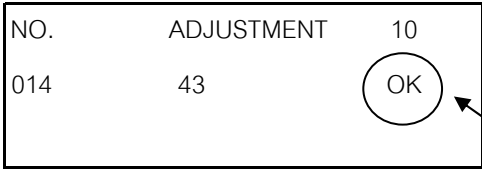
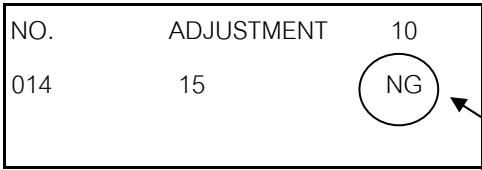
WHITE BALANCE ADJUSTMENT

PREPARATION		PROCEDURES																						
1	Adjust the W/B after the Power is turned ON for 20 minutes	1	Turn the screen adjusting VR clockwise and set it to the position where the bright line starts appearing on CPT screen.																					
2	Purity adjustment should be completed.	2	Take the first appeared color as the reference. Adjust the other colors by remote until both appear to be the same level as the reference. (A white horizontal line is seen at the CPT center.)																					
3	Set the vertical incident illumination on the CPT surface to 20 lux or less.																							
4	Receive white raster signal.																							
5	Set adjustment mode data as table on the next page to default.																							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Disp No</th> <th>ITEM</th> <th>Default</th> </tr> </thead> <tbody> <tr> <td>016</td> <td>R-CUTOFF</td> <td>127</td> </tr> <tr> <td>017</td> <td>G-CUTOFF</td> <td>127</td> </tr> <tr> <td>018</td> <td>B-CUTOFF</td> <td>127</td> </tr> <tr> <td>019</td> <td>R-DRIVE</td> <td>63</td> </tr> <tr> <td>020</td> <td>B-DRIVE</td> <td>63</td> </tr> <tr> <td>021</td> <td>SUB-BRIGHT</td> <td>127</td> </tr> </tbody> </table>	Disp No	ITEM	Default	016	R-CUTOFF	127	017	G-CUTOFF	127	018	B-CUTOFF	127	019	R-DRIVE	63	020	B-DRIVE	63	021	SUB-BRIGHT	127		
Disp No	ITEM	Default																						
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018	B-CUTOFF	127																						
019	R-DRIVE	63																						
020	B-DRIVE	63																						
021	SUB-BRIGHT	127																						
6	Turn the screen adjustment VR fully counterclockwise.	3	Exit the lateral line mode. (Press "MUTE" by remote).																					
7	Set to lateral line mode by Press "MUTE" button on remote control .	4	Set white balance meter at the center of the screen.																					
		5	Adjust brightness control so that the indication of the brightness meter is a prescribed value of brightness adjustment. Adjust white balance with the white balance control data (Red/Blue).																					
			<p style="text-align: center;">Low brightness adjustment data</p> <p><u>Red</u> "1" key for up, "4" key for down.</p> <p><u>Green</u> "2" key for up, "5" key for down.</p> <p><u>Blue</u> "3" key for up, "6" key for down</p> <p style="text-align: center;">Don't change the data of the reference color</p>																					
			<p style="text-align: center;">High brightness adjustment data</p> <p><u>Red</u> "7" key for up, "0" key for down.</p> <p><u>Blue</u> "8" key for up, "9" key for down.</p>																					


SUB-BRIGHTNESS ADJUSTMENT

PREPARATION		PROCEDURES	
1	Turn the TV set on and heat run for 20 minutes or more.	1	Press "PICTURE" key until go to picture mode 2.
2	Horizontal size adjustment and side pin adjustment should be completed.	2	The sub-brightness should be adjusted (Adjustment mode no. 21) using 11 steps gray scale (A1-A11) of color bar pattern
3	Receive Philips pattern signal. Set picture mode 2 as shown below.	3	Adjust until A10 is complete black and A9 is lightly black.
	CONTRAST : 0 COLOR : 0 BRIGHTNESS : 50	4	Go out from service mode.
			
		5	Adjust picture mode 2 as below. CONTRAST : 100 COLOR : 60 BRIGHTNESS : 50
		6	Press "PICTURE" key until go to picture mode 1.

AGC ADJUSTMENT


PREPARATION		PROCEDURES													
1	All adjustment except for AGC adjustment should be completed. Heat-run for more than 5 min.	1	Select adjustment mode no. 14 (TUNER AGC) and press "MENU" key one time. Data will be adjusted automatically												
2	Receive signal as table on the next page.	2	.When AGC adjustment is complete, screen should be shown "OK" on the right-top side. If the screen show "NG", it means AGC adjustment is abnormal.												
3	Set Contrast = 100, Brightness = 50.														
4	Set the Sound System and Color System depending on the broadcast system.														
5	Set the antenna input level as specified below.		<p>Caution : After AGC adjustment is complete, data in adjustment mode no. 14 should be more than 30. If not, please re-check or/and adjust again.</p>												
	<table border="1"> <tr> <td>MODEL</td> <td>T1</td> </tr> <tr> <td>DESTINATION</td> <td>ALL</td> </tr> <tr> <td>SYSTEM</td> <td>BG</td> </tr> <tr> <td>CHANNEL</td> <td>CH10</td> </tr> <tr> <td>INPUT SIGNAL</td> <td>Philips Pattern</td> </tr> <tr> <td>INPUT LEVEL</td> <td>- 54 dBm / 55dBμ(75Ω)</td> </tr> </table>	MODEL	T1	DESTINATION	ALL	SYSTEM	BG	CHANNEL	CH10	INPUT SIGNAL	Philips Pattern	INPUT LEVEL	- 54 dBm / 55dBμ(75Ω)		
MODEL	T1														
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SYSTEM	BG														
CHANNEL	CH10														
INPUT SIGNAL	Philips Pattern														
INPUT LEVEL	- 54 dBm / 55dBμ(75Ω)														

REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE : Components marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing

NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
1	#I904	THS0401001P	HEAT SINK I904 / I905	●	●	●	●	
2	#I501	THS0402001P	HEAT SINK I501	●	●	●	●	
3	#Q502	THS0403001P	HEAT SINK Q502	●	●	●	●	
4	#I901	THS0404002P	HEAT SINK I901 (L = 60mm)	●	●	●	●	
5	#Q503	THS0405001P	HEAT SINK Q503 (L = 40mm)	●	●	●	●	
6	#D902	THS0405002P	HEAT SINK D902 (L = 25mm)	●	●	●	●	
7	C101	0800358R	CAP ELEC 1000UF 6.3V M	●	●	●	●	
8	C102	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
9	C103	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
10	C107	0800303R	CAP ELEC 22UF 50V M	●	●	●	●	
11	C108	0890092R	CAP CER 2200PF 50V M	●	●	●	●	
12	C201	0800352R	CAP ELEC 470UF 10V M	●	●	●	●	
13	C202	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	
14	C203	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	
15	C206	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
16	C207	CE-1TCHJ181	CAP CER 180PF 50V J CH	●	●	●	●	
17	C208	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
18	C209	0800352R	CAP ELEC 470UF 10V M	●	●	●	●	
19	C210	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
20	C211	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
21	C212	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
22	C213	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
23	C214	0880183R	CAP POLYESTER 0.015UF 50V J	●	●	●	●	
24	C215	CE-1TCHJ221	CAP CER 220PF 50V J CH	●	●	●	●	
25	C216	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	
26	C217	0800352R	CAP ELEC 470UF 10V M	●	●	●	●	
27	C218	0800317R	CAP ELEC 47UF 16V M	●	●	●	●	
28	C219	EL-B10V471R	CAP ELEC 470UF 10V M 105 °C	●	●	●	●	
29	C220	0800362F	CAP ELEC 1000UF 25V M	●	●	●	●	
30	C221	0890092R	CAP CER 2200PF 50V M	●	●	●	●	
31	C222	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
32	C223	0890065R	CAP CER 22PF 50V J SL	●	●	●	●	
33	C224	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
34	C225	0880198R	CAP POLYESTER 0.22UF 50V J	●	●	●	●	
35	C226	0880198R	CAP POLYESTER 0.22UF 50V J	●	●	●	●	
36	C227	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	





REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
37	C228	0880198R	CAP POLYESTER 0.22UF 50V J	●	●	●	●	
38	C229	0880181R	CAP POLYESTER 0.01UF 50V J	●	●	●	●	
39	C232	0890093R	CAP CER 2700PF 50V M	●	●	●	●	
40	C233	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	
41	C234	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
42	C236	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
43	C237	0890074R	CAP CER 100PF 50V J SL		●		●	
44	C238	0890074R	CAP CER 100PF 50V J SL		●		●	
45	C239	AL00002R	CAP ELEC 1UF 160V M	●	●	●	●	
46	C241	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
47	C242	0880207R	CAP POLYESTER 1UF 50V J	●	●	●	●	
48	C243	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
49	C244	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
50	C245	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
51	C247	0800279R	CAP ELEC 1UF 50V M	●	●	●	●	
52	C248	0880184R	CAP POLYESTER 0.018UF 50V J	●	●	●	●	
53	C249	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
54	C250	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
55	C251	EL-B16V101R	CAP ELEC 100UF 16V M 105 °C	●	●	●	●	
56	C252	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
57	C253	EL-B50V100R	CAP ELEC 10UF 50V M 105 °C	●	●	●	●	
58	C255	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
59	C256	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
60	C257	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
61	C258	CE-1TCHJ181	CAP CER 180PF 50V J CH	●		●		
62	C401	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
63	C402	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
64	C403	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
65	C404	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
66	C405	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
67	C406	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
68	C407	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
69	C408	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
70	C409	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
71	C410	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
72	C411	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	


REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
73	C412	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
74	C413	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
75	C414	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
76	C415	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
77	C416	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
78	C417	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
79	C418	0800352R	CAP ELEC 470UF 10V M	●	●	●	●	
80	C431	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
81	C432	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
82	C433	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
83	C436	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
84	C437	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
85	C451	0800277R	CAP ELEC 0.47UF 50V M	●	●	●	●	
86	C501	0279693R	CAP POLY FILM 0.1UF 100V K	●	●	●	●	
87	C501A	0279693R	CAP POLY FILM 0.1UF 100V K	●	●	●	●	
88	C502	0800328R	CAP ELEC 100UF 35V M	●	●	●	●	
89	C504	0800368F	CAP ELEC 2200UF 25V M	●	●	●	●	
90	C505	0880209R	CAP POLYESTER 1.5UF 50V J	●	●	●	●	
91	C506	0800355R	CAP ELEC 470UF 35V M	●	●	●	●	
92	C507	0800354R	CAP ELEC 470UF 25V M	●	●	●	●	
93	C509	AL00028R	CAP ELEC 10UF 250V M	●	●	●	●	
94	C510	0880204R	CAP POLYESTER 0.56UF 50V J	●	●	●	●	
95	C511	0800355R	CAP ELEC 470UF 35V M	●	●	●	●	
96	C515	0299622F	CAP POLYPROPY 0.01UF 630V J	●	●	●	●	
97	C516	0284642R	CAP ELEC 50V 10 UF (NP)	●	●	●	●	
98	C517	0243510R	CAP CER 560PF 500V K	●	●	●	●	
99	C518	0243503R	CAP CER 150PF 500V K	●	●	●	●	
100	C519	EL-B160V010R	CAP ELEC 1UF 160V M 105 °C	●	●	●	●	
101	 C520	0262427F	CAP M-POLYPRO 0.01UF J 1.8KHP	●	●	●	●	
102	 C521	0299987F	CAP POLYPRO 0.039UF J 630V	●	●	●	●	
103	 C522	0262423F	CAP M-POLYPRO 6800PF J 1.8KHP	●	●	●	●	
104	C524	CM-50V3U3J	CAP POLYESTER 3.3UF 50V J	●	●	●	●	
105	 C525	AN01177F	CAP M-POLYPRO 0.43UF J 250V	●	●	●	●	
106	C526	0890074R	CAP CER 100PF 50V J	●	●	●	●	
107	C527	0279690R	CAP POLYESTER 0.033UF 100V K	●	●	●	●	
108	C701	0800315R	CAP ELEC 47UF 6.3V	●	●	●	●	



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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
109	C701A	0880057R	CAP POLYESTER 0.1UF 50V K	●	●	●	●	
110	C702	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
111	C703	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
112	C704	0890083R	CAP CER 470PF 50V K	●	●	●	●	
113	C705	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
114	C711	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
115	C712	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
116	C713	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
117	C714	0890087R	CAP CER 1000PF 50V K	●	●	●	●	
118	C716	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
119	C902	0880035R	CAP POLYESTER 2200PF 50V K	●	●	●	●	
120	C903	EL-B35V470R	CAP ELEC 47UF 35V M 105 °C	●	●	●	●	
121	C904	0880038R	CAP POLYESTER 3900PF 50V K	●	●	●	●	
122	C905	EL-B50V010R	CAP ELEC 1UF 50V M 105 °C	●	●	●	●	
123	C906	0880038R	CAP POLYESTER 3900PF 50V K	●	●	●	●	
124	C907	EL-B50V010R	CAP ELEC 1UF 50V M 105 °C	●	●	●	●	
125	C908	EL-B50V100R	CAP ELEC 10UF 50V M 105 °C	●	●	●	●	
126	C909	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	
127	C910	EL-B25V222R	CAP ELEC 2200UF 25V M 105 °C	●	●	●	●	
128	C911	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	
129	C912	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	
130	C913	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	
131	C914	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	
132	C915	EL-B25V102R	CAP ELEC 1000UF 25V M 105 °C	●	●	●	●	
133	C916	AL01663	CAP ELEC 330UF 160V M	●	●	●	●	
134	C917	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
135	C919	AJ00542F	CAP CER 4700PF 1KV K	●	●	●	●	
136	C921	0890087R	CAP CER 1000PF 50V K	●	●	●	●	
137	C923	CE-1TCHJ181	CAP CER 180PF 50V J CH	●	●	●	●	
138	C924	0800348R	CAP ELEC 330UF 63V M	●	●	●	●	
139	C924	CE-1TZ104	CAP CER 0.1UF 50V Z	●	●	●	●	
140	C928	AJ00454F	CAP CER 1000PF 1KV K	●	●	●	●	
141	C929	0890083R	CAP CER 470PF 50V K	●	●	●	●	
142	C930	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
143	C931	AL01702	CAP ELEC 220UF 450V M	●	●	●	●	
144	 C932	AN02083S	CAP M-POLYPRO X2 0.1UF K 250V	●	●	●	●	Code 433, 435 only






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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
145	 C933	AN02083S	CAP M-POLYPRO X2 0.1UF K 250V	●	●	●	●	
146	C934	AJ00539F	CAP CER 2200PF 1KV K	●	●	●	●	
147	 C935	AJ00824	CAP CER 3300PF 250V M	●	●	●	●	
148	CT001	0880045R	CAP POLYESTER 0.012UF 50V K	●	●	●	●	
149	D101	2339971M	DI HZS33-1	●	●	●	●	
150	D203	2338321M	DI 1SS270	●	●	●	●	
151	D204	2338321M	DI 1SS270	●	●	●	●	
152	D205	2339887M	DI HZS12C1	●	●	●	●	
153	D206	2339862M	DI HZS9A2	●	●	●	●	
154	D207	2338321M	DI 1SS270	●	●	●	●	
155	D208	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
156	D209	2338321M	DI 1SS270	●	●	●	●	
157	D210	2338321M	DI 1SS270	●	●	●	●	
158	D211	2338321M	DI 1SS270	●	●	●	●	
159	D212	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
160	D213	2339837M	DI HZS5C1	●	●	●	●	
161	D214	2338321M	DI 1SS270	●	●	●	●	
162	D214A	2338321M	DI 1SS270	●	●	●	●	
163	D215	2338321M	DI 1SS270	●	●	●	●	
164	D215A	2338321M	DI 1SS270	●	●	●	●	
165	D216	2338321M	DI 1SS270	●	●	●	●	
166	D216A	2338321M	DI 1SS270	●	●	●	●	
167	D219	2338321M	DI 1SS270	●	●	●	●	
168	D220	2339862M	DI HZS9A2	●	●	●	●	
169	D501	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
170	D502	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
171	D503	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
172	D504	2339887M	DI HZS12C1	●	●	●	●	
173	D505	2338321M	DI 1SS270	●	●	●	●	
174	D506	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
175	D507	DS-0003AAM	DI RS-4FS	●	●	●	●	
176	D508	DS-0001AAM	DI RU4AM	●	●	●	●	
177	D509	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
178	D510	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
179	D511	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
180	D703	2339853M	DI HZS7A3	●	●	●	●	







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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
181	D704	2339837M	DI HZS5C1	●	●	●	●	
182	 D705	2339971M	DI HZS33-1	●	●	●	●	
183	D706	2339858M	DI HZS7C2	●		●		
184	D707	2339858M	DI HZS7C2	●		●		
185	D901	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
186	D902	DS-0001AA2	DI FMB-G16L	●	●	●	●	
187	D903	DS-0001AAM	DI RU4AM	●	●	●	●	
188	D904	2338321M	DI 1SS270	●	●	●	●	
189	D905	2338321M	DI 1SS270	●	●	●	●	
190	D906	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
191	D907	DS-0004AAM	DI EU2A(V1)	●	●	●	●	
192	D908	2339911M	DI HZS18-1	●	●	●	●	
193	D910	2339841M	DI HZS6A1	●	●	●	●	
194	D911	2338321M	DI 1SS270	●	●	●	●	
195	D912	DS-0001ANM	DI D3SBA60-7100	●	●	●	●	
196	DC701	2339858M	DI HZS7C2	●	●	●	●	
197	DI905	2343161M	DI HZS36-1L	●	●	●	●	
198	DT001	2338321M	DI 1SS270	●	●	●	●	
199	E202	1EF2035	6P CONN W/WIRE	●	●	●	●	
200	E401	JP-09P01AB	JACK 9P YKC21-4690N	●	●	●	●	
201	E402	EY01161	JACK S-VIDEO YKF51-5503N	●	●	●	●	
202	E403	TWI4004302P	6PIN CONNECTOR PLUG	●	●	●	●	
203	E405	JP-03P02AB	JACK 3P YKC21-4399N	●	●	●	●	
204	E502	1EF2024	BOARD-IN-CONNECTOR	●	●	●	●	
205	E503	ED03659	4P WITH BASE (VOID 2 PIN)	●	●	●	●	
206	E505	TWI4003702	CONNECTOR PLUG (L=490mm)	●	●	●	●	
207	E701	2902264	5PIN CONNECTOR PLUG	●	●	●	●	
208	E702	TWI4003604P	2PCON WITH WIRE (L=520mm)	●	●	●	●	
209	E703	2902261TA	2P CONNECTOR	●	●	●	●	
210	E901	2902263	4P WITH BASE	●	●	●	●	
211	 E902	XXX	AC CORD	●	●	●	●	SEE APPENDIX I
212	E903	TWI4004102P	CONNECTOR	●	●	●	●	
213	E904	ED03174	4P WITH BASE	●	●	●	●	
214	 F903	AZ00898M	MICRO FUSE 5 A	●	●	●	●	
215	 F904	AZ00101	MICRO FUSE 0.5A	●	●	●	●	
216	 FK230	AZ00105	MICRO FUSE 2.5A	●	●	●	●	

