

# JVC

## SCHEMATIC DIAGRAMS

### COLOUR TELEVISION

**AV-28X4BU, AV-28X4SK,  
AV-28X4SR, AV-28X4SU,  
AV-32X4BU, AV-32X4SK,  
AV-32X4SR, AV-32X4SU**

CD-ROM No.SML200403

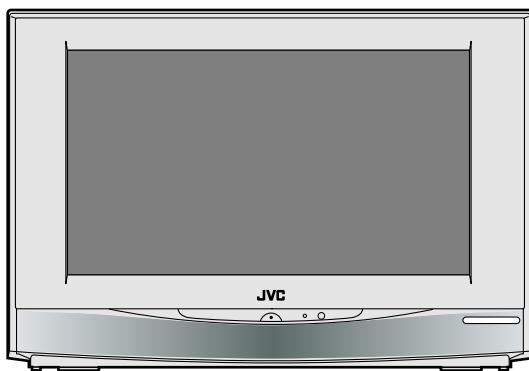
BASIC CHASSIS

ML2

InteríArt

*Natural Vision*

**T-V LINK**





# AV-28X4BU, AV-28X4SK, AV-28X4SR, AV-28X4SU AV-32X4BU, AV-32X4SK, AV-32X4SR, AV-32X4SU

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufacturers recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$  / V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- |         |                 |
|---------|-----------------|
| No unit | : [ $\Omega$ ]  |
| K       | : [ $k\Omega$ ] |
| M       | : [ $M\Omega$ ] |

###### ● Rated allowable power

- |               |                |
|---------------|----------------|
| No indication | : 1/16 [W]     |
| Others        | : As specified |

###### ● Type

- |               |                             |
|---------------|-----------------------------|
| No indication | : Carbon resistor           |
| OMR           | : Oxide metal film resistor |
| MFR           | : Metal film resistor       |
| MPR           | : Metal plate resistor      |
| UNFR          | : Uninflammable resistor    |
| FR            | : Fusible resistor          |

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- |             |              |
|-------------|--------------|
| 1 or higher | : [pF]       |
| less than 1 | : [ $\mu$ F] |

###### ● Withstand voltage

- |               |                            |
|---------------|----------------------------|
| No indication | : DC50[V]                  |
| Others        | : DC withstand voltage [V] |
| AC indicated  | : AC withstand voltage [V] |

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

##### ●Type

- |               |                                      |
|---------------|--------------------------------------|
| No indication | : Ceramic capacitor                  |
| MM            | : Metallized mylar capacitor         |
| PP            | : Polypropylene capacitor            |
| MPP           | : Metallized polypropylene capacitor |
| MF            | : Metallized film capacitor          |
| TF            | : Thin film capacitor                |
| BP            | : Bipolar electrolytic capacitor     |
| TAN           | : Tantalum capacitor                 |

##### (3)Coils

- |         |                |
|---------|----------------|
| No unit | : [ $\mu$ H]   |
| Others  | : As specified |

##### (4)Power Supply

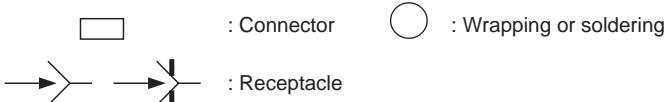


\* Respective voltage values are indicated

##### (5)Test point



##### (6)Connecting method



##### (7)Ground symbol

- |                  |                                 |
|------------------|---------------------------------|
| $\perp$          | : LIVE side ground              |
| $\not\perp$      | : ISOLATED(NEUTRAL) side ground |
| $\not\perp$      | : EARTH ground                  |
| $\not\downarrow$ | : DIGITAL ground                |

#### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\perp$ ) side GND and the ISOLATED(NEUTRAL) : ( $\not\perp$ ) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

##### NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.  
When ordering parts, please use the numbers that appear in the Parts List.