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK	
217		I201	IC-0001AC1	IC M61262BFP	●	●	●	●	
218		I401	IC-0002AC1	IC M52791FP	●	●	●	●	
219		I501	IC-0002AD2	IC LA78041	●	●	●	●	
220		I701	IC-0002AE0	IC M24C08-WBN6G	●	●	●	●	
221		I702	XXX	IC M37160M8	●	●	●	●	SEE APPENDIX II
222		I901	IC-0003AD3	IC LA42152	●	●	●	●	
223		I902	IC-0001AA2	IC SE130N	●	●	●	●	
224		I903	CP08261U	OPTOCOUPERS H11A817B300W	●	●	●	●	
225		I904	IC-0002AA2	IC STR-F6656	●	●	●	●	
226		L101	2123412M	COIL AXIAL 1.2UH K	●	●	●	●	
227		L102	2122253M	COIL AXIAL 100UH K	●	●	●	●	
228		L104	2122253M	COIL AXIAL 100UH K	●		●		
229		L201	2123109M	COIL AXIAL 33UH K	●	●	●	●	
230		L203	2123103M	COIL AXIAL 10UH K	●	●	●	●	
231		L501	2124183	COIL CHOKE 500UH K	●	●	●	●	
232		L502	LF-T332J	COIL FILTER 3300UH J	●	●	●	●	
233		L503	LH-0001AR	LINEARITY COIL ELH5L436163	●	●	●	●	
234		L901	BH01162M	FERRITE BEAD WITH CORE 2.3UH	●	●	●	●	
235		L902	BZ02124	LINE FILTER ELF24V020AM	●	●	●	●	Code 433, 435 only
236		L903	BZ02124	LINE FILTER ELF24V020AM	●	●	●	●	
237		Q101	TB-0002ACR	TRS 2SC1906	●	●	●	●	
238		Q201	TB-0001ACR	TRS 2SA1993-E,F	●	●	●	●	
239		Q202	TB-0001AFR	TRS 2SC2236-O,Y	●	●	●	●	
240		Q203	TB-0002ACR	TRS 2SC1906	●		●		
241		Q204	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
242		Q205	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
243		Q206	TB-0005AFR	TRS 2SC5171(LBS4MBS-K)(Lead straight)	●	●	●	●	
244		Q207	TB-0001AFR	TRS 2SC2236-O,Y	●	●	●	●	
245		Q401	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
246		Q501	CF01061R	TRS MPSA42	●	●	●	●	
247		Q502	CF02521	TRS 2SD2581-RF	●	●	●	●	
248		Q503	2312174	TRS 2SD2375-P	●	●	●	●	
249		Q504	CF01431R	TRS KTA1266	●	●	●	●	
250		Q701	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
251		Q702	TB-0001AFR	TRS 2SC2236-O,Y	●	●	●	●	
252		Q703	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	




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253	Q901	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
254	QT001	2320637M	TRS 2SA673 C/D	●	●	●	●	
255	R102	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
256	R103	0700049M	RES CAR 1/16W 4.7K J	●	●	●	●	
257	R104	0700037M	RES CAR 1/16W 560R J	●	●	●	●	
258	R105	0700059M	RES CAR 1/16W 27K J	●	●	●	●	
259	R106	0700049M	RES CAR 1/16W 4.7K J	●	●	●	●	
260	R108	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
261	R109	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
262	R110	0700043M	RES CAR 1/16W 1.5K J	●	●	●	●	
263	R111	0700018M	RES CAR 1/16W 22R J	●	●	●	●	
264	R201	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
265	R202	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
266	R203	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
267	R204	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
268	R208	0700052M	RES CAR 1/16W 6.8K J	●	●	●	●	
269	R209	0700063M	RES CAR 1/16W 47K J	●	●	●	●	
270	R210	0700063M	RES CAR 1/16W 47K J	●	●	●	●	
271	R211	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
272	R212	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
273	R213	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
274	R214	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
275	R215	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
276	R216	RM-W01F561JA	RES MTL OXIDE 1W 560R J	●	●	●	●	
277	R217	AT00318S	RES MTL OXIDE ERG3F 330H J	●	●	●	●	
278	R219	0700034M	RES CAR 1/16W 330RJ	●		●		
279	R220	0700047M	RES CAR 1/16W 3.3K J	●	●	●	●	
280	R221	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
281	R222	0700038M	RES CAR 1/16W 680R J	●	●	●	●	
282	R223	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
283	R224	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
284	R226	0700034M	RES CAR 1/16W 330R J	●	●	●	●	
285	R228	AT03694M	RES SURGE 1/2W 10M	●	●	●	●	
286	R230	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
287	R232	0700081M	RES CAR 1/16W 1M J	●	●	●	●	
288	R233	0700027M	RES CAR 1/16W 100R J	●	●	●	●	


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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
289	R234	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
290	R237	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
291	R238	RM-W01F472JA	RES MTL OXIDE 1W 4.7K J	●	●	●	●	
292	 R239	RM-S25U153FA	RES MTL OXIDE 1/16W 15K-F	●	●	●	●	
293	R240	0700064M	RES CAR 1/16W 56K J	●	●	●	●	
294	 R241	RM-S25U153FA	RES MTL OXIDE 1/16W 15K-F	●	●	●	●	
295	 R242	RM-S25U333FA	RES MTL OXIDE 1/16W 33K-F	●	●	●	●	
296	R243	0700059M	RES CAR 1/16W 27K J	●	●	●	●	
297	R244	0700052M	RES CAR 1/16W 6.8K J	●	●	●	●	
298	R245	AT03884M	RES CAR 1/2W 10K J	●	●	●	●	
299	R246	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
300	R247	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
301	R248	0700068M	RES CAR 1/16W 120K J	●	●	●	●	
302	R249	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
303	R250	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
304	R251	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
305	R252	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
306	R253	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
307	R254	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
308	R255	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
309	R256	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
310	R257	AT00321S	RES MTL OXIDE ERG3F 390H J	●	●	●	●	
311	R258	AT00316S	RES MTL OXIDE ERG3F 270H J	●	●	●	●	
312	R259	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
313	R260	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
314	R261	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
315	R275	0700027M	RES CAR 1/16W 100R J	●		●		
316	R276	0700039M	RES CAR 1/16W 820R J	●		●		
317	R277	0700032M	RES CAR 1/16W 220R J	●	●	●	●	
318	R401	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
319	R402	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
320	R403	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
321	R404	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
322	R405	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
323	R406	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
324	R407	0187038M	RES CAR 1/16W 75R J	●	●	●	●	


REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
325	R408	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
326	R409	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
327	R410	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
328	R411	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
329	R412	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
330	R413	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
331	R414	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
332	R415	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
333	R416	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
334	R417	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
335	R418	AT03861M	RES CAR 1/2W 180R J	●	●	●	●	
336	R419	0700025M	RES CAR 1/16W 68R J	●	●	●	●	
337	R428	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
338	R429	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
339	R430	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
340	R431	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
341	R432	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
342	R433	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
343	R434	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
344	R435	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
345	R436	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
346	R437	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
347	R438	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
348	R451	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
349	R452	0187038M	RES CAR 1/16W 75R J	●	●	●	●	
350	R453	0700067M	RES CAR 1/16W 100K J	●	●	●	●	
351	R454	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
352	R455	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
353	R456	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
354	R501	0700036M	RES CAR 1/16W 470R J	●	●	●	●	
355	R503	AT03897M	RES CAR 1/2W 100K J	●	●	●	●	
356	R505	0188097M	RES CAR 1/2W 3.3R J	●	●	●	●	
357	R506	0700053M	RES CAR 1/16W 8.2K J	●			●	
358	R506A	0700041M	RES CAR 1/16W 1K J	●			●	
359	 R507	RF-S25F2R2JA	RES FUSE 1/4W 2.2R J	●	●	●	●	
360	R508	0188096M	RES CAR 1/2W 2.7R J	●	●	●	●	

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
361	R509	0700055M	RES CAR 1/16W 12K J	●	●	●	●	
362	R510	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
363	R511	RM-W03F1R2JA	RES MTL OXIDE 3W 1.2R J	●	●	●	●	
364	R512	RM-W03F1R2JA	RES MTL OXIDE 3W 1.2R J	●	●	●	●	
365	R513	RM-W03F1R2JA	RES MTL OXIDE 3W 1.2R J	●	●	●	●	
366	R514	0188093M	RES CAR 1/2W 1.5R J	●	●	●	●	
367	 R515	AZ00892M	MICRO FUSE 1 A	●	●	●	●	
368	R517	0700033M	RES CAR 1/16W 270R J	●	●	●	●	
369	R518	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
370	R519	AT00381S	RES MTL OXIDE ERG3F 682H J	●	●	●	●	
371	R520	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
372	R521	AT00381S	RES MTL OXIDE ERG3F 682H J	●	●	●	●	
373	R522	0700026M	RES CAR 1/16W 82R J	●	●	●	●	
374	R523	RM-W03F471JA	RES MTL OXIDE 3W 470 J	●	●	●	●	
375	R524	RM-W03F4R7JA	RES MTL OXIDE 3W 4.7R J	●	●	●	●	
376	R525	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
377	R526	0700063M	RES CAR 1/16W 47K J	●	●	●	●	
378	R527	0110243S	RES MTL OXIDE 2W 820R J	●	●	●	●	
379	R528	AT03861M	RES CAR 1/2W 180R J	●	●	●	●	
380	R529	0100129M	RES CAR 1/8W 470K J	●	●	●	●	
381	R701	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
382	R708	0700036M	RES CAR 1/16W 470R J	●	●	●	●	
383	R709	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
384	R710	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
385	R711	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
386	R713	0700052M	RES CAR 1/16W 6.8K J	●	●	●	●	
387	R714	0700052M	RES CAR 1/16W 6.8K J	●	●	●	●	
388	R717	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
389	R718	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
390	R719	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
391	R720	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
392	R721	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
393	R722	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
394	R723	0700027M	RES CAR 1/16W 100R J	●	●	●		
395	R725	0700027M	RES CAR 1/16W 100R J	●	●	●		
396	R727	0700052M	RES CAR 1/16W 6.8K J	●	●	●		






REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
397	R728	0700052M	RES CAR 1/16W 6.8K J	●	●	●		
398	R729	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
399	R730	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
400	R731	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
401	R732	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
402	R733	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
403	R734	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
404	R735	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
405	R736	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
406	R737	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
407	R738	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
408	R739	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
409	R740	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
410	R741	0700048M	RES CAR 1/16W 3.9K J	●	●	●	●	
411	R742	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
412	R743	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
413	R744	0700064M	RES CAR 1/16W 56K J	●	●	●	●	
414	R746	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
415	R747	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
416	R749	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
417	R750	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
418	R752	0700062M	RES CAR 1/16W 39K J	●	●	●	●	
419	R753	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
420	R754	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
421	R902	0700047M	RES CAR 1/16W 3.3K J	●	●	●	●	
422	R903	0700046M	RES CAR 1/16W 2.7K J	●	●	●	●	
423	R904	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
424	R905	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
425	R906	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
426	R907	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
427	R908	0700005M	RES CAR 1/16W 2.2R J	●	●	●	●	
428	R909	0700005M	RES CAR 1/16W 2.2R J	●	●	●	●	
429	R910	0700005M	RES CAR 1/16W 2.2R J	●	●	●	●	
430	R911	0700005M	RES CAR 1/16W 2.2R J	●	●	●	●	
431	R913	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
432	R914	0700037M	RES CAR 1/16W 560JB	●	●	●	●	

REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
433	R916	0113733M	RES CAR 1/2W 220R J	●	●	●	●	
434	R917	0700056M	RES CAR 1/16W 15K J	●	●	●	●	
435	R919	RM-W01FR27JA	RES MTL OXIDE 1W 0.27R J	●	●	●	●	
436	R920	RM-W01FR27JA	RES MTL OXIDE 1W 0.27R J	●	●	●	●	
437	R921	RM-W01F681JA	RES MTL OXIDE 1W 680R J	●	●	●	●	
438	R922	RM-W02F683JA	RES MTL OXIDE 2W 68K J	●	●	●	●	
439	R923	RM-W02F683JA	RES MTL OXIDE 2W 68K J	●	●	●	●	
440	R924	RW-15ZK1R5	RES WIRE WOUND 15W 1.5R J	●	●	●	●	
441	R925	AT03906M	RES CAR 1/2W 470K J	●	●	●	●	
442	R926	RM-W01FR27JA	RES MTL OXIDE 1W 0.27R J	●	●	●	●	
443	 R928	AT03694M	RES SURGE 1/2W 10M	●	●	●	●	
444	R929	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
445	R930	RM-W03F680JA	RES MTL OXIDE 3W 68 J	●	●	●	●	
446	RT001	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
447	RK116	0700042M	RES CAR 1/16W 1.2K J	●	●	●	●	
448	RK229	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
449	RK702	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
450	 T501	TF-0002AJ	FBT HLF1433X(FOR 25",29")	●	●	●	●	
451	 T502	BS00011	HOR TRANSFORMER	●	●	●	●	
452	 T901	TS-0002AI	SWITCHING TRANS ETS39AD2H6AC	●	●	●	●	
453	 TH901	2341325	THERMISTOR PTDCA1BF4R5Q200	●	●	●	●	
454	U101	HJ00472TA	TUNER ENV59K05G3	●	●	●	●	
455	W001	9374945	UL 1007 BLACK L = 25 MM	●	●	●	●	
456	W002	9374948	UL 1007 ORANGE L = 170 MM	●	●	●	●	
457	W003	9374948	UL 1007 ORANGE L = 50 MM	●	●	●	●	
458	W005	9374948	UL 1007 ORANGE L = 210 MM	●		●		
459	W006	9374949	UL 1007 ORANGE L = 70 MM		●	●		
460	WI801	9374948	UL 1007 ORANGE L = 120 MM		●	●		
461	X201	XL-04M43AK	CRYSTAL 9SL4433619BCSF4DZ001	●	●	●	●	
462	X202	BG01561	SAW FILTER K7252M	●	●	●	●	
463	X701	CZ01161	RC RECEIVER	●	●	●	●	
464	C234A	0880048R	CAP POLYESTER 0.022UF 50 V J		●		●	
465	C419	0800326R	CAP ELEC 100UF 16V M		●		●	
466	C420	CE-1TZ103	CAP CER 0.01UF 50V Z		●		●	
467	C421	0800326R	CAP ELEC 100UF 16V M		●		●	
468	C422	0800294R	CAP ELEC 10UF 50V M		●		●	

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
469	C423	0800294R	CAP ELEC 10UF 50V M		●		●	
470	C424	0880181R	CAP POLYESTER 0.01UF 50V J		●		●	
471	C425	0880181R	CAP POLYESTER 0.01UF 50V J		●		●	
472	C426	0284625R	CAP ELEC 50V 2.2 UF (NP)		●		●	
473	C427	0880182R	CAP POLYESTER 0.012UF 50V J		●		●	
474	C428	0890074R	CAP CER 100PF 50V J SL		●		●	
475	C429	CE-1TZ103	CAP CER 0.01UF 50V Z		●		●	
476	C430	0890087R	CAP CER 1000PF 50V K		●		●	
477	C438	0284625R	CAP ELEC 50V 2.2 UF (NP)		●		●	
478	C439	0880182R	CAP POLYESTER 0.012UF 50V J		●		●	
479	C440	0890074R	CAP CER 100PF 50V J SL		●		●	
480	I402	IC-0003AC1	IC M62420FP		●		●	
481	Q203	TB-0003ACR	TRS 2SC5395-E,F		●		●	
482	R218	0700036M	RES CAR 1/16W 470R J		●		●	
483	R219	0700041M	RES CAR 1/16W 1K J		●		●	
484	R225	0700027M	RES CAR 1/16W 100R J		●		●	
485	R420	0700039M	RES CAR 1/16W 820R J		●		●	
486	R421	0700039M	RES CAR 1/16W 820R J		●		●	
487	R422	0700045M	RES CAR 1/16W 2.2K J		●		●	
488	R423	0700054M	RES CAR 1/16W 10K J		●		●	
489	R424	0700042M	RES CAR 1/16W 1.2K J		●		●	
490	R425	0700042M	RES CAR 1/16W 1.2K J		●		●	
491	R426	0700067M	RES CAR 1/16W 100K J		●		●	
492	R439	0700045M	RES CAR 1/16W 2.2K J		●		●	
493	R440	0700054M	RES CAR 1/16W 10K J		●		●	
494	R441	0700027M	RES CAR 1/16W 100R J		●		●	
495	R442	0700027M	RES CAR 1/16W 100R J		●		●	
496	R506	0700054M	RES CAR 1/16W 10K J		●	●		
497	R535	0700058M	RES CAR 1/16W 22K J		●	●		
498	R537A	0700042M	RES CAR 1/16W 1.2K J		●	●		
499	R751	0700058M	RES CAR 1/16W 22K J		●	●		
500	#C234A	97401107	VANISH TUBE 0.5mm L = 18mm		●		●	
501	C551	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
502	C552	0880012R	CAP POLYESTER 0.022UF 50V K	●	●	●	●	
503	C553	0880184R	CAP POLYESTER 0.018UF 50V J	●	●	●	●	
504	C554	0880194R	CAP POLYESTER 0.1UF 50V J	●	●	●	●	

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
505	C555	0284639R	CAP ELEC 25V 10 UF (NP)	●	●	●	●	
506	C556	0284639R	CAP ELEC 25V 10 UF (NP)	●	●	●	●	
507	C557	0880187R	CAP POLYESTER 0.033UF 50V J	●	●	●	●	
508	C558	0800319R	CAP ELEC 47UF 35V M	●	●	●	●	
509	C559	0800312R	CAP ELEC 33UF 50V M	●	●	●	●	
510	C560	0800303R	CAP ELEC 22UF 50V M	●	●	●	●	
511	C561	0800288R	CAP ELEC 4.7UF 50V M	●	●	●	●	
512	C562	0800312R	CAP ELEC 33UF 50V M	●	●	●	●	
513	C563	0800294R	CAP ELEC 10UF 50V M	●	●	●	●	
514	C564	0880012R	CAP POLYESTER 0.022UF 50V K	●	●	●	●	
515	C565	0880181R	CAP POLYESTER 0.01UF 50V J	●	●	●	●	
516	C566	0880037R	CAP POLYESTER 0.0033UF 50V K	●	●	●	●	
517	D551	2339932M	DI HZS22-2	●	●	●	●	
518	DC563	2339222M	DI HZS27-2	●	●	●	●	
519	E551	ED00366	8PIN CONNECTOR	●	●	●	●	
520	I551	IC-0004AC0	IC HA17358A	●	●	●	●	
521	LK553	2122253M	COIL AXIAL 100UH K	●	●	●	●	
522	Q551	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
523	Q552	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
524	Q553	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
525	Q554	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
526	Q581	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
527	R551	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
528	R552	0700059M	RES CAR 1/16W 27K J	●	●	●	●	
529	R553	RM-S25U272FA	RES MTL OXIDE 1/16W 2.7K-F	●	●	●	●	
530	R554	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
531	R555	0114161M	RES CAR 1/4W 1K J	●	●	●	●	
532	R556	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	
533	R557	AW00299	RES VAR 50K-B	●	●	●	●	
534	R558	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
535	R559	AW00295	RES VAR 2K-B	●	●	●	●	
536	R560	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
537	R561	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
538	R562	0700062M	RES CAR 1/16W 39K J	●	●	●	●	
539	R563	RM-S25U182FA	RES MTL OXIDE 1/16W 1.8K-F	●	●	●	●	
540	R564	AW00297	RES VAR 10K-B	●	●	●	●	

REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
541	R565	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
542	R566	0700042M	RES CAR 1/16W 1.2K J	●	●	●	●	
543	R567	0700065M	RES CAR 1/16W 68K J	●	●	●	●	
544	R568	0700031M	RES CAR 1/16W 180R J	●	●	●	●	
545	R569	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
546	R570	0700052M	RES CAR 1/16W 6.8K J	●	●	●	●	
547	R571	0700036M	RES CAR 1/16W 470R J	●	●	●	●	
548	R572	0700047M	RES CAR 1/16W 3.3K J	●	●	●	●	
549	R573	0700051M	RES CAR 1/16W 5.6K J	●	●	●	●	
550	R574	0700044M	RES CAR 1/16W 1.8K J	●	●	●	●	
551	R575	0700054M	RES CAR 1/16W 10K J	●	●	●	●	
552	R576	0700042M	RES CAR 1/16W 1.2K J	●	●	●	●	
553	R581	0700057M	RES CAR 1/16W 18K J	●	●	●	●	
554	R582	0700063M	RES CAR 1/16W 47K J	●	●	●	●	
555	R583	AT03675M	RES CAR FILM 1/2W 5.6M JB	●	●	●	●	
556	R584	0700075M	RES CAR 1/16W 390K J	●	●	●	●	
557	R585	0700058M	RES CAR 1/16W 22K J	●	●	●	●	
558	R586	0700079M	RES CAR 1/16W 820K J	●	●	●	●	
559	R587	0700075M	RES CAR 1/16W 390K J	●	●	●	●	
560	C803	0246464R	CAP CER 100PF 50V J CH		●	●		
561	C804	0800282R	CAP ELEC 2.2UF 50V M		●	●		
562	C805	0890121R	CAP CER 33PF 50V J CH		●	●		
563	C806	0890121R	CAP CER 33PF 50V J CH		●	●		
564	C807	CE-1TZ103	CAP CER 0.01UF 50V Z		●	●		
565	C809	CE-1TZ104	CAP CER 0.1UF 50V Z		●	●		
566	C811	CE-1TZ104	CAP CER 0.1UF 50V Z		●	●		
567	C812	CE-1TZ103	CAP CER 0.01UF 50V Z		●	●		
568	C814	CE-1TZ104	CAP CER 0.1UF 50V Z		●	●		
569	C815	CE-1TZ104	CAP CER 0.1UF 50V Z		●	●		
570	C816	CE-1TZ104	CAP CER 0.1UF 50V Z		●	●		
571	C817	0800294R	CAP ELEC 10UF 50V M		●	●		
572	C818	CE-1TZ103	CAP CER 0.01UF 50V Z		●	●		
573	C819	0800294R	CAP ELEC 10UF 50V M		●	●		
574	C822	0890118R	CAP CER 22PF 50V J CH		●	●		
575	D801	2338321M	DI 1SS270		●	●		
576	D802	2338321M	DI 1SS270		●	●		

REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
577	D803	2338321M	DI 1SS270		●	●		
578	D804	2338321M	DI 1SS270		●	●		
579	D805	2338321M	DI 1SS270		●	●		
580	D806	2338321M	DI 1SS270		●	●		
581	D807	2338321M	DI 1SS270		●	●		
582	D808	2338321M	DI 1SS270		●	●		
583	D809	2338321M	DI 1SS270		●	●		
584	D810	2338321M	DI 1SS270		●	●		
585	D811	2338321M	DI 1SS270		●	●		
586	E801	ED00374	15PIN CONNECTOR		●	●		
587	I801	IC-0001AH0	IC SAA5264PS/M3/0448		●	●		
588	I802	IC-0001AM0	IC RT9161-33PZL		●	●		
589	I804	IC-0006AC3	IC HA178L05A		●	●		
590	Q801	TB-0003ACR	TRS 2SC5395-E,F		●	●		
591	Q802	TB-0003ACR	TRS 2SC5395-E,F		●	●		
592	Q803	TB-0003ACR	TRS 2SC5395-E,F		●	●		
593	R801	0700049M	RES CAR 1/16W 4.7K JB		●	●		
594	R802	0700049M	RES CAR 1/16W 4.7K JB		●	●		
595	R803	0700049M	RES CAR 1/16W 4.7K JB		●	●		
596	R804	0700049M	RES CAR 1/16W 4.7K JB		●	●		
597	R805	0700049M	RES CAR 1/16W 4.7K JB		●	●		
598	R806	0700049M	RES CAR 1/16W 4.7K JB		●	●		
599	R807	0700049M	RES CAR 1/16W 4.7K JB		●	●		
600	R808	0700049M	RES CAR 1/16W 4.7K JB		●	●		
601	R809	0700049M	RES CAR 1/16W 4.7K JB		●	●		
602	R810	0700049M	RES CAR 1/16W 4.7K JB		●	●		
603	R811	0700049M	RES CAR 1/16W 4.7K JB		●	●		
604	R812	0700049M	RES CAR 1/16W 4.7K JB		●	●		
605	R813	0700027M	RES CAR 1/16W 100 JB		●	●		
606	R814	0700027M	RES CAR 1/16W 100 JB		●	●		
607	R817	0700049M	RES CAR 1/16W 4.7K JB		●	●		
608	R818	0700049M	RES CAR 1/16W 4.7K JB		●	●		
609	R819	0700049M	RES CAR 1/16W 4.7K JB		●	●		
610	R820	0700049M	RES CAR 1/16W 4.7K JB		●	●		
611	R821	0700049M	RES CAR 1/16W 4.7K JB		●	●		
612	R822	0700054M	RES CAR 1/16W 10K JB		●	●		

REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
613	R823	0700054M	RES CAR 1/16W 10K JB		●	●		
614	R824	0700042M	RES CAR 1/16W 1.2K JB		●	●		
615	R825	0700042M	RES CAR 1/16W 1.2K JB		●	●		
616	R826	0700042M	RES CAR 1/16W 1.2K JB		●	●		
617	R827	0700054M	RES CAR 1/16W 10K JB		●	●		
618	R828	0700036M	RES CAR 1/16W 470 JB		●	●		
619	R829	0700036M	RES CAR 1/16W 470 JB		●	●		
620	R830	0700049M	RES CAR 1/16W 4.7K JB		●	●		
621	R831	0700049M	RES CAR 1/16W 4.7K JB		●	●		
622	R832	0700049M	RES CAR 1/16W 4.7K JB		●	●		
623	R833	0700049M	RES CAR 1/16W 4.7K JB		●	●		
624	R834	0700049M	RES CAR 1/16W 4.7K JB		●	●		
625	R835	RM-S25U243FA	RES MTL OXIDE 1/16W 24K F		●	●		
626	R836	0700054M	RES CAR 1/16M 10K JB		●	●		
627	R837	0700054M	RES CAR 1/16M 10K JB		●	●		
628	R838	0700049M	RES CAR 1/16W 4.7K JB		●	●		
629	R839	0700049M	RES CAR 1/16W 4.7K JB		●	●		
630	R840	0700042M	RES CAR 1/16W 1.2K JB		●	●		
631	R841	0700036M	RES CAR 1/16W 470 JB		●	●		
632	R842	0700042M	RES CAR 1/16W 1.2K JB		●	●		
633	R843	0700042M	RES CAR 1/16W 1.2K JB		●	●		
634	R844	0700036M	RES CAR 1/16W 470 JB		●	●		
635	R845	0700046M	RES CAR 1/16W 2.7K JB		●	●		
636	R846	0700036M	RES CAR 1/16W 470 JB		●	●		
637	R847	0700049M	RES CAR 1/16W 4.7K JB		●	●		
638	R848	0700049M	RES CAR 1/16W 4.7K JB		●	●		
639	R849	0700049M	RES CAR 1/16W 4.7K JB		●	●		
640	R850	0700067M	RES CAR 1/16W 100K JB		●	●		
641	R851	0700067M	RES CAR 1/16W 100K JB		●	●		
642	R852	0700045M	RES CAR 1/16W 2.2K JB		●	●		
643	R853	0700045M	RES CAR 1/16W 2.2K JB		●	●		
644	R854	AT03864M	RES MTL OXIDE 1/2W 330 J		●	●		
645	X801	BP01321	CRYSTAL 12MHZ		●	●		
646	C351	0800294R	CAP ELEC 10UF 50V M	●			●	
647	C352	0893122R	CHIP CAP 1608 47PF 50VJ CH	●			●	
648	C353	0800317R	CAP ELEC 47UF 16V M	●			●	

REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
649	C354	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
650	C355	0800294R	CAP ELEC 10UF 50V M	●			●	
651	C356	0893232R	CHIP CAP C1608 0.1UF 25V	●			●	
652	C357	AA01121R	CHIP CAP 1608 0.47UF 10V K	●			●	
653	C358	AA01121R	CHIP CAP 1608 0.47UF 10V K	●			●	
654	C359	0893232R	CHIP CAP C1608 0.1UF 25V	●			●	
655	C360	0800284R	CAP ELEC 3.3UF 50V M	●			●	
656	C361	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
657	C362	0800352R	CAP ELEC 470UF 10V M	●			●	
658	C363	0800352R	CAP ELEC 470UF 10V M	●			●	
659	C371	0893126R	CHIP CAP 1608 100PF 50V J CH	●			●	
660	C372	0893123R	CHIP CAP 1608 56PF 50V J CH	●			●	
661	C373	0893123R	CHIP CAP 1608 56PF 50V J CH	●			●	
662	C374	0893114R	CHIP CAP 1608 12PF 50V J CH	●			●	
663	C375	0893175R	CHIP CAP 1608 1000PF 50V J SL	●			●	
664	C376	0893114R	CHIP CAP 1608 12PF 50V J CH	●			●	
665	C377	0893123R	CHIP CAP 1608 56PF 50V J CH	●			●	
666	C378	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
667	C379	0893175R	CHIP CAP 1608 1000PF 50V J SL	●			●	
668	C380	0800294R	CAP ELEC 10UF 50V M	●			●	
669	C381	0893175R	CHIP CAP 1608 1000PF 50V J SL	●			●	
670	C382	0800294R	CAP ELEC 10UF 50V M	●			●	
671	C383	0893232R	CHIP CAP C1608 0.1UF 25V	●			●	
672	C384	0893232R	CHIP CAP C1608 0.1UF 25V	●			●	
673	C385	0800317R	CAP ELEC 47UF 16V M	●			●	
674	C386	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
675	C387	0800317R	CAP ELEC 47UF 16V M	●			●	
676	C388	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
677	C389	0800317R	CAP ELEC 47UF 16V M	●			●	
678	C390	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
679	C391	CH-25V105ZAV	CHIP CAP 1608 1UF Z 25V	●			●	
680	C392	0893175R	CHIP CAP 1608 1000PF 50V J SL	●			●	
681	C393	0893175R	CHIP CAP 1608 1000PF 50V J SL	●			●	
682	C394	0800353R	CAP ELEC 470UF 16V M	●			●	
683	C395	0893193R	CHIP CAP 1608 0.01UF 25V K	●			●	
684	C397	0893127R	CHIP CAP 1608 120PF 50V J CH	●			●	




REPLACEMENT PARTS LIST

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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
685	D351	DS-0001AC1	CHIP DIODE HSM2838	●			●	
686	E351	CN-A13P01AU	13 PIN CONNECTOR	●			●	
687	I352	IC-0001AQ0	IC-C-MOS MSP3410G-QI-B8V3	●			●	
688	I353	IC-0006AC3	IC HA178L05A	●			●	
689	I354	IC-0007AC3	IC HA178L09	●			●	
690	I355	IC-0008AC3	IC M51951BSL	●			●	
691	L351	2123103M	COIL AXIAL 10UH K	●			●	
692	L352	LF-T100J	RADIAL COIL 10U K	●			●	
693	L353	2123411M	COIL AXIAL 1UH K	●			●	
694	L354	2123103M	COIL AXIAL 10UH K	●			●	
695	L357	2123411M	COIL AXIAL 1UH K	●			●	
696	Q352	TB-0004AC1	TRS. CHIP 2SC4265JCTR-E	●			●	
697	Q354	TB-0005AC1	TRS. CHIP 2SC3052-T112-E,F	●			●	
698	Q355	TB-0005AC1	TRS. CHIP 2SC3052-T112-E,F	●			●	
699	R351	0790031R	CHIP RES RNC 1/16W 330R J	●			●	
700	R352	0790041R	CHIP RES RNC 1/16W 1.8K J	●			●	
701	R359	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
702	R360	0790033R	CHIP RES RNC 1/16W 470R J	●			●	
703	R361	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
704	R363	0790038R	CHIP RES RNC 1/16W 1.2K J	●			●	
705	R364	0790001R	CHIP RES RNC 1/16W 0R	●			●	
706	R366	0790028R	CHIP RES RNC 1/16W 220R J	●			●	
707	R367	0790051R	CHIP RES RNC 1/16W 10K J	●			●	
708	R368	0790037R	CHIP RES RNC 1/16W 1K J	●			●	
709	R369	0790038R	CHIP RES RNC 1/16W 1.2K J	●			●	
710	R370	0790042R	CHIP RES RNC 1/16W 2.2K J	●			●	
711	R371	0790051R	CHIP RES RNC 1/16W 10K J	●			●	
712	R372	0790037R	CHIP RES RNC 1/16W 1K J	●			●	
713	R373	0790051R	CHIP RES RNC 1/16W 10K J	●			●	
714	R377	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
715	R378	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
716	R379	0790001R	CHIP RES RNC 1/16W 0R	●			●	
717	R380	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
718	R381	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
719	R384	0790037R	CHIP RES RNC 1/16W 1K J	●			●	
720	R385	0790042R	CHIP RES RNC 1/16W 2.2K J	●			●	


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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
721	R386	0790051R	CHIP RES RNC 1/16W 10K J	●			●	
722	R387	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
723	R388	0790024R	CHIP RES RNC 1/16W 100R J	●			●	
724	R395	0790001R	CHIP RES RNC 1/16W 0R	●			●	
725	X352	CP-04M43AP	CERAMIC-TRAP TPSRF4M43J00-B0	●			●	
726	X353	BP01161	X'TAL 18.432M	●			●	
727	E404	EQ00212	JACK-3P YKC21-5071	●	●	●	●	Only Front Control Model
728	E906L	2729252BR-H	FUSE HOLDER	●	●	●	●	Only Front Control Model
729	E906R	2729252BR-H	FUSE HOLDER	●	●	●	●	Only Front Control Model
730	 F901	2721615A	FUSE T3.15A	●	●	●	●	Only Front Control Model
731	R702	0700032M	RES CAR 1/16W 220R J	●	●	●	●	Only Front Control Model
732	R703	0700032M	RES CAR 1/16W 220R J	●	●	●	●	Only Front Control Model
733	R704	0700034M	RES CAR 1/16W 330R J	●	●	●	●	Only Front Control Model
734	R705	0700037M	RES CAR 1/16W 560R J	●	●	●	●	Only Front Control Model
735	R706	0700039M	RES CAR 1/16W 820R J	●	●	●	●	Only Front Control Model
736	S702	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Front Control Model
737	S703	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Front Control Model
738	S704	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Front Control Model
739	S705	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Front Control Model
740	S707	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Front Control Model
741	 S901	FG00221	POWER SWITCH	●	●	●	●	Only Front Control Model
742	RK704	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	Only Front Control Model
743	X701	CZ01161	RC RECEIVER	●	●	●	●	Only Front Control Model
744	#D701	TSP2015601	LED HOLDER	●	●	●	●	Only Front Control Model
745	D701	CH02081	LED	●	●	●	●	Only Front Control Model
746	EP404	EQ00212	JACK-3P YKC21-5071	●	●	●	●	Only Side Control Model
747	EP906L	2729252BR-H	FUSE HOLDER	●	●	●	●	Only Side Control Model
748	EP906R	2729252BR-H	FUSE HOLDER	●	●	●	●	Only Side Control Model
749	 FP901	2721617	FUSE T5A	●	●	●	●	Only Side Control Model
750	RP702	0700032M	RES CAR 1/16W 220R J	●	●	●	●	Only Side Control Model
751	RP703	0700032M	RES CAR 1/16W 220R J	●	●	●	●	Only Side Control Model
752	RP704	0700034M	RES CAR 1/16W 330R J	●	●	●	●	Only Side Control Model
753	RP705	0700037M	RES CAR 1/16W 560R J	●	●	●	●	Only Side Control Model
754	RP706	0700039M	RES CAR 1/16W 820R J	●	●	●	●	Only Side Control Model
755	RP707	0700045M	RES CAR 1/16W 2.2K J	●	●	●	●	Only Side Control Model
756	SP701	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model

REPLACEMENT PARTS LIST


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NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
757	SP702	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model
758	SP703	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model
759	SP704	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model
760	SP705	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model
761	SP706	TA-0001AI	TACT SWITCH EVQ11A05R	●	●	●	●	Only Side Control Model
762	 SP901	FG00221	POWER SWITCH	●	●	●	●	Only Side Control Model
763	XR701	CZ01161	RC RECEIVER	●	●	●	●	Only Side Control Model
764	#DR701	TSP2015601	LED HOLDER	●	●	●	●	Only Side Control Model
765	DR701	CH02081	LED	●	●	●	●	Only Side Control Model

VMCRT


1	C651	0890082R	CAP CER 390PF 50V K	●	●	●	●	
2	C652	0890082R	CAP CER 390PF 50V K	●	●	●	●	
3	C653	0890082R	CAP CER 390PF 50V K	●	●	●	●	
4	C654	0890087R	CAP CER 1000PF 50V K	●	●	●	●	
5	C655	0890087R	CAP CER 1000PF 50V K	●	●	●	●	
6	C656	0890087R	CAP CER 1000PF 50V K	●	●	●	●	
7	C657	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
8	C658	0800354R	CAP ELEC 470UF 25V M	●	●	●	●	
9	C659	0299914F	CAP POLYPROPY 0.01UF 200V K	●	●	●	●	
10	C660	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
11	C661	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
12	C662	CE-1TZ103	CAP CER 0.01UF 50V Z	●	●	●	●	
13	C663	0890123R	CAP CER 47PF 50V J CH	●	●	●	●	
14	C664	0800319R	CAP ELEC 47UF 35V M	●	●	●	●	
15	C665	0247846R	CAP CER 47PF 500V J SL	●	●	●	●	
16	C666	AL00006R	CAP ELEC 10UF 160V M	●	●	●	●	
17	C667	0800317R	CAP ELEC 47UF 16V M	●	●	●	●	
18	C668	0800326R	CAP ELEC 100UF 16V M	●	●	●	●	
19	C669	0246466R	CAP CER 120PF 50V J CH	●	●	●	●	
20	C672	0800319R	CAP ELEC 47UF 35V M	●	●	●	●	
21	C673	AL00007	CAP ELEC 22UF 160V M	●	●	●	●	
22	C674	0890081R	CAP CER 330PF 50V K	●	●	●	●	
23	C675	AJ00559	CAP CER 2200PF 2KV K	●	●	●	●	
24	D651	2338321M	DI 1SS270	●	●	●	●	


REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE : Components marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing


NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
25	D652	2338321M	DI 1SS270	●	●	●	●	
26	D653	DS-0005AAM	DI EU1(V1)	●	●	●	●	
27	D654	DS-0005AAM	DI EU1(V1)	●	●	●	●	
28	DQ661	2338321M	DI 1SS270	●	●	●	●	
29	E202	2902265	6P CONNECTOR	●	●	●	●	
30	E502	2902263	4P WITH BASE	●	●	●	●	
31	E505	2902262	PLUG PIN SUB MINI	●	●	●	●	
32	E651	ED03172	2P WITH BASE	●	●	●	●	
33	E652	2902261	2P CONNECTOR	●	●	●	●	
34	 E654	2698352C	CRT SOCKET HPS0521-010401	●	●	●	●	
35	L651	2123766R	COIL RADIAL 180UH K	●	●	●	●	
36	L652	2123766R	COIL RADIAL 180UH K	●	●	●	●	
37	L653	2123766R	COIL RADIAL 180UH K	●	●	●	●	
38	L654	2123116M	COIL AXIAL 100UH K	●	●	●	●	
39	L655	2123407M	COIL AXIAL 0.47UH K	●	●	●	●	
40	L656	BH01162M	FERRITE BEAD CORE 2.3UH	●	●	●	●	
41	L657	2123109M	COIL AXIAL 33UH K	●	●	●	●	
42	L661	BH00697R	COIL RADIAL 100UH K	●	●	●	●	
43	L662	BH00697R	COIL RADIAL 100UH K	●	●	●	●	
44	L663	BH00697R	COIL RADIAL 100UH K	●	●	●	●	
45	Q651	TB-0002AFR	TRS 2SC3620 (Form1)	●	●	●	●	
46	Q652	TB-0002AFR	TRS 2SC3620 (Form1)	●	●	●	●	
47	Q653	TB-0002AFR	TRS 2SC3620 (Form1)	●	●	●	●	
48	Q654	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
49	Q655	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
50	Q656	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
51	Q657	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
52	Q658	TB-0001ACR	TRS 2SA1993-E,F	●	●	●	●	
53	Q659	TB-0003AFR	TRS 2SA1930(LBS4MBS-K)	●	●	●	●	
54	Q660	TB-0004AFR	TRS 2SC5171(LBS4MBS-K)(Form)	●	●	●	●	
55	Q661	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
56	Q663	TB-0003ACR	TRS 2SC5395-E,F	●	●	●	●	
57	R651	0700063M	RES CAR 1/16W 47K J	●	●	●	●	
58	R653	AT03863M	RES CAR 1/2W 270R J	●	●	●	●	
59	R654	0700044M	RES CAR 1/16W 1.8K J	●	●	●	●	
60	R655	0700044M	RES CAR 1/16W 1.8K J	●	●	●	●	





REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE : Components marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing

NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
61	R656	0700044M	RES CAR 1/16W 1.8K J	●	●	●	●	
62	R657	0700017M	RES CAR 1/16W 18R J	●	●	●	●	
63	 R658	RF-S50F471JA	RES FUSE 1/2W 470R J	●	●	●	●	
64	R659	0700037M	RES CAR 1/16W 560R J	●	●	●	●	
65	R660	0700065M	RES CAR 1/16W 68K J	●	●	●	●	
66	R661	0700024M	RES CAR 1/16W 56R J	●	●	●	●	
67	R662	0700024M	RES CAR 1/16W 56R J	●	●	●	●	
68	R663	0700024M	RES CAR 1/16W 56R J	●	●	●	●	
69	R664	0700033M	RES CAR 1/16W 270R J	●	●	●	●	
70	R665	0700033M	RES CAR 1/16W 270R J	●	●	●	●	
71	R666	0700033M	RES CAR 1/16W 270R J	●	●	●	●	
72	R667	0700065M	RES CAR 1/16W 68K J	●	●	●	●	
73	R668	AT03853M	RES CAR 1/2W 47R J	●	●	●	●	
74	R669	0188096M	RES CAR 1/2W 2.7R J	●	●	●	●	
75	R670	RM-W02F331JA	RES MTL OXIDE 2W 330R J	●	●	●	●	
76	R671	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
77	R672	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
78	R673	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
79	R674	0700046M	RES CAR 1/16W 2.7K J	●	●	●	●	
80	R675	0700041M	RES CAR 1/16W 1K J	●	●	●	●	
81	R676	0700038M	RES CAR 1/16W 680R J	●	●	●	●	
82	R677	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
83	R678	0700055M	RES CAR 1/16W 12K J	●	●	●	●	
84	R680	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
85	R681	RM-W03F123JA	RES MTL OXIDE 3W 12K J	●	●	●	●	
86	R682	RM-W03F123JA	RES MTL OXIDE 3W 12K J	●	●	●	●	
87	R683	RM-W03F123JA	RES MTL OXIDE 3W 12K J	●	●	●	●	
88	R685	0700027M	RES CAR 1/16W 100R J	●	●	●	●	
89	R686	0700037M	RES CAR 1/16W 560R J	●	●	●	●	
90	R687	AT03853M	RES CAR 1/2W 47R J	●	●	●	●	
91	R688	0188096M	RES CAR 1/2W 2.7R J	●	●	●	●	
92	R689	0700038M	RES CAR 1/16W 680R J	●	●	●	●	
93	R690	0700025M	RES CAR 1/16W 68R J	●	●	●	●	
94	R691	AT03867M	RES CAR 1/2W 560R J	●	●	●	●	
95	R692	AT03867M	RES CAR 1/2W 560R J	●	●	●	●	
96	R693	AT03867M	RES CAR 1/2W 560R J	●	●	●	●	

REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE : Components marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing

NO	CCT NO.	HITACHI PARTS NO.	HITACHI DESCRIPTION	SN	ST	SNT	S	REMARK
97	R694	AT03844M	RES CAR 1/2W 10R J	●	●	●	●	
98	R695	0100095M	RES CAR 1/8W 18K J	●	●	●	●	
99	R696	0100095M	RES CAR 1/8W 18K J	●	●	●	●	
100	R697	0100095M	RES CAR 1/8W 18K J	●	●	●	●	
101	 V1	PT-A29F01AI	FLAT CRT A68QCU770X71N LG	●	●	●	●	
	 V1	PT-B29F01AI	FLAT CRT A68QCU770X71N LG	●	●	●	●	
102	 -	BY01911	DY 29 INCH	●	●	●	●	
103	 -	2276067L	DEGUASSING COIL	●	●	●	●	

APPENDIX

I. For using AC CORD , please see information in Table 1

Table 1.

No	Part No	Description	Destination
1	TWI4002601P	AC CORD	Code 071, 193 (SAU)
2	2972581A	AC CORD	All code, except Code 051,081,433,435,101,193(SAU), 193(KUW),194(IRAN),194(Brunei)
3	2972591A	AC CORD	Code 081 ,433 , 435 , 101 , 194 (IRAN) , 194(Brunei)
4	EV00071U	AC CORD	Code 051 , 193 (KUW)

II. For using I702, Please see information in Table 2

Table 2.

No	Part No	Description	Destination
1	IC-0010AC1 IC-0005AC1	IC M37160M8-081FP(V0.62) IC M37160M8-074FP(V0.60)	Code 071
2	IC-0010AC1	IC M37160M8-081FP(V0.62)	All code except code 193, 194
3	IC-0009AC1 IC-0011AC1	IC M37160M8-077FP(V5.62) IC M37160M8-082FP(V5.63)	Code 193, 194

III. Front control or Side control

Table 3.

No	Model Name	Control	
		Front control	Side control
1	C29-TF641S/SN/ST/SNT		●
2	C29-TF651S/SN/ST/SNT		●
3	C29-TF751S/SN/ST/SNT	●	

HITACHI

Hitachi Consumer Products (Thailand) , Ltd.

99/9 Moo 3 Soi Wat Saothongklang, Bangna-Trad k.m.23rd Rd., Tambol Bangsaothong,

Ging Amphur Bangsaothong, Samutprakarn 10540

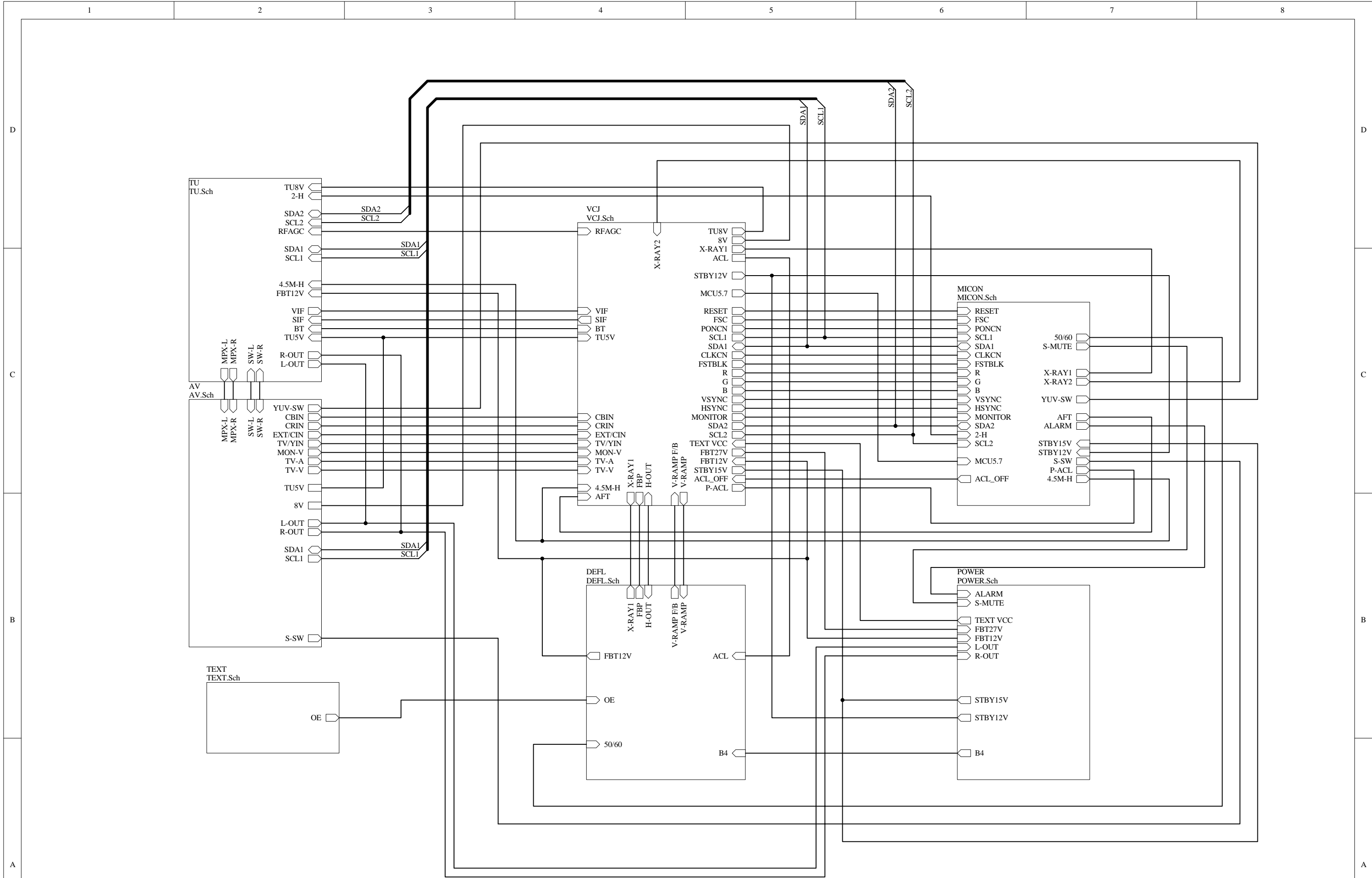
Tel. (001-66-2) 3979040 Fax. (001-66-2) 3979050

Hitachi, Ltd.

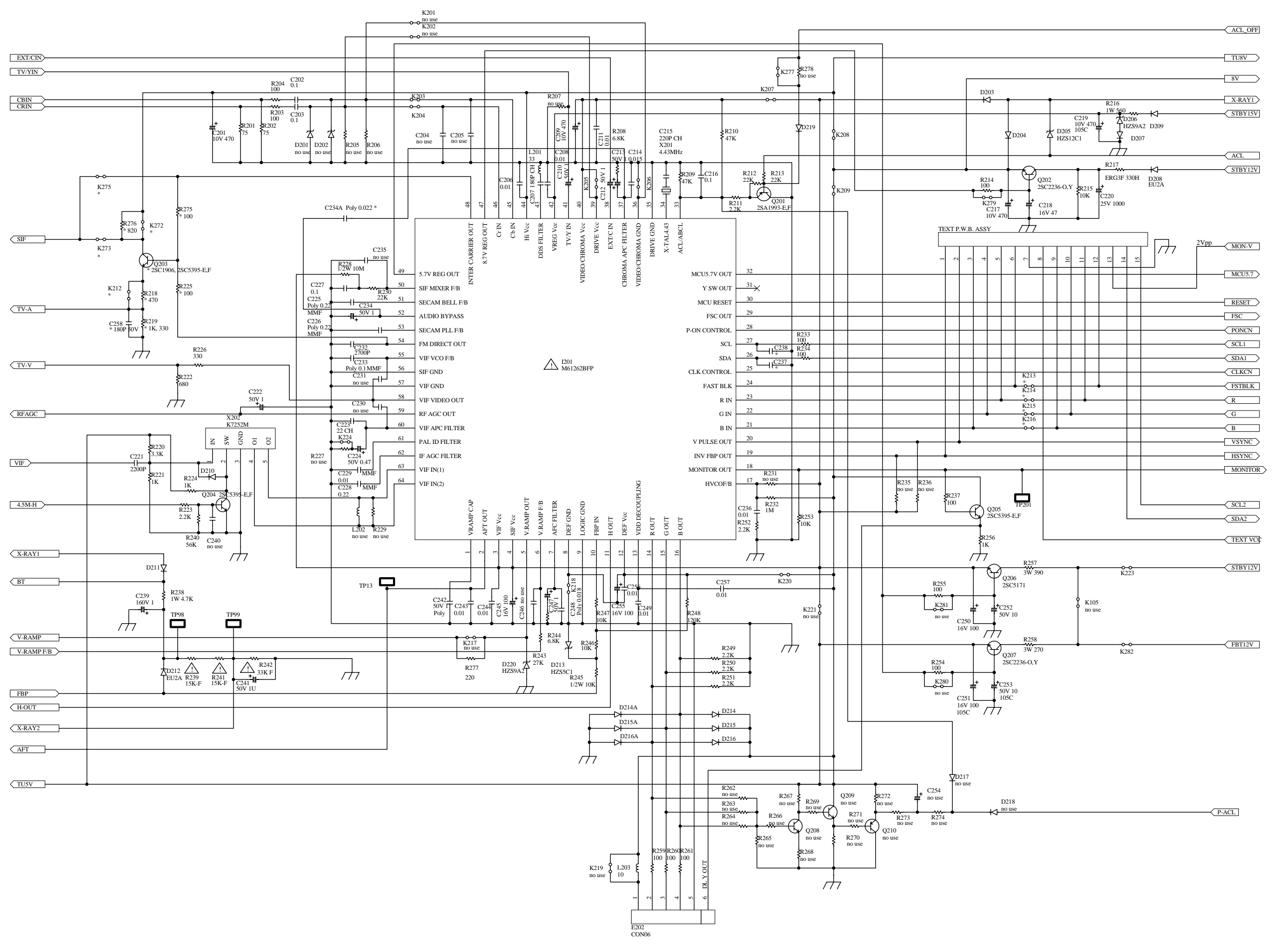
Head Office : 5-1 , 1-Chome, Marunouchi, Chiyoda-ku, Tokyo

Tel : TOKYO (212) 1111 (80 Lines)

Cable Address : " HITACHY " TOKYO Codes : All Codes Used

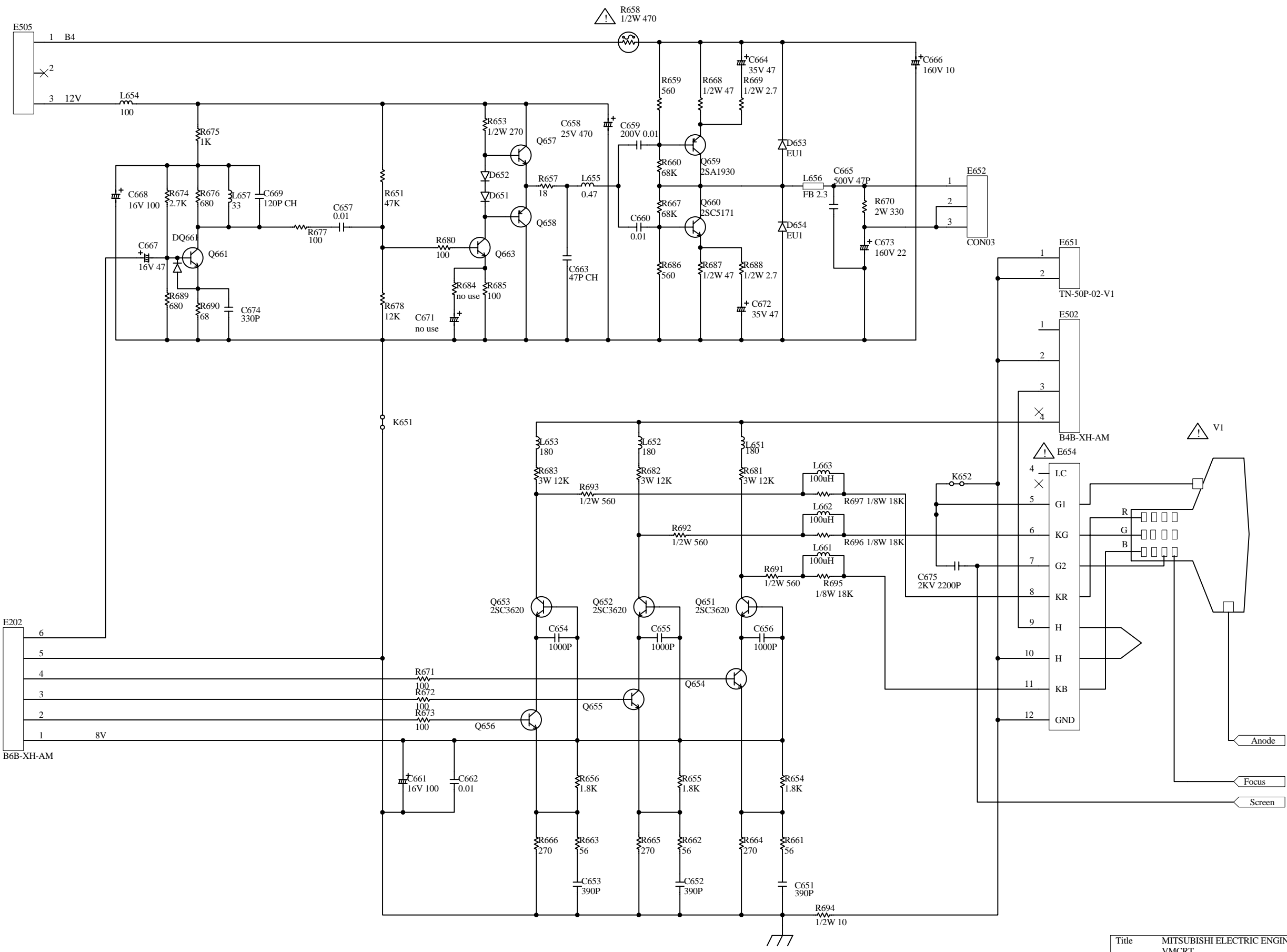


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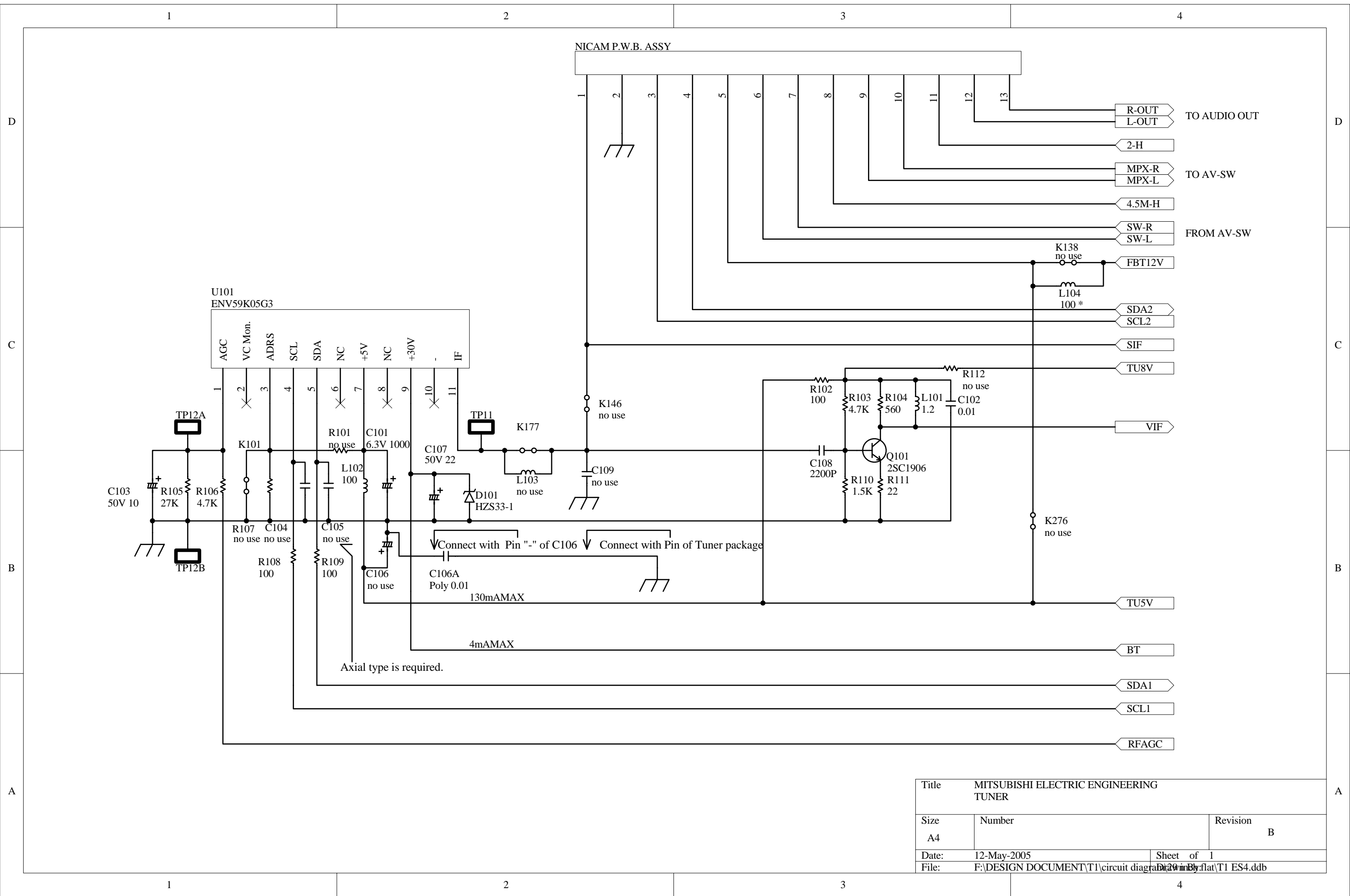