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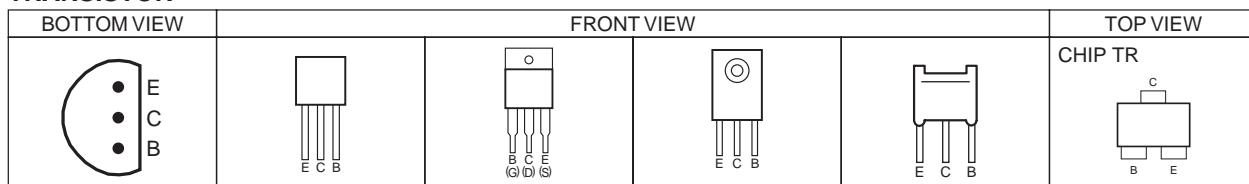
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## USING P.W. BOARD

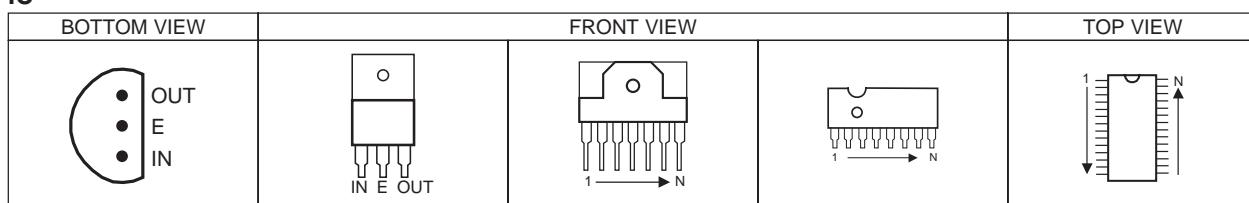
PWB ASS'Y name	AV-28X4BU	AV-28X4SK	AV-28X4SR	AV-28X4SU	AV-32X4BU	AV-32X4SK	AV-32X4SR	AV-32X4SU
MAIN P.W. BOARD	SML-1202A-U2	SML-1922A-U2	SML-1202A-U2	←	SML-1201A-U2	SML-1921A-U2	SML-1201A-U2	←
MICOM/100Hz P.W. BOARD	SML0Z201A-U2	←	←	←	←	←	←	←
POWER & DEF P.W. BOARD	SML-2202A-U2	←	←	←	SML-2201A-U2	←	←	←
CRT SOCKET P.W. BOARD	SML-3202A-U2	←	←	←	SML-3201A-U2	←	←	←
AV JACK P.W. BOARD	SML0J201A-U2	←	←	←	←	←	←	←
FRONT CONTROL P.W. BOARD	SML-8201A-U2	←	←	←	←	←	←	←
SIDE CONTROL P.W. BOARD	SML-8121A-U2	←	←	←	←	←	←	←