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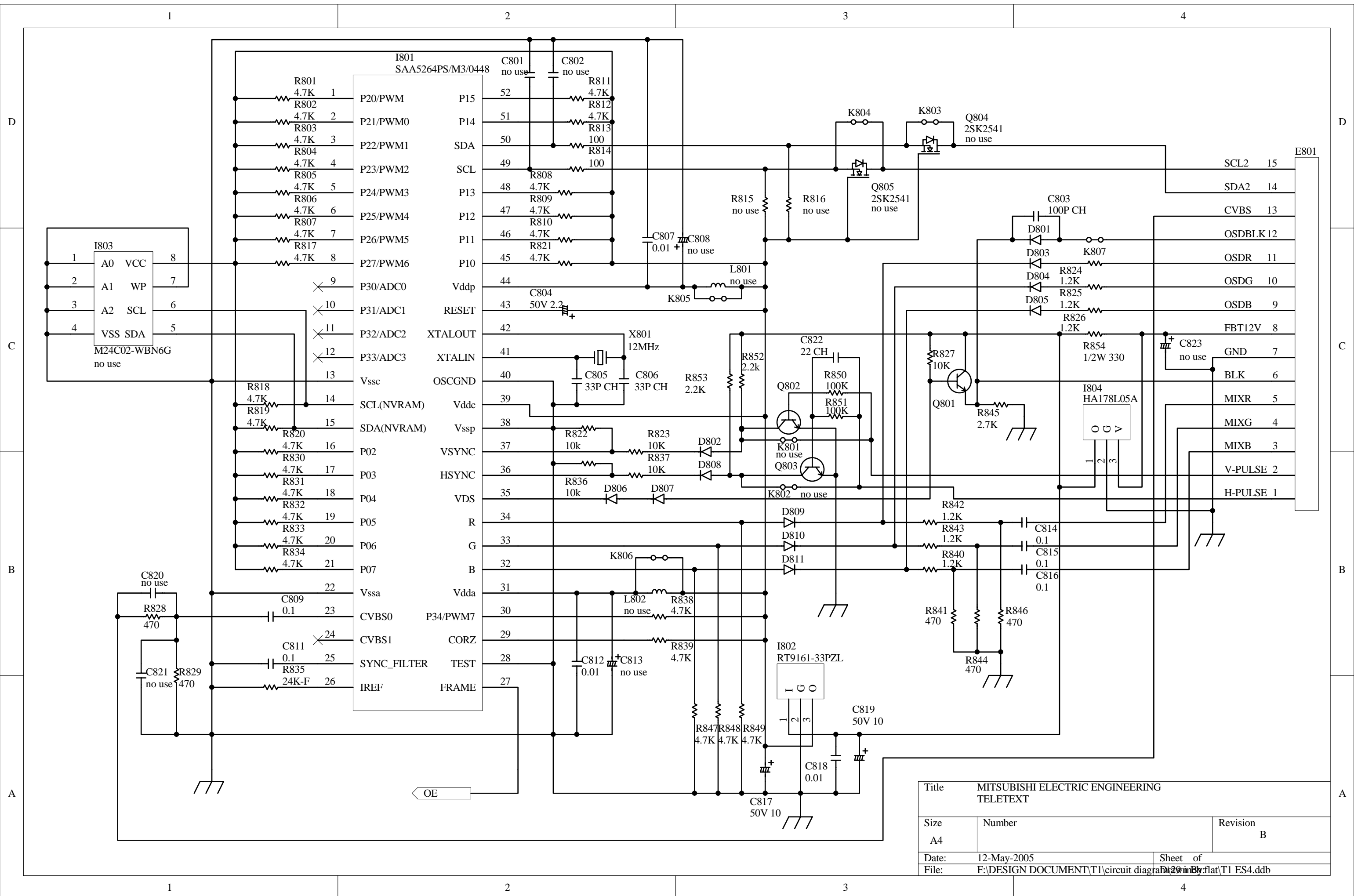
For 29" MODEL



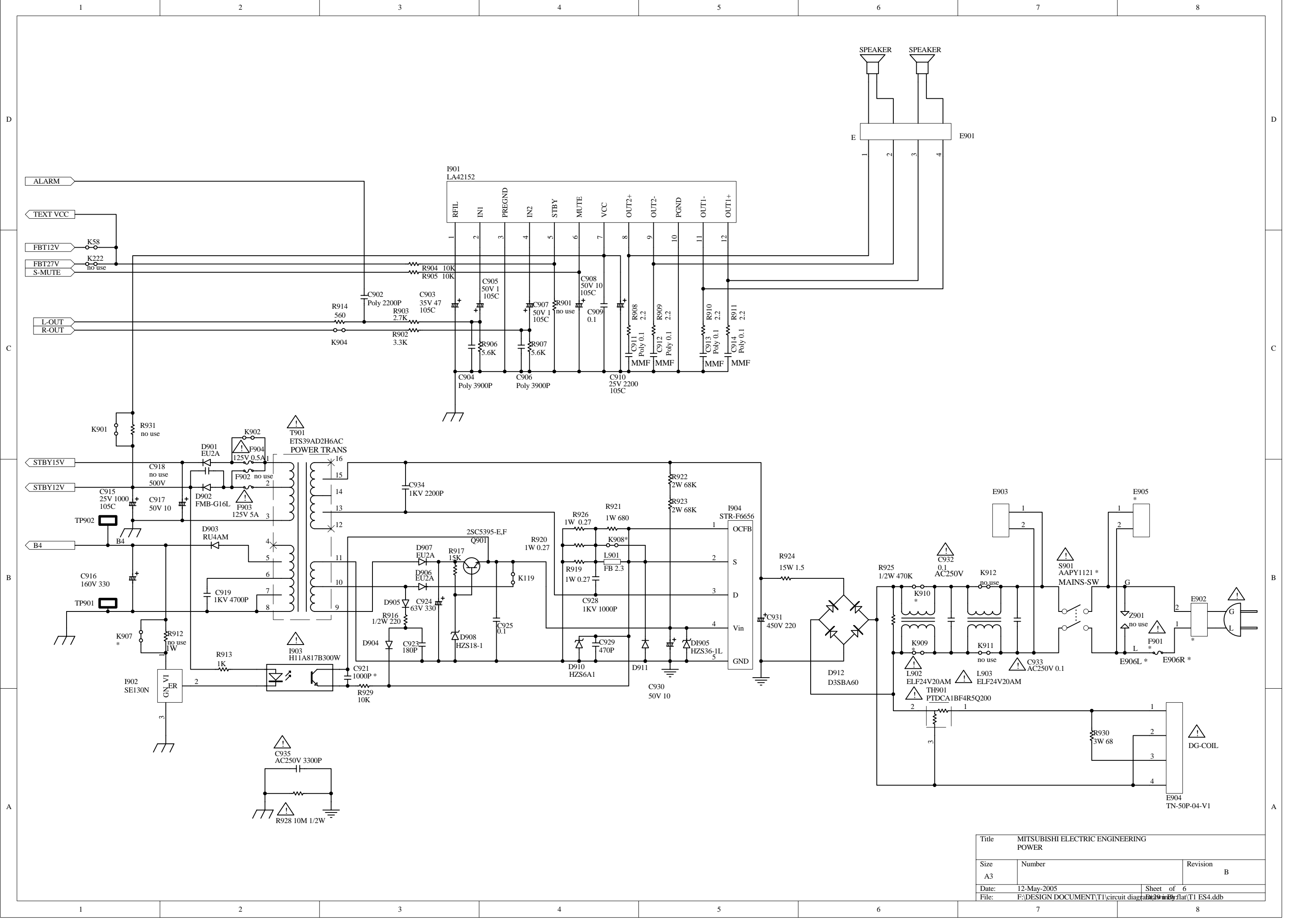
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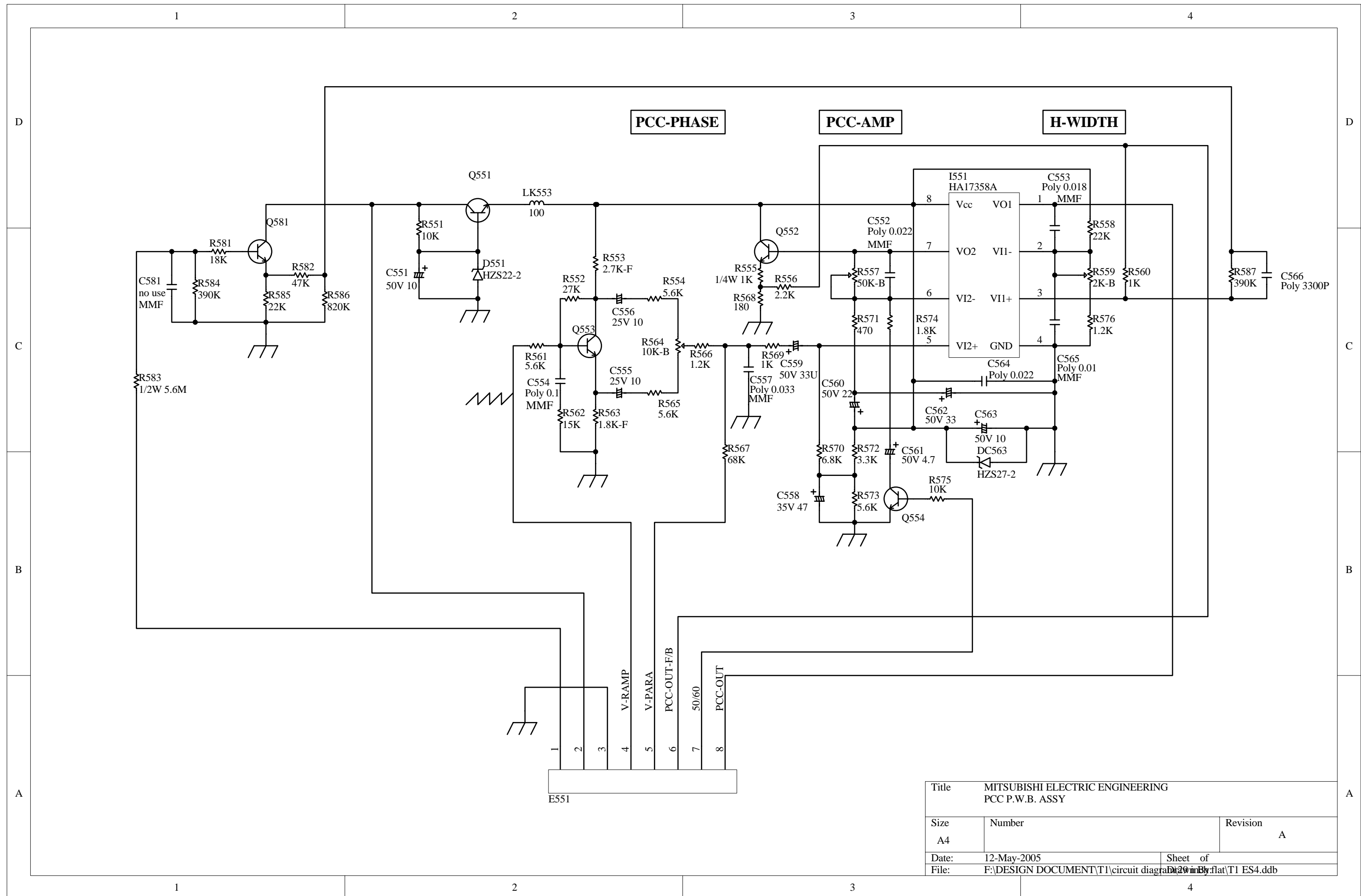
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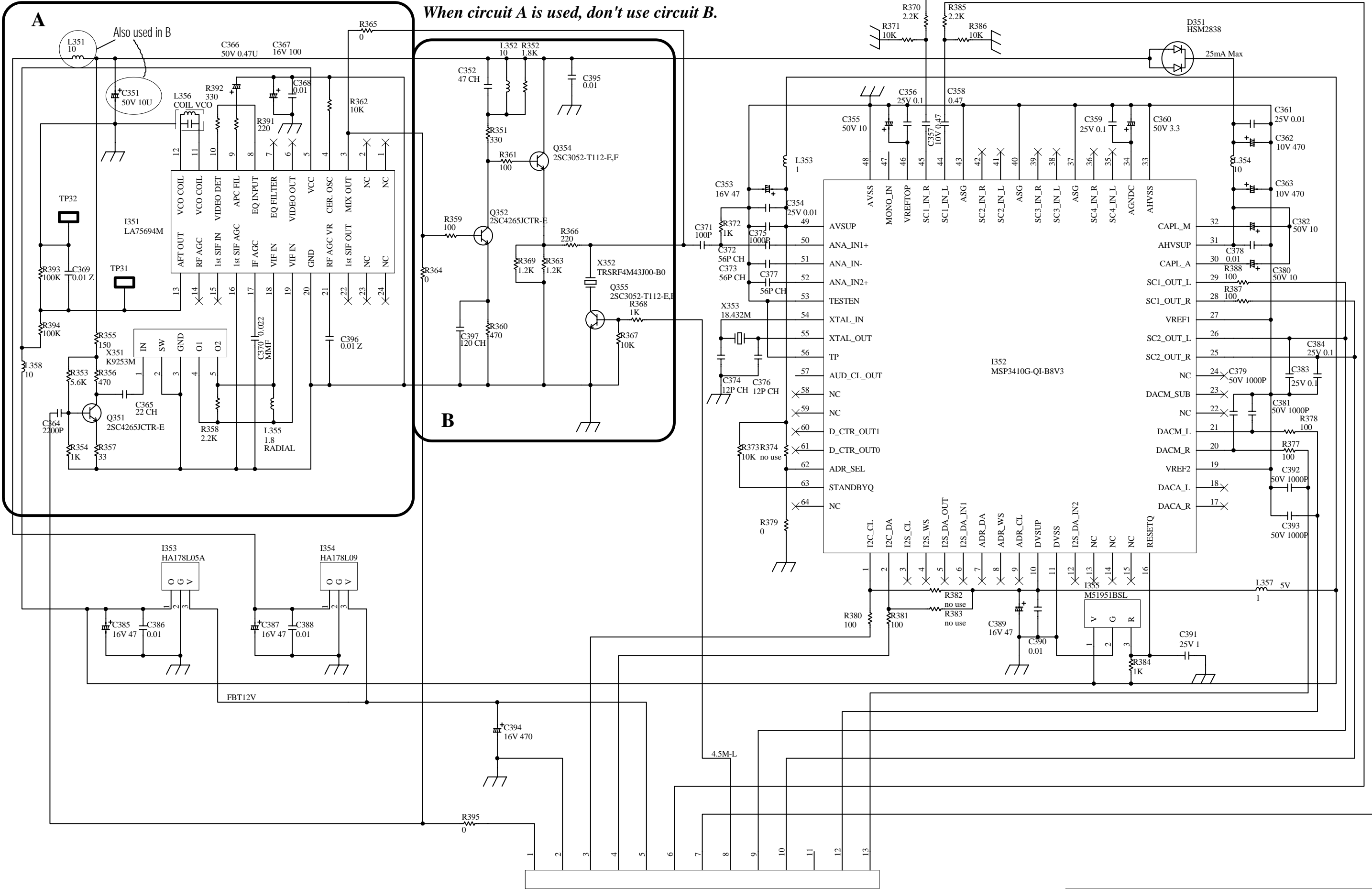


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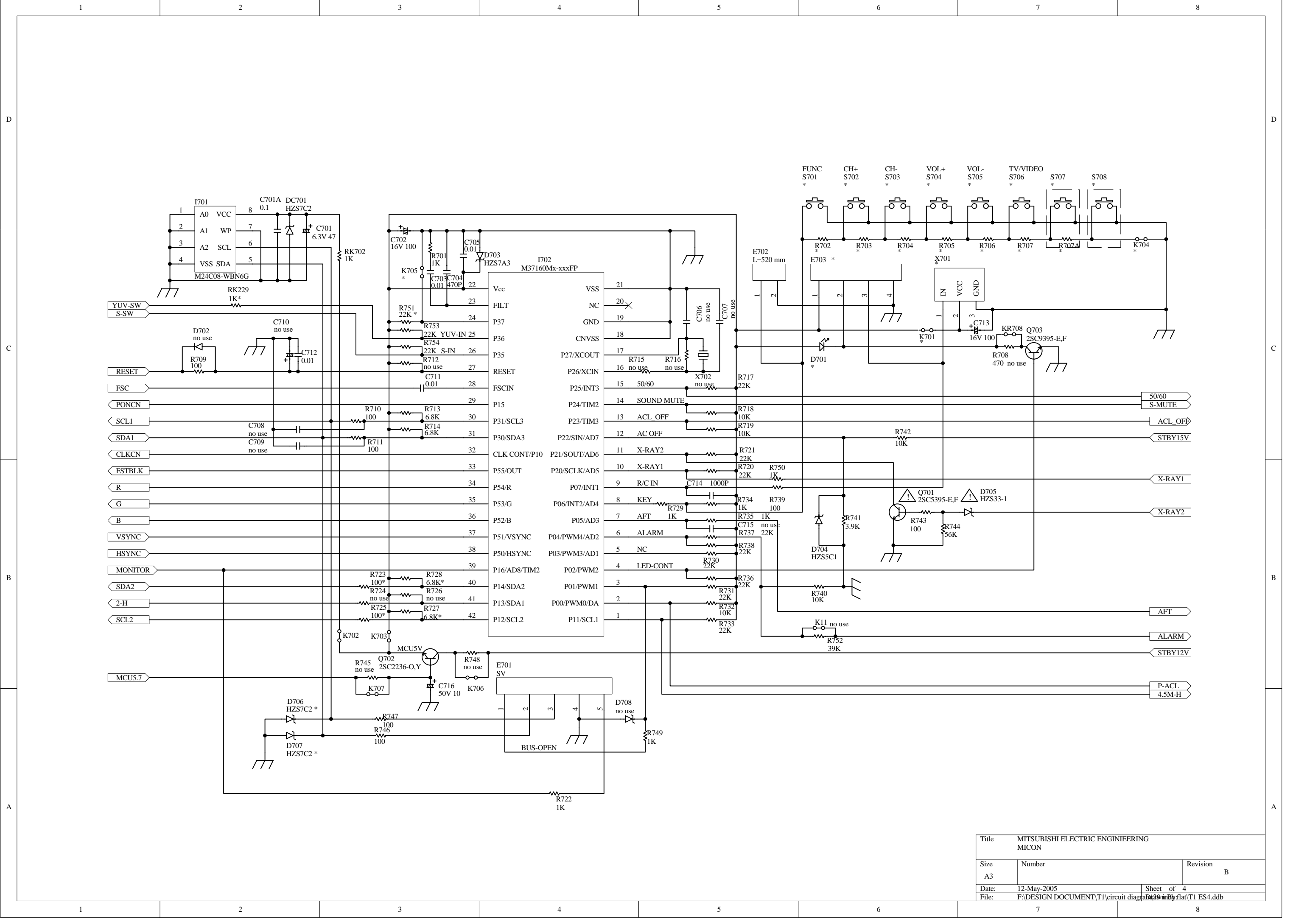