## SEMICONDUCTOR SHAPES

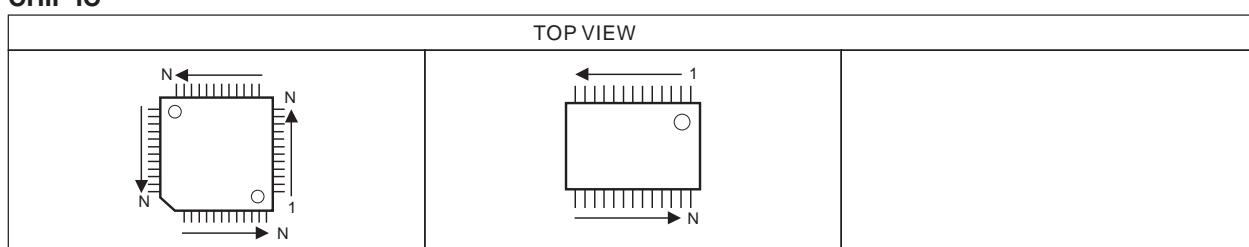
### TRANSISTOR



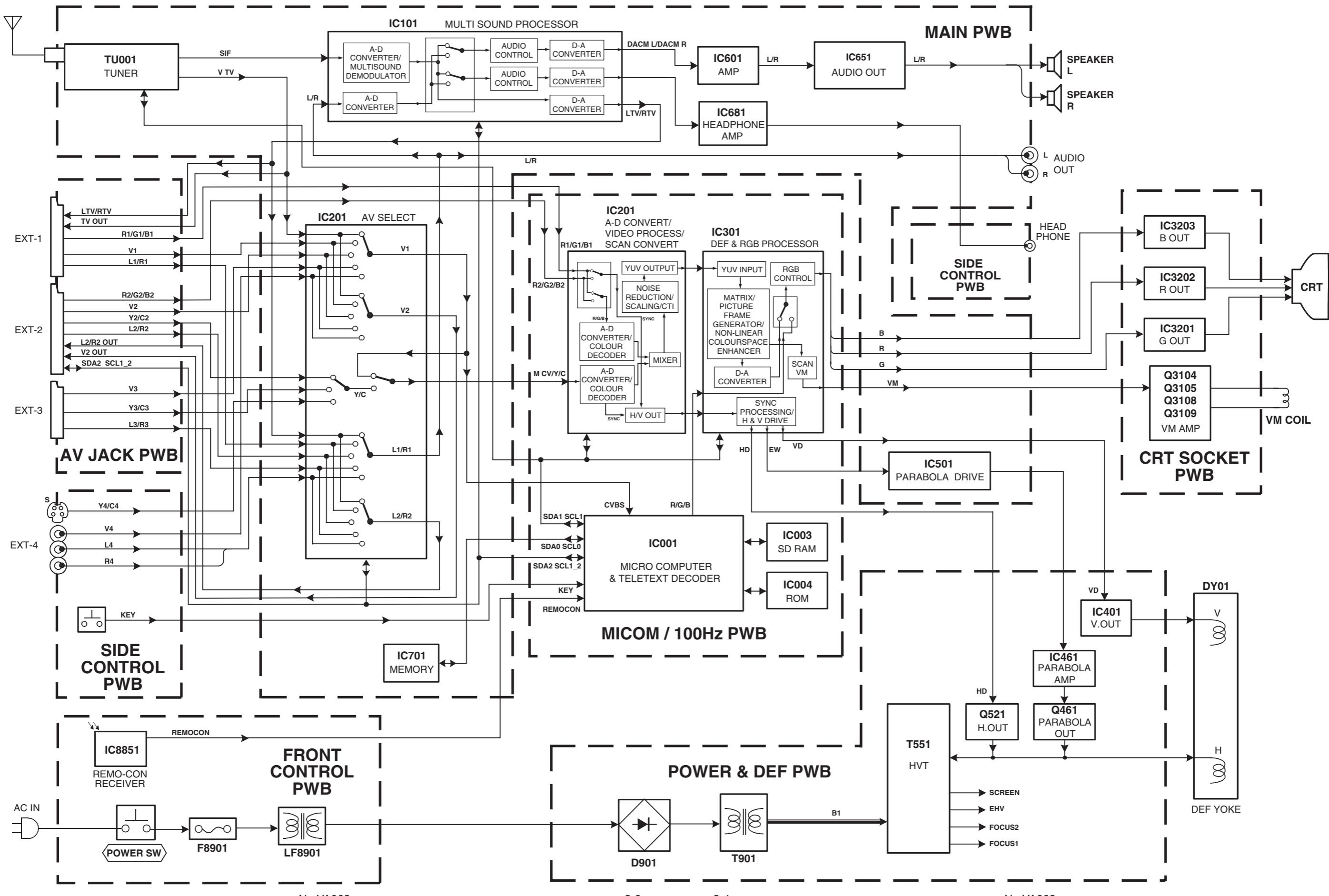