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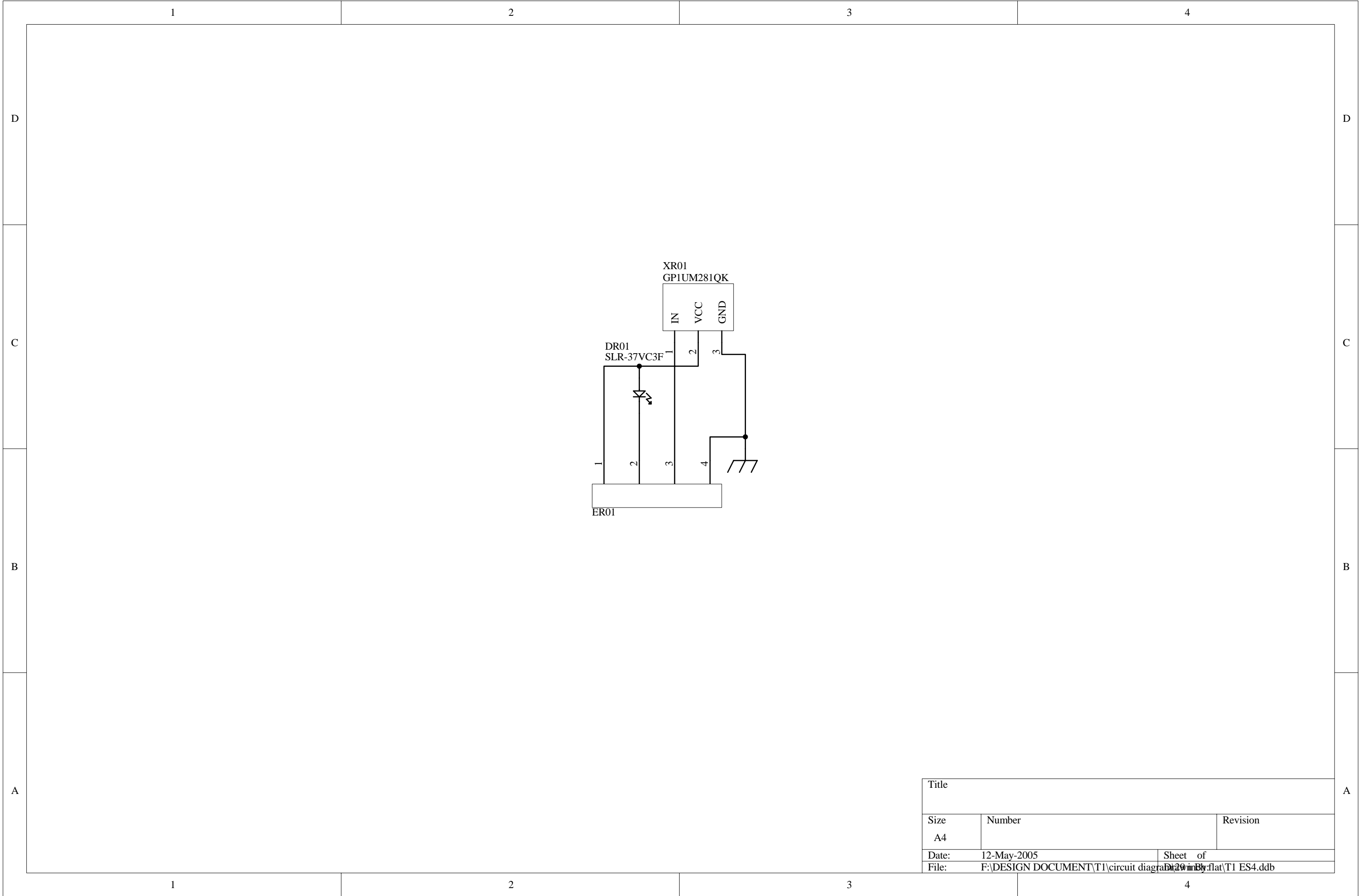
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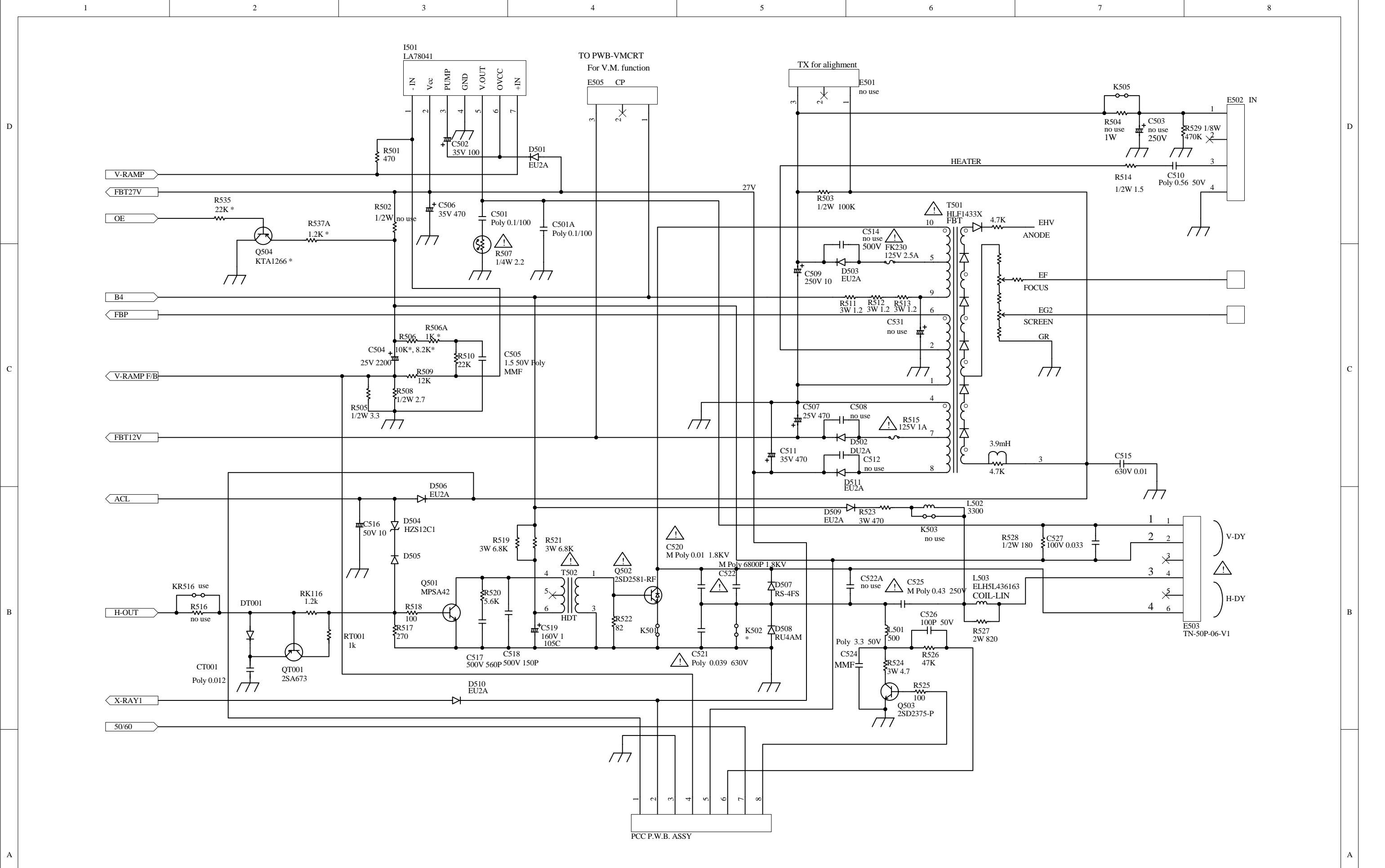
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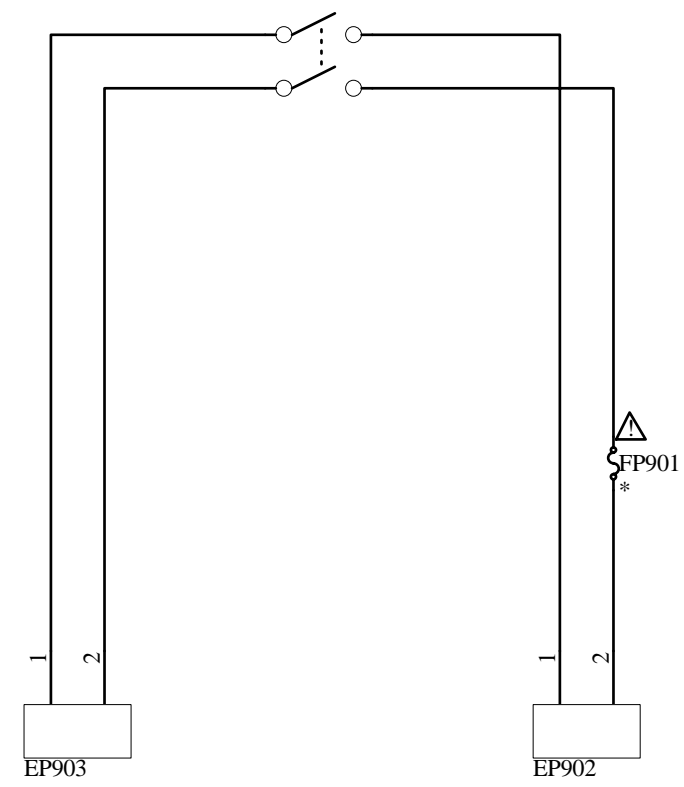
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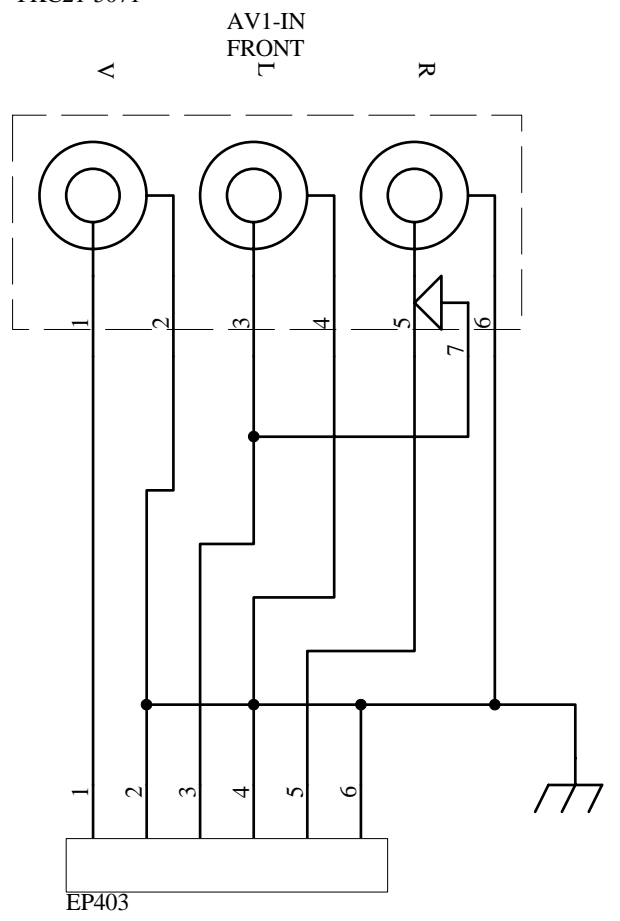
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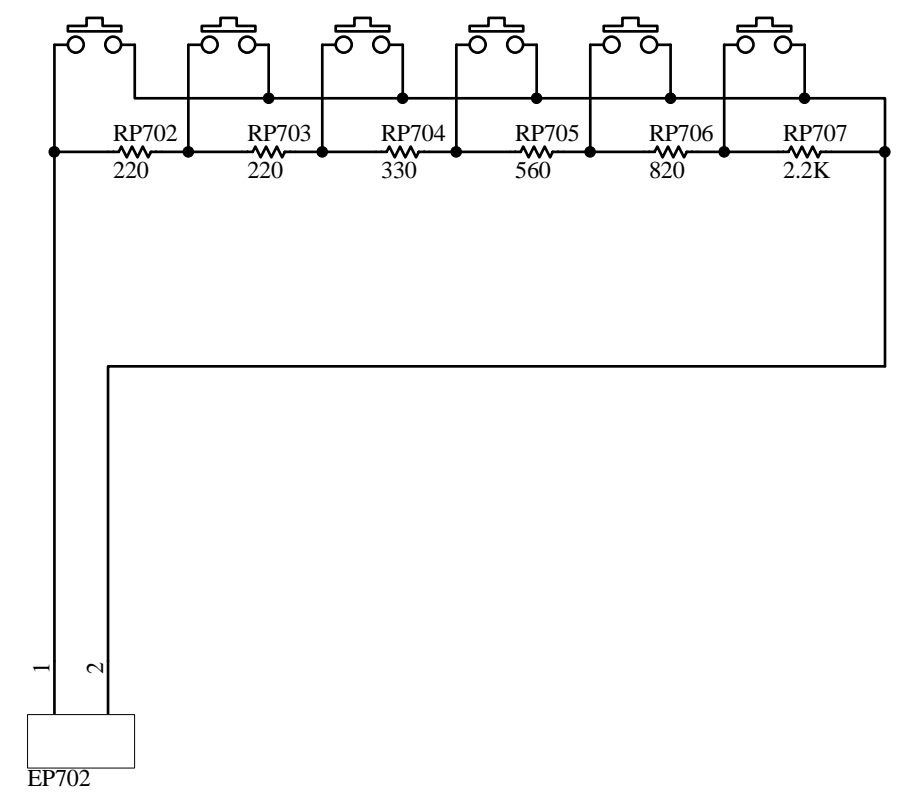