### IC



### CHIP IC



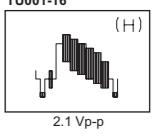
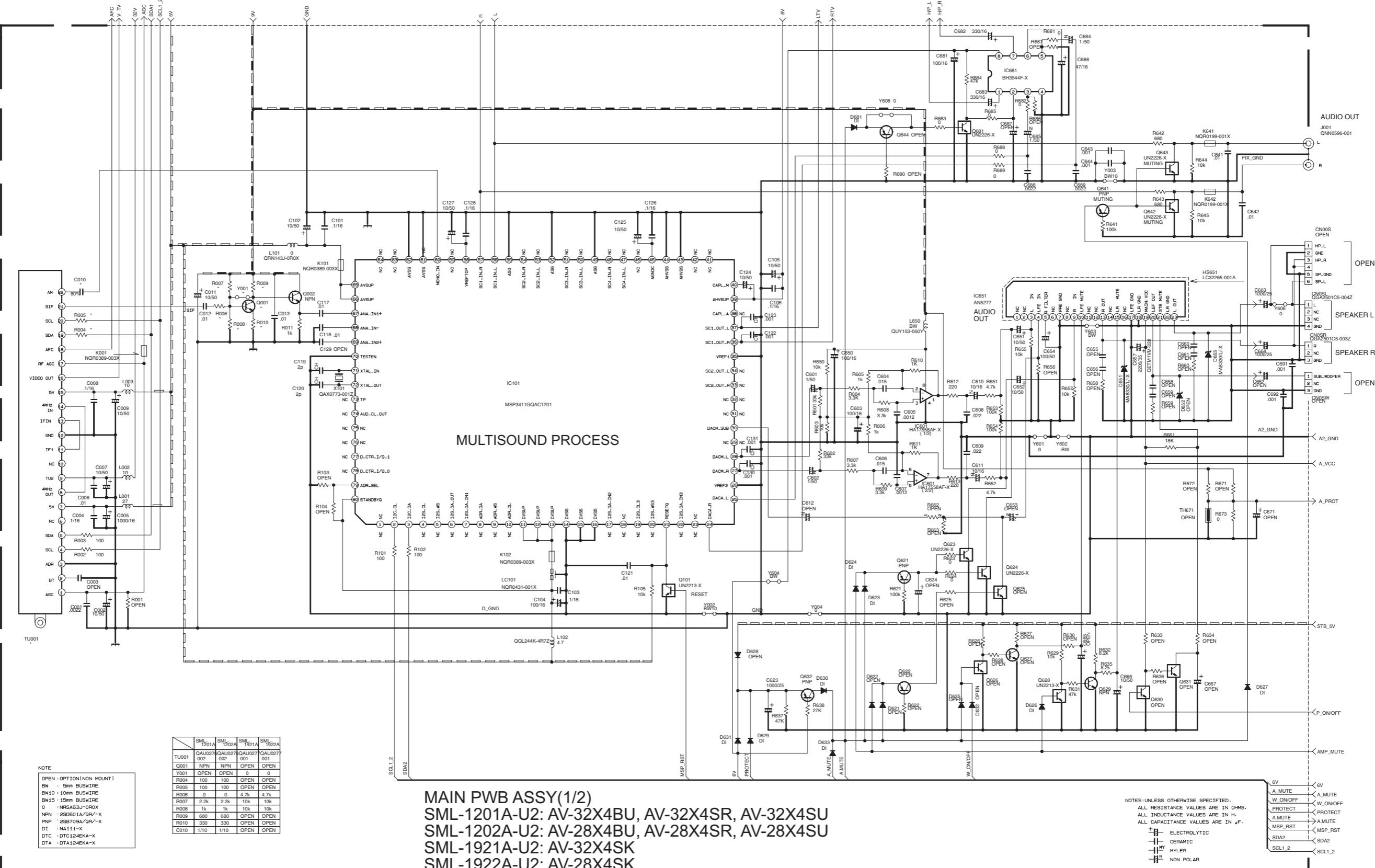
## BLOCK DIAGRAM



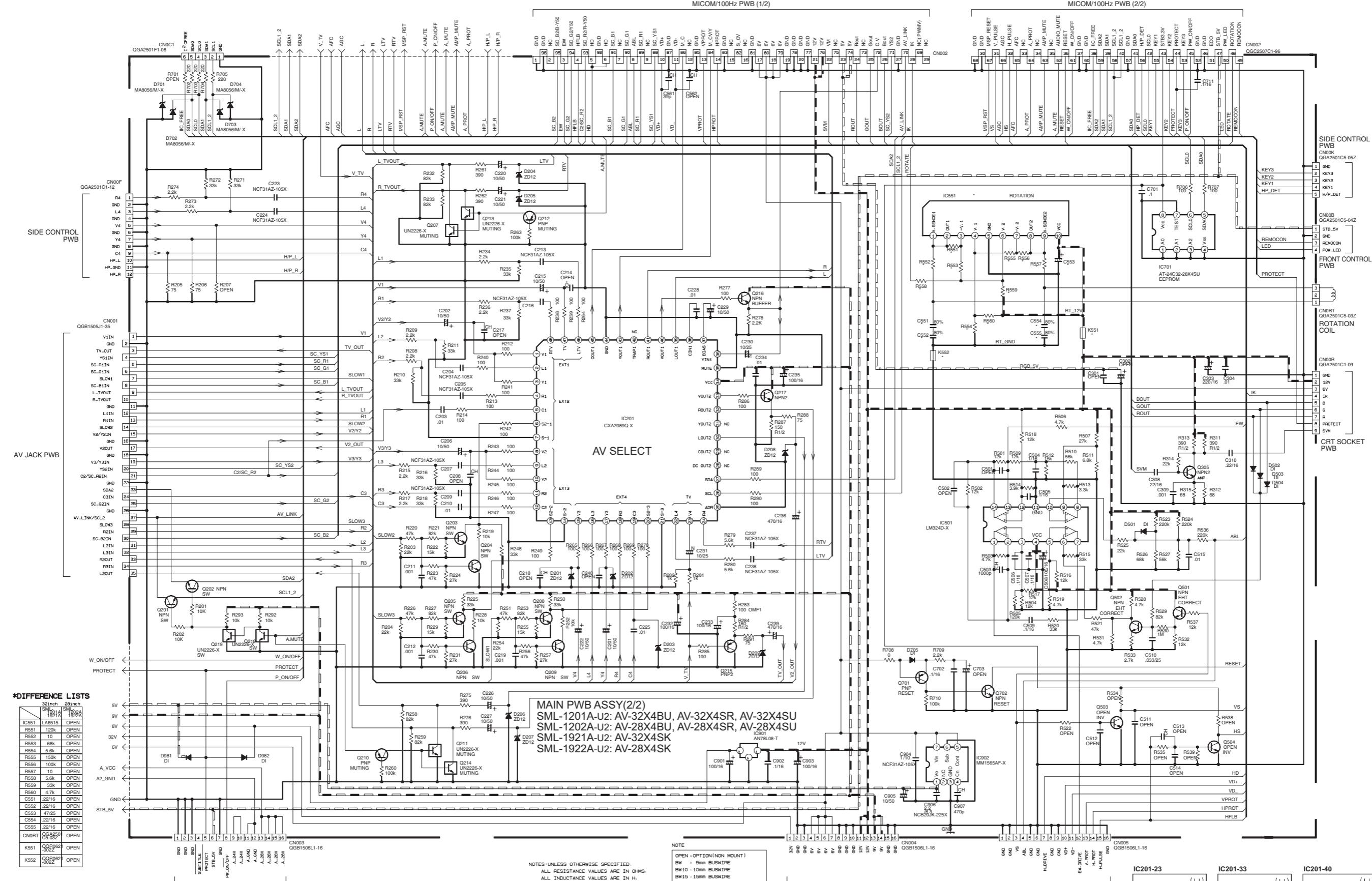
# CIRCUIT DIAGRAMS

## MAIN PWB CIRCUIT DIAGRAM (1/2)

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
IC101	4	4	0
1	0	5	0
2	4.5	6	0
3	4.5	7	14.2
4	1.6	8	0.7
5	1.5	9	0
6	1.6	10	29.6
7	1.6	11	15.5
8	1.6	12	14.1
9	1.6	13	4.9
10	1.6	14	0
11	4.9	15	0
12	4.9	16	0
13	4.9	17	0
18	0	18	0
19	0	19	18
20	0	20	3.2
21	4.9	21	0
22	0	23	0
24	0.1	25	0
26	0	27	0
28	0	29	0
30	0	31	2.5
32	0	33	0
34	3.8	35	0
36	3.7	37	0
38	6.9	39	8
40	4.5	41	7
42	0	43	0
44	0	45	3.7
46	0	47	3.7
48	3.7	49	0
Q001	E	50	3.7
Q002	E	51	3.7
Q003	C	52	0
Q004	B	53	3.7
Q005	4.6	54	0
Q006	4.6	55	0
Q007	B	56	4.4
Q008	4.4	57	4.4
Q009	B	58	2.6
Q010	C	59	0
Q011	B	60	3.7
Q012	-1.6	61	0
Q013	0	62	0
Q014	C	63	0
Q015	B	64	0
Q016	-1.5	65	4.9
Q017	4.9	66	4.9
Q018	1.5	67	0
Q019	0	68	0
Q020	0	69	0
Q021	0	70	0
Q022	2.2	71	0
Q023	2.1	72	0
Q024	0	73	0
Q025	0	74	2.6
Q026	C	75	0
Q027	B	76	0
Q028	5.8	77	0
Q029	0	78	0
Q030	0	79	2.5
Q031	C	80	4.9
IC601	1	81	4.4
Q032	E	82	4.4
Q033	C	83	4.3
Q034	B	84	0
Q035	0	85	4.4
Q036	4.4	86	4.4
Q037	4.4	87	4.4
Q038	B	88	8.9
IC651	1	89	0
Q039	0	90	C. 4.6
Q040	C	91	B. 0.1
Q041	0	92	28