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 MAINS-SW



EP404
 YKC21-5071



FUNC SP701 EVQ11A05R
 CH+ SP702 EVQ11A05R
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 VOL- SP705 EVQ11A05R
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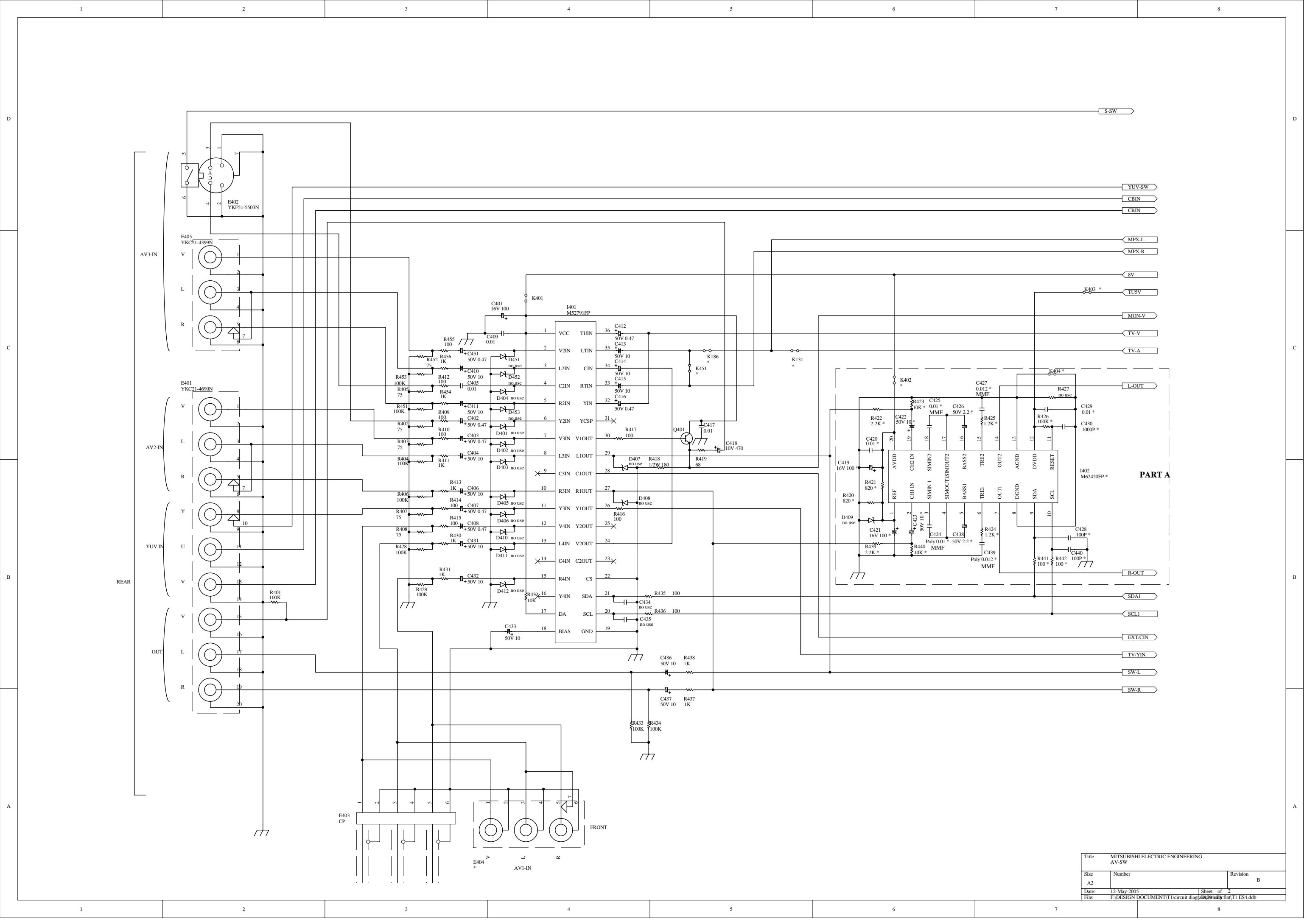
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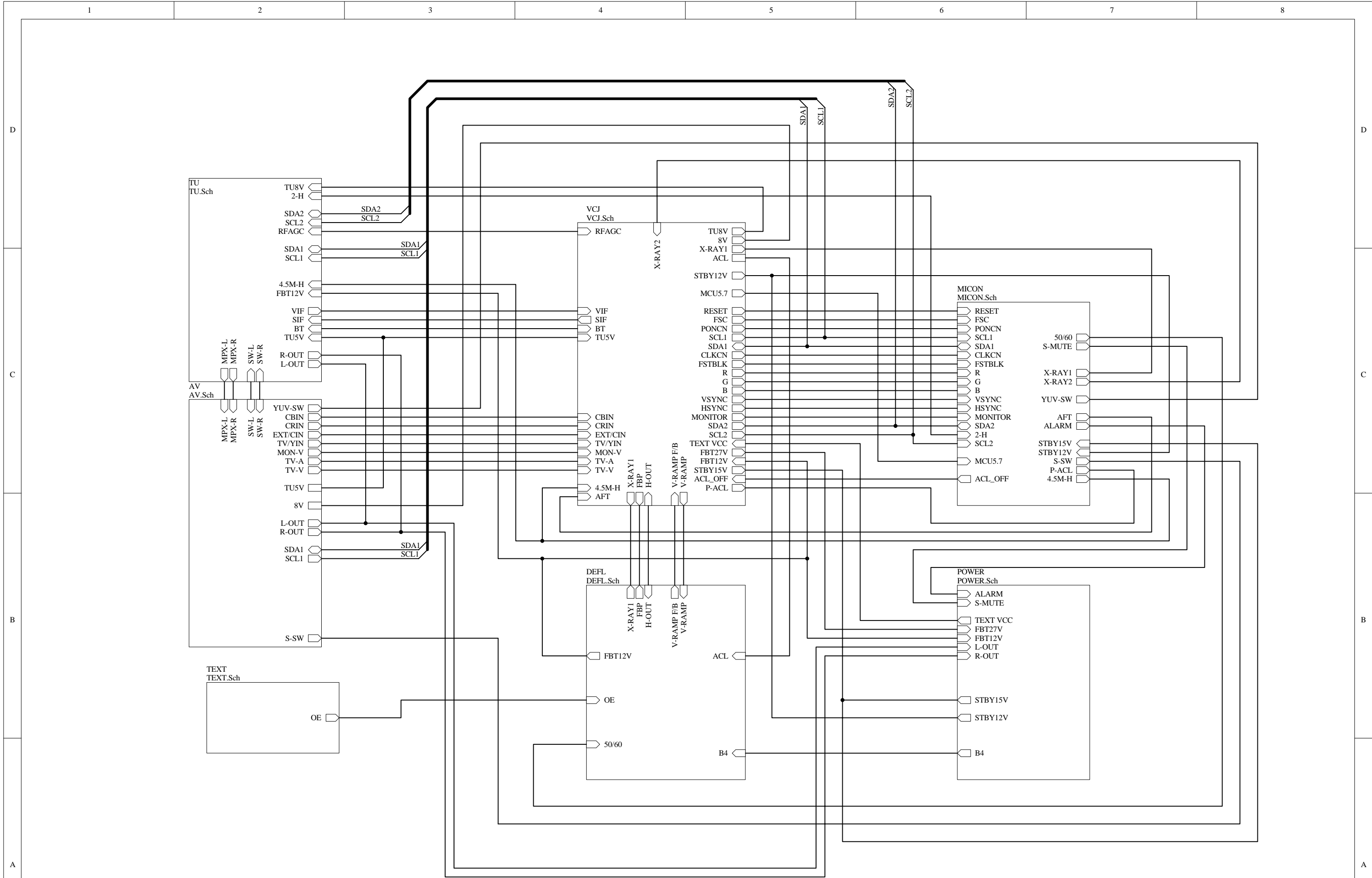
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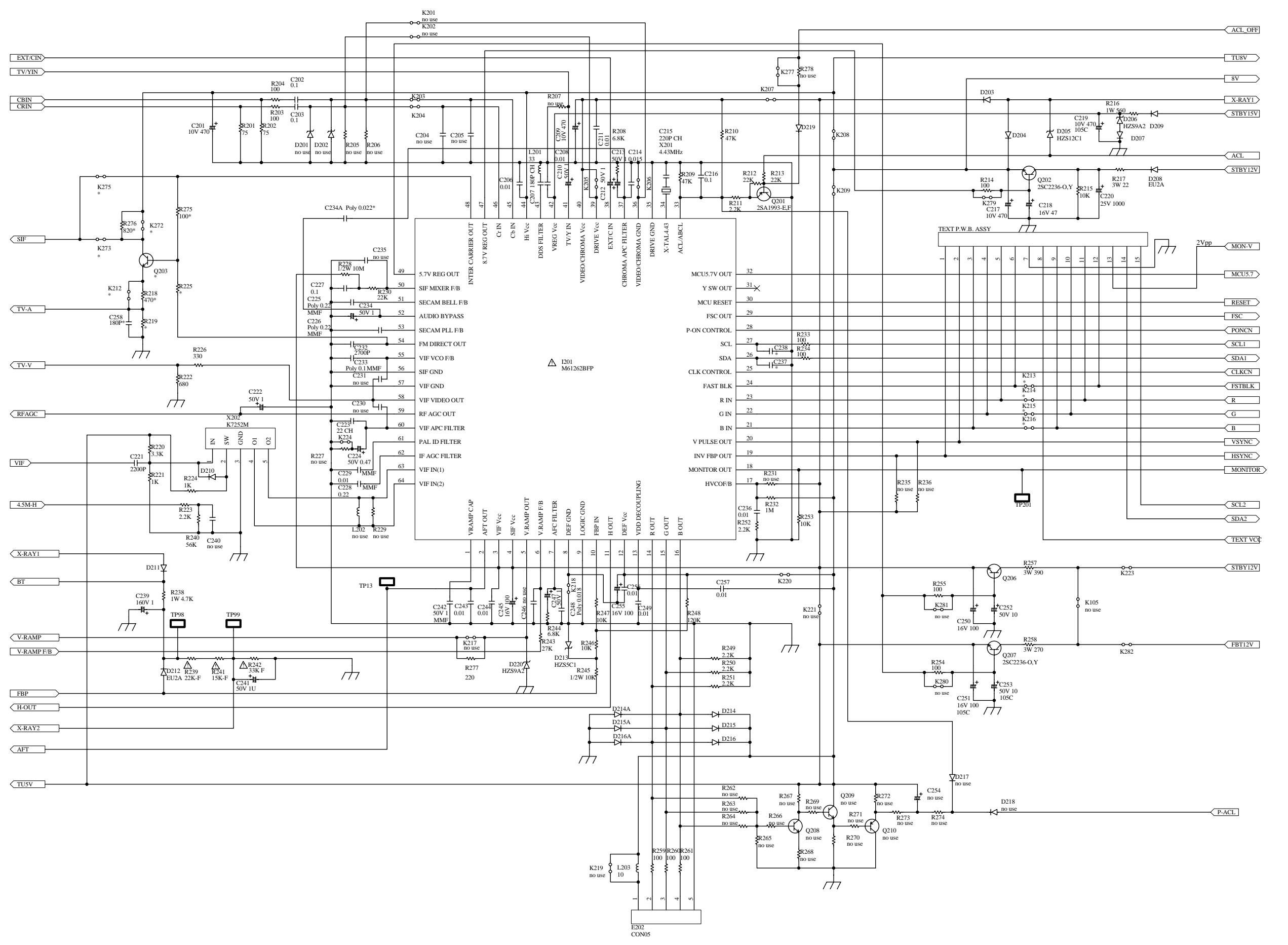
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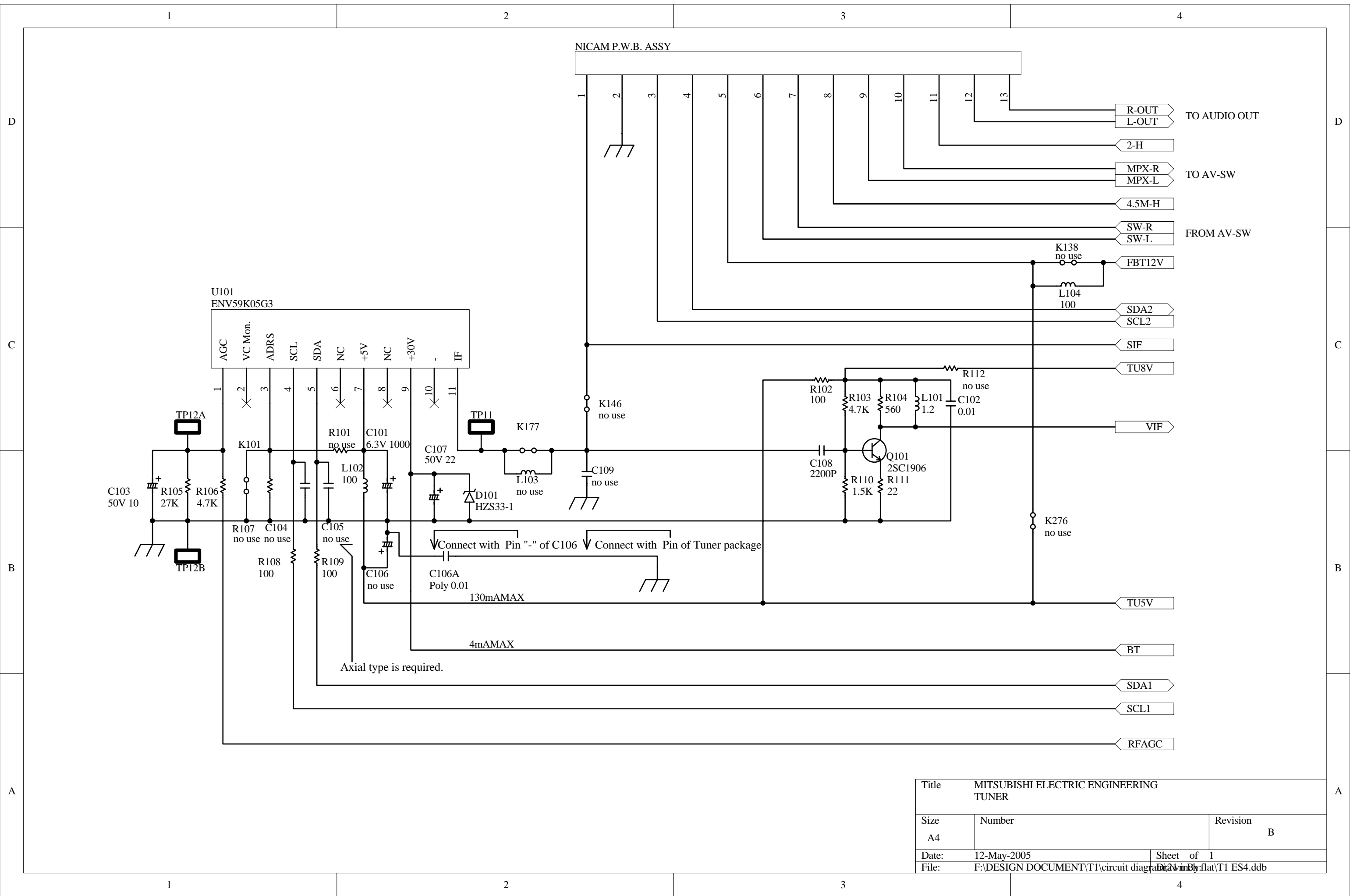
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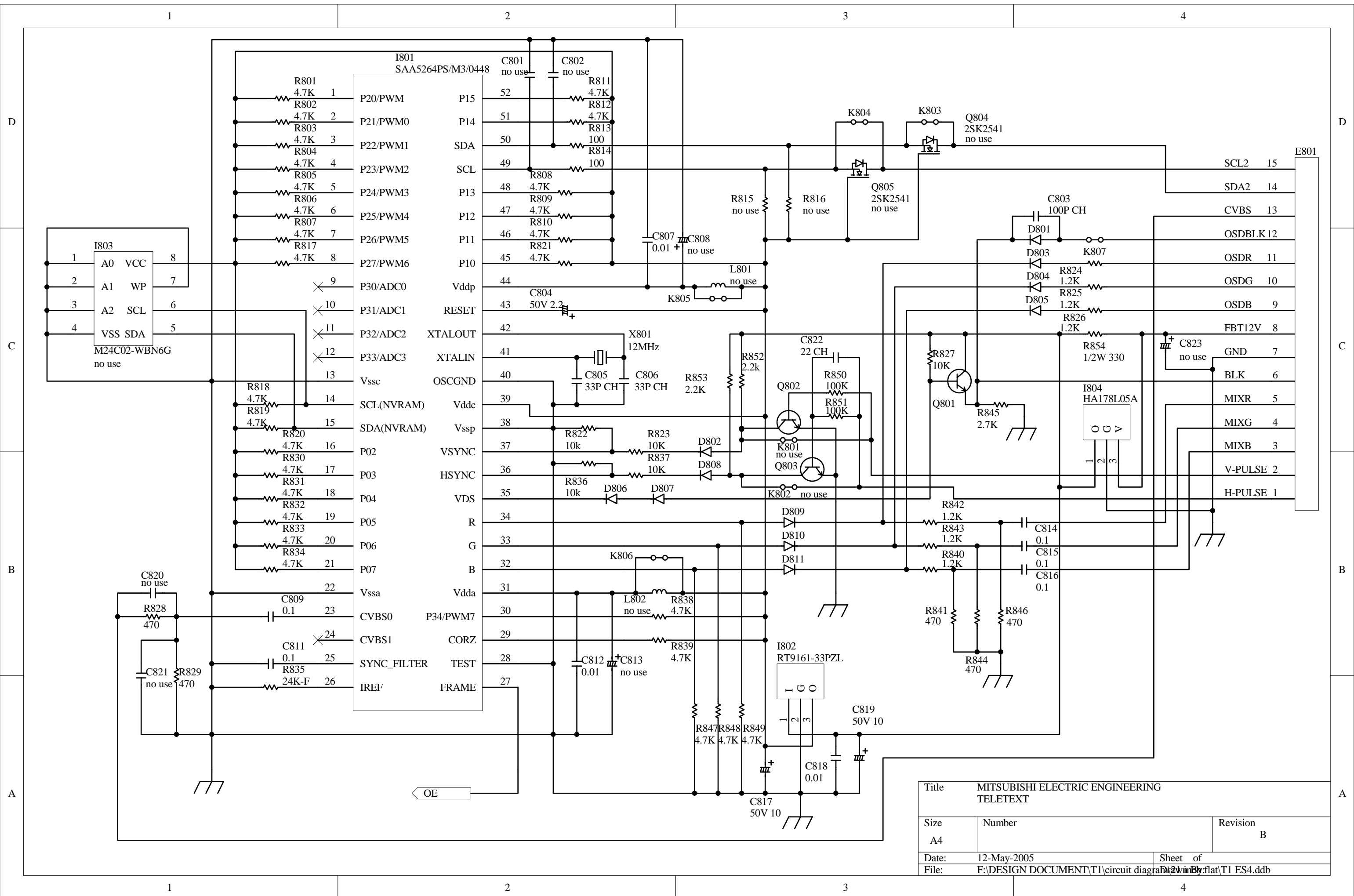
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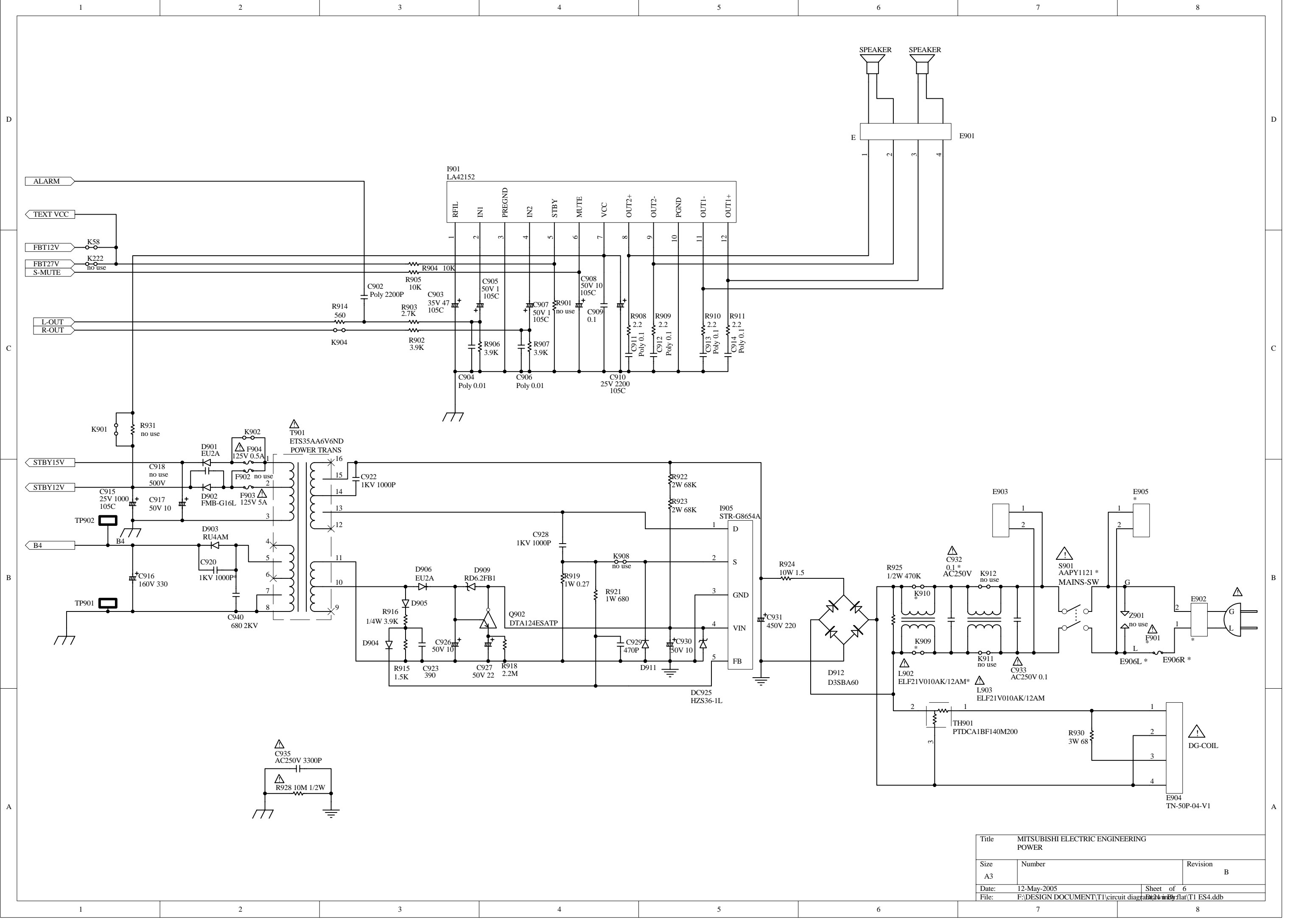
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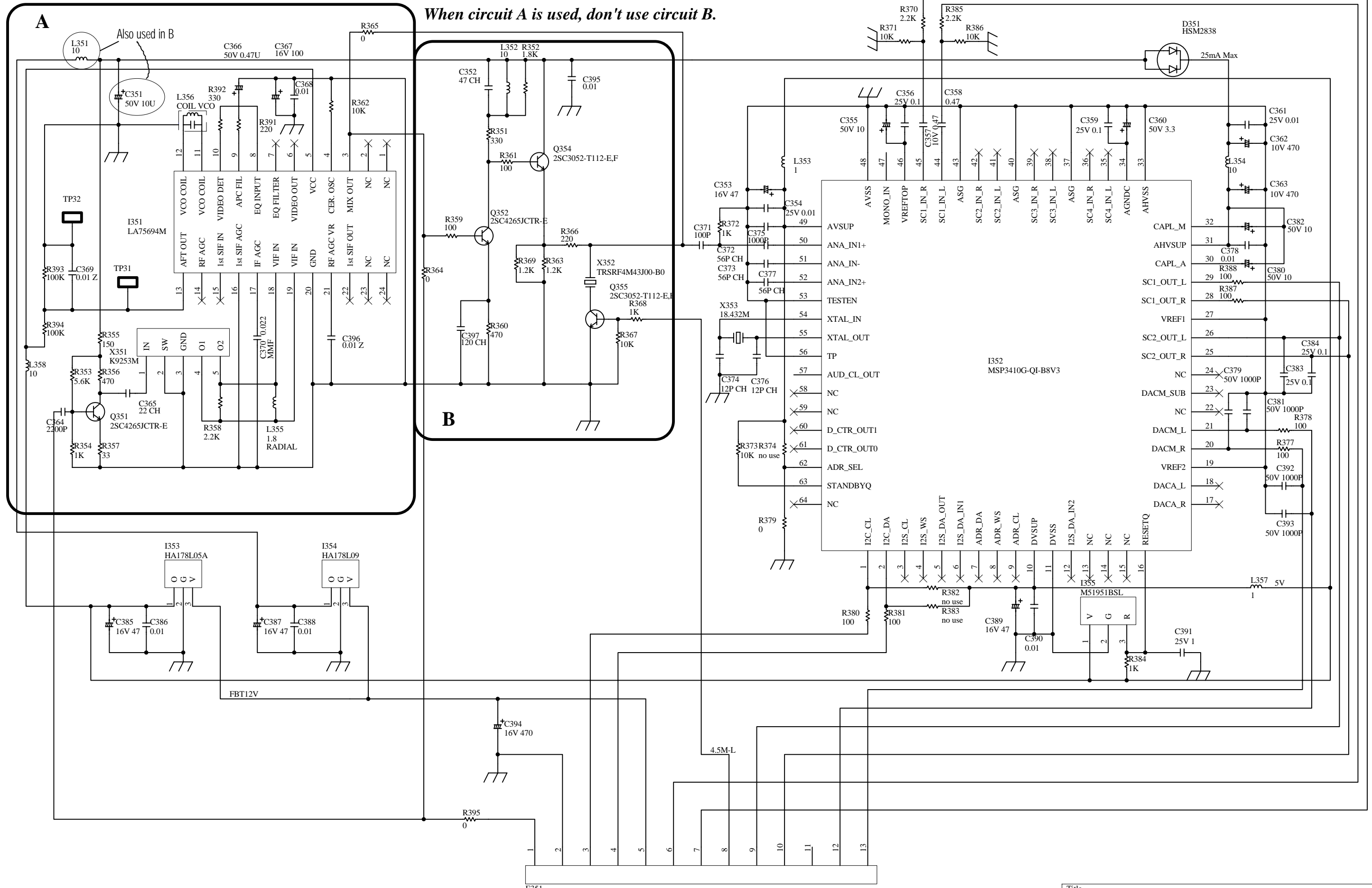


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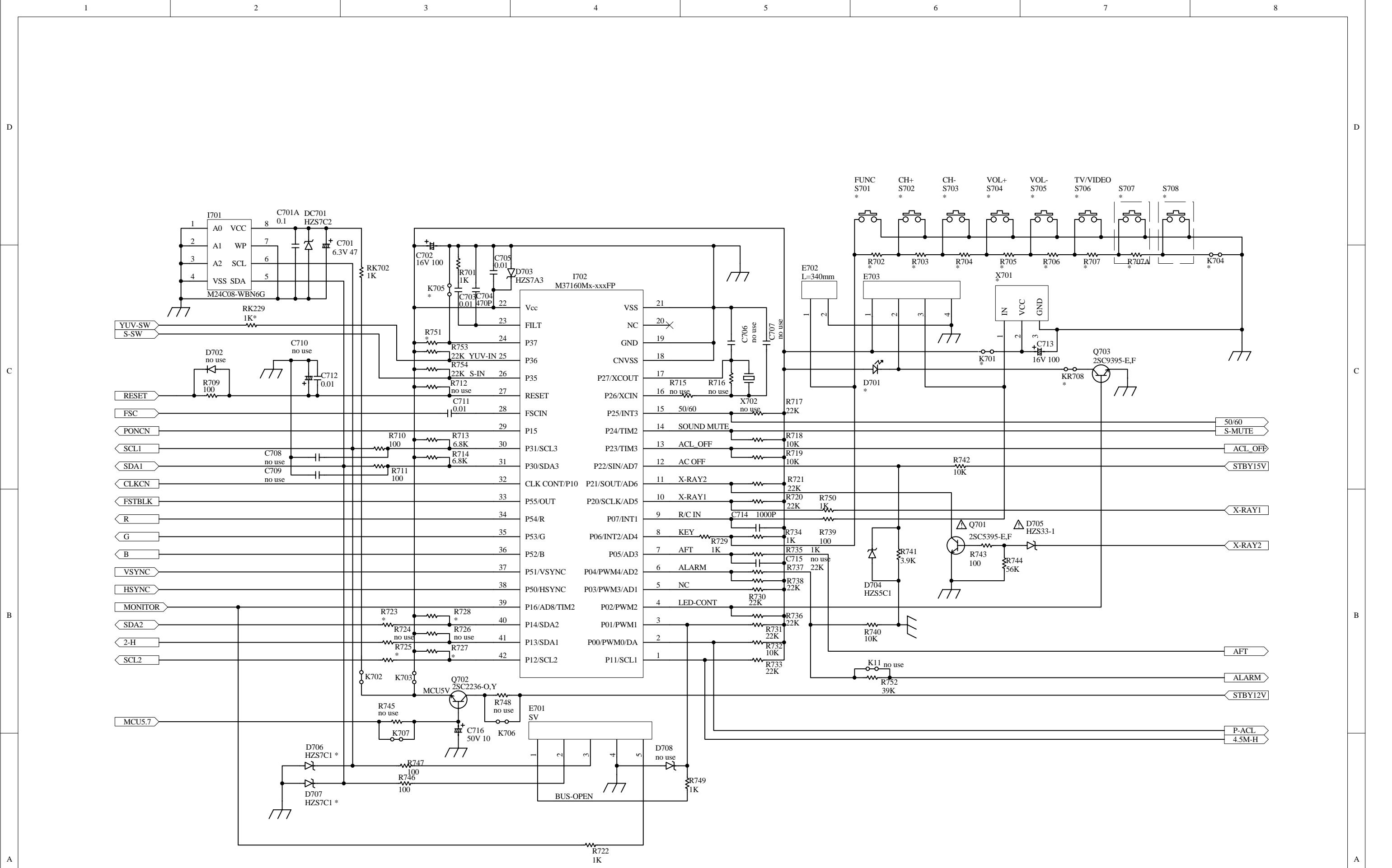


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When circuit A is used, don't use circuit B.



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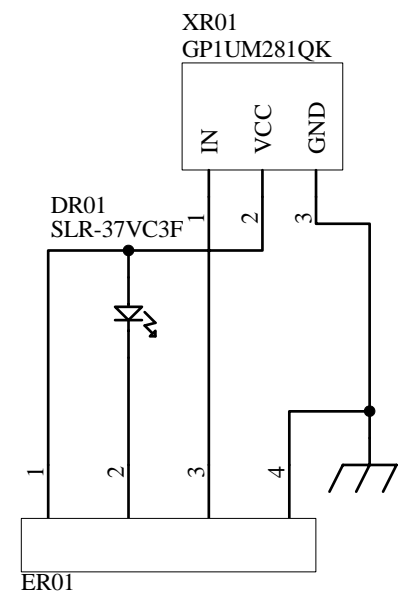
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A

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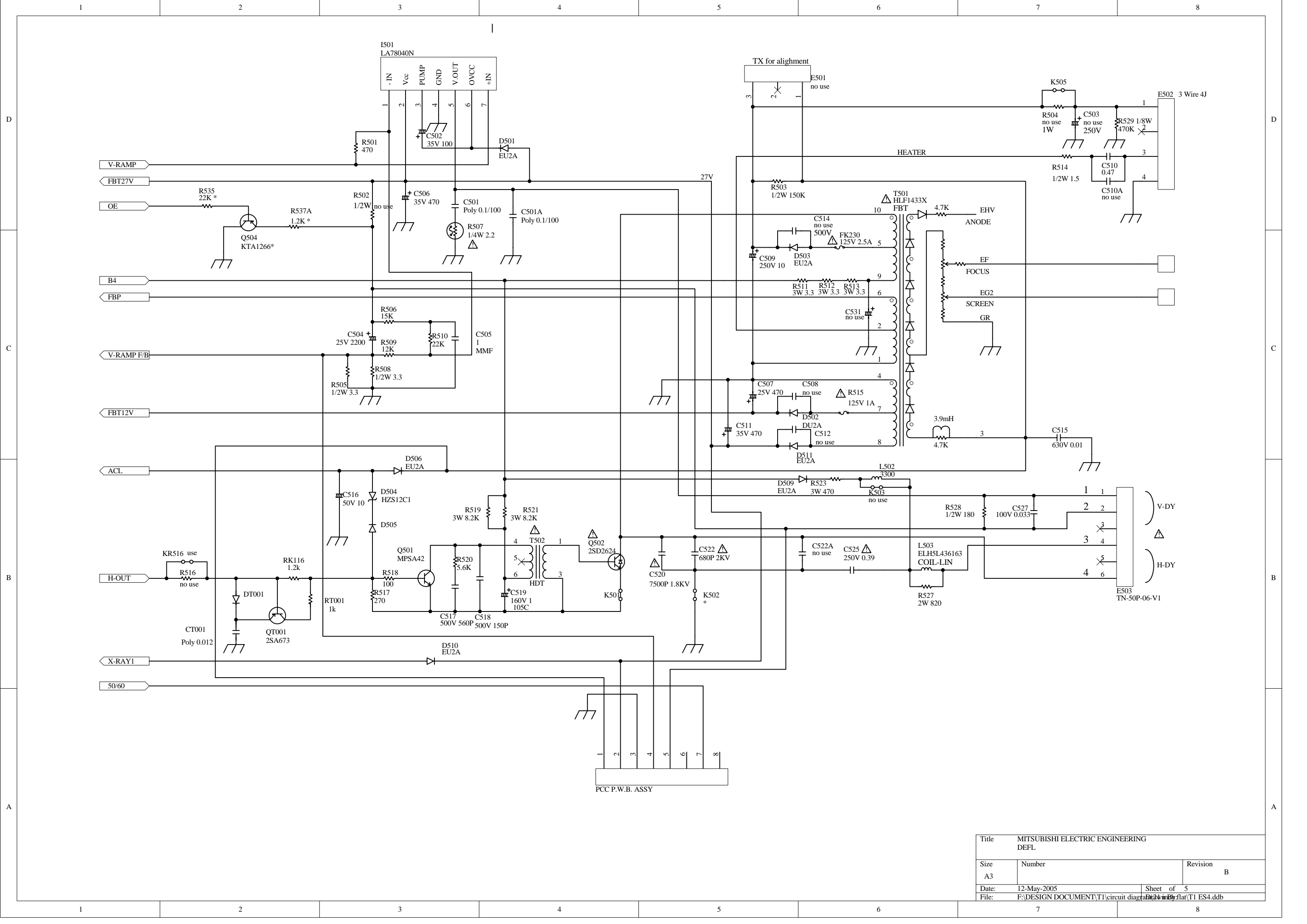
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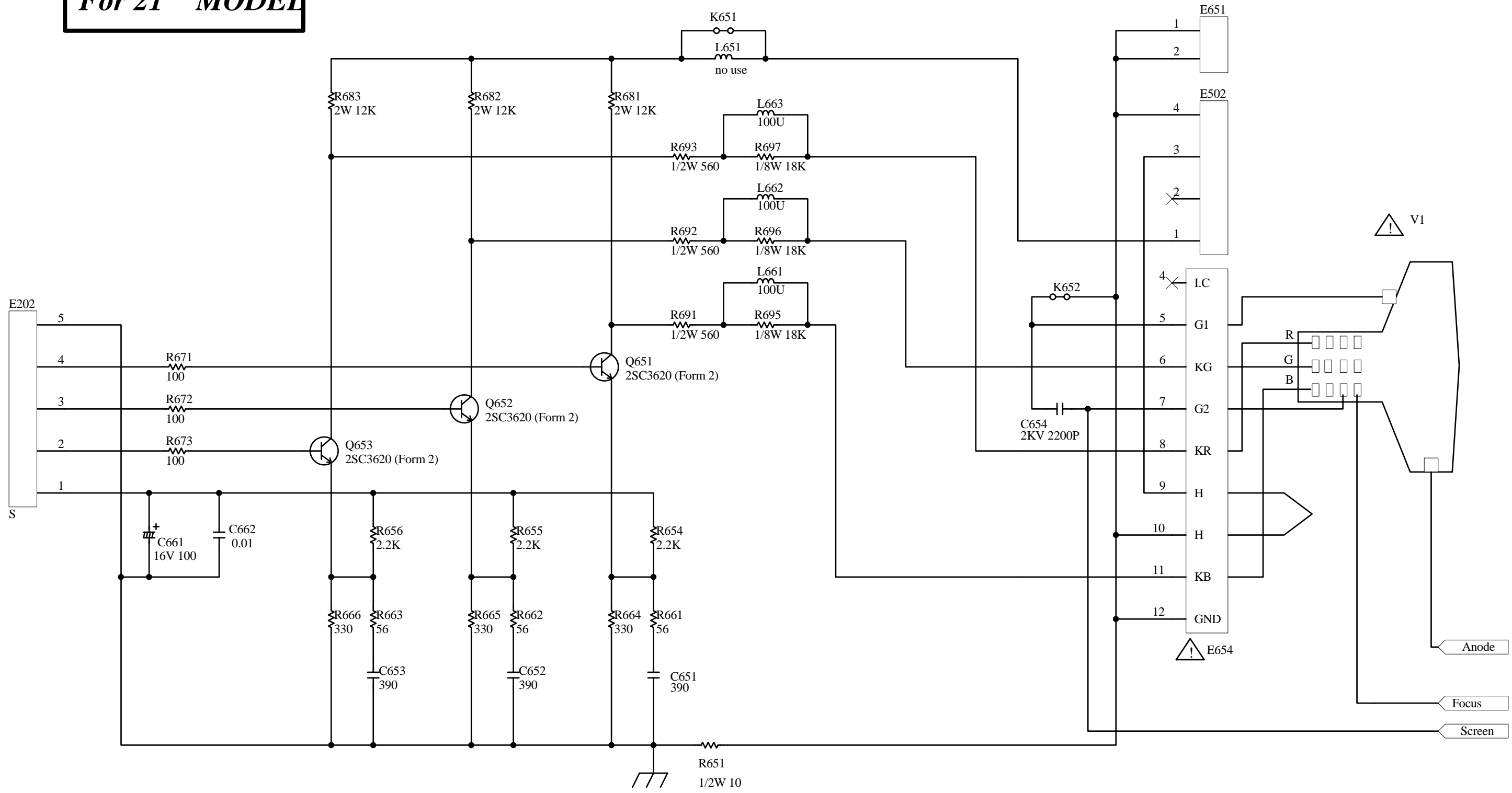
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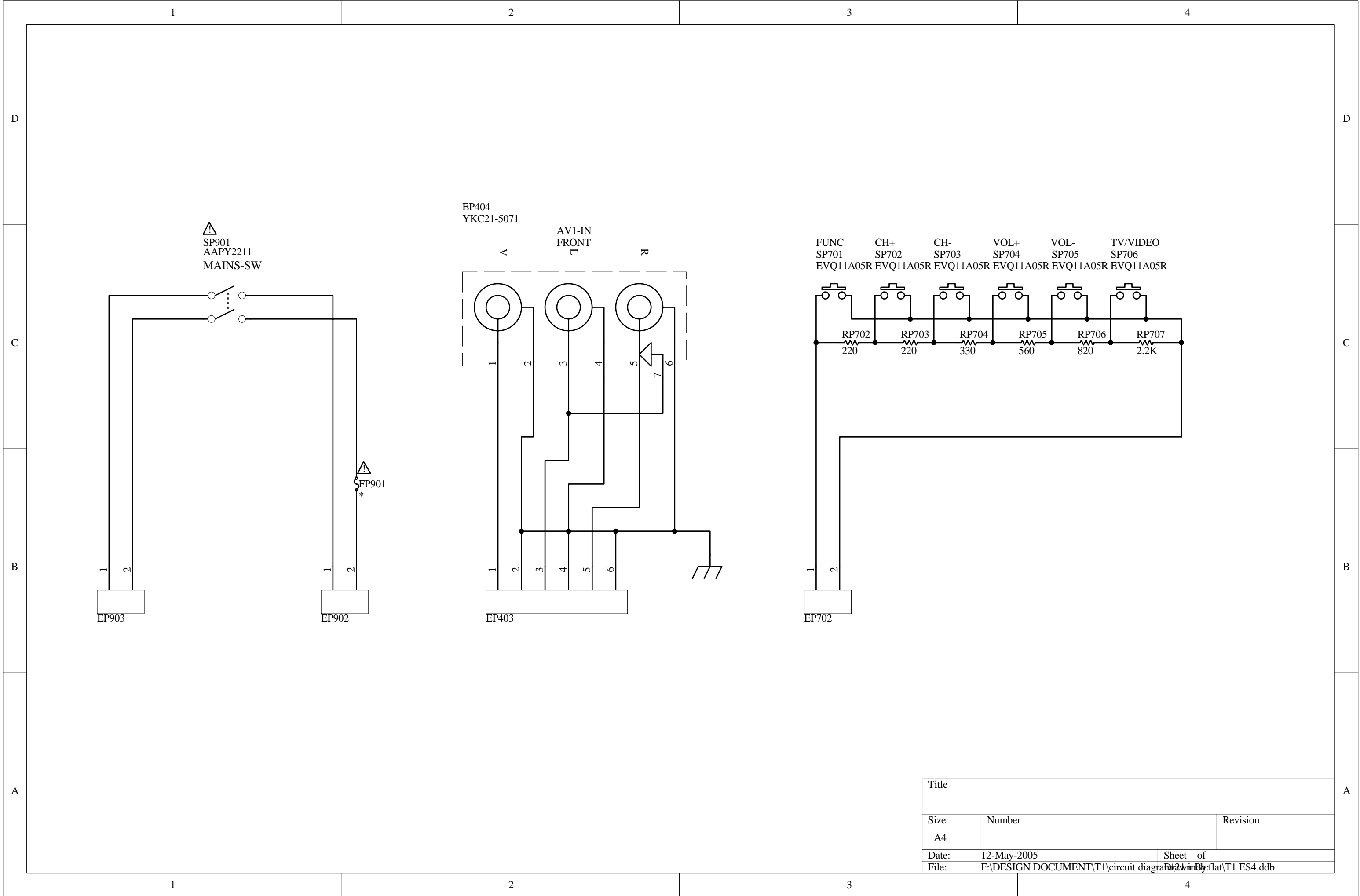


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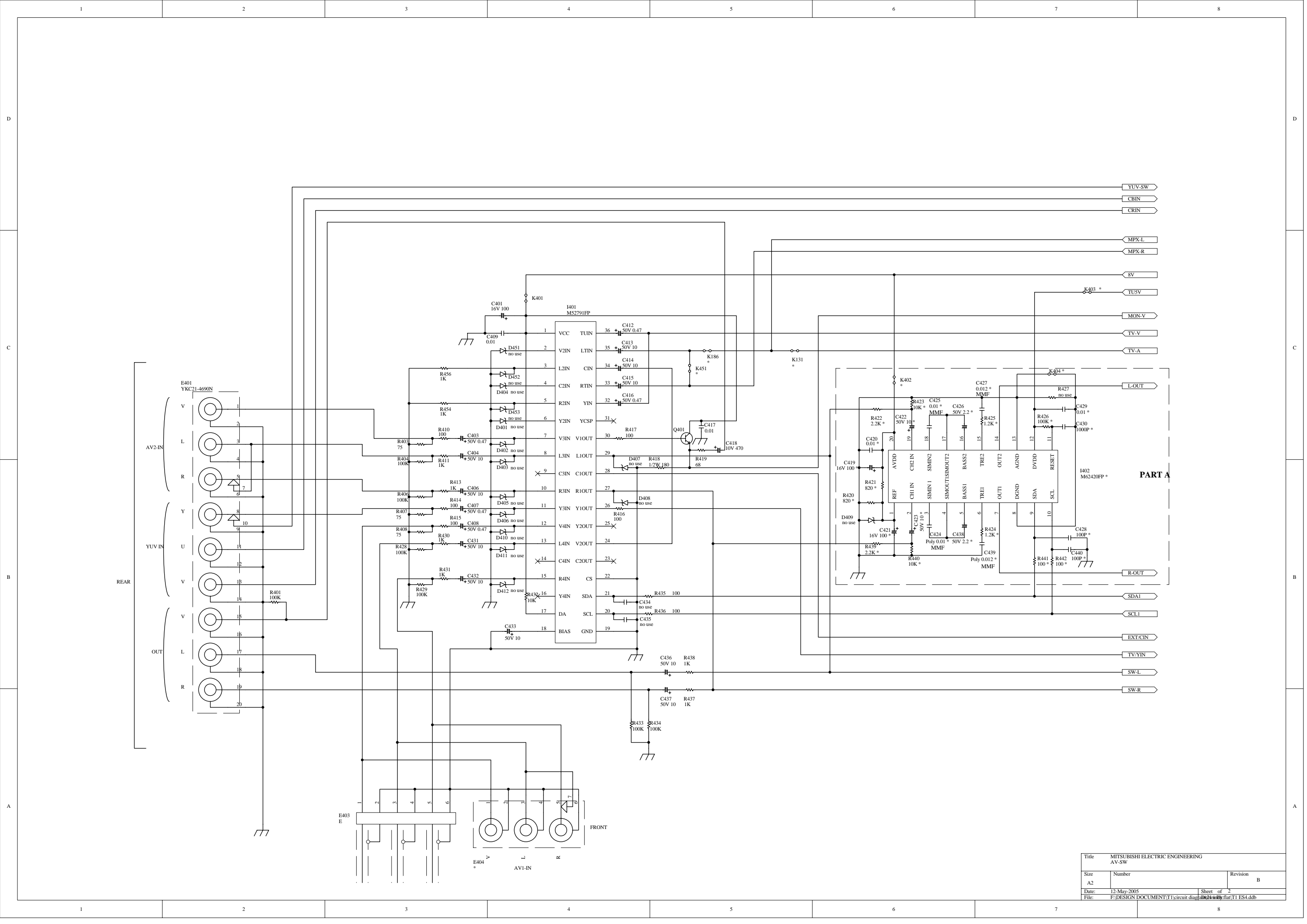
For 21" MODEL



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