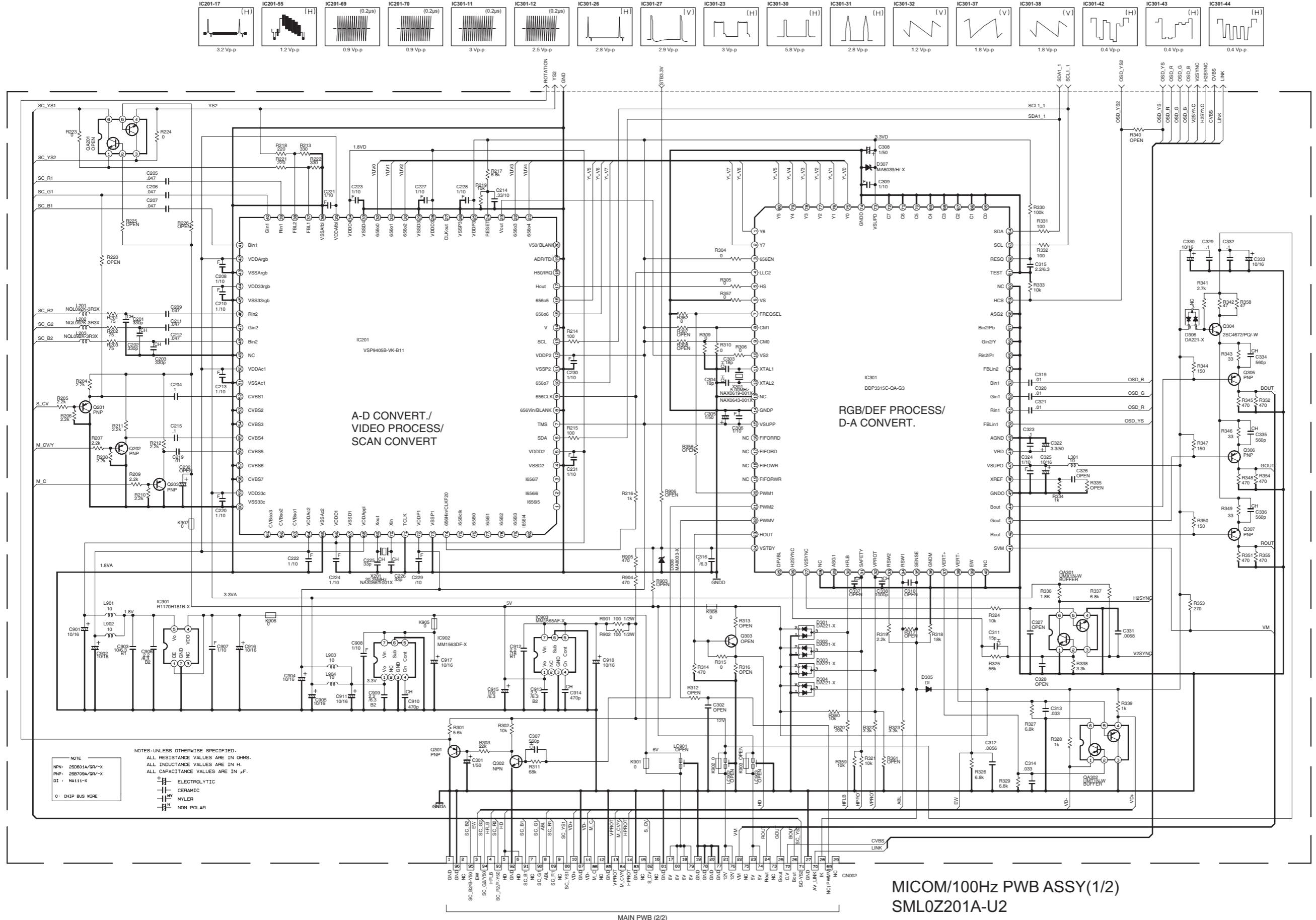


## MAIN PWB CIRCUIT DIAGRAM (2/2)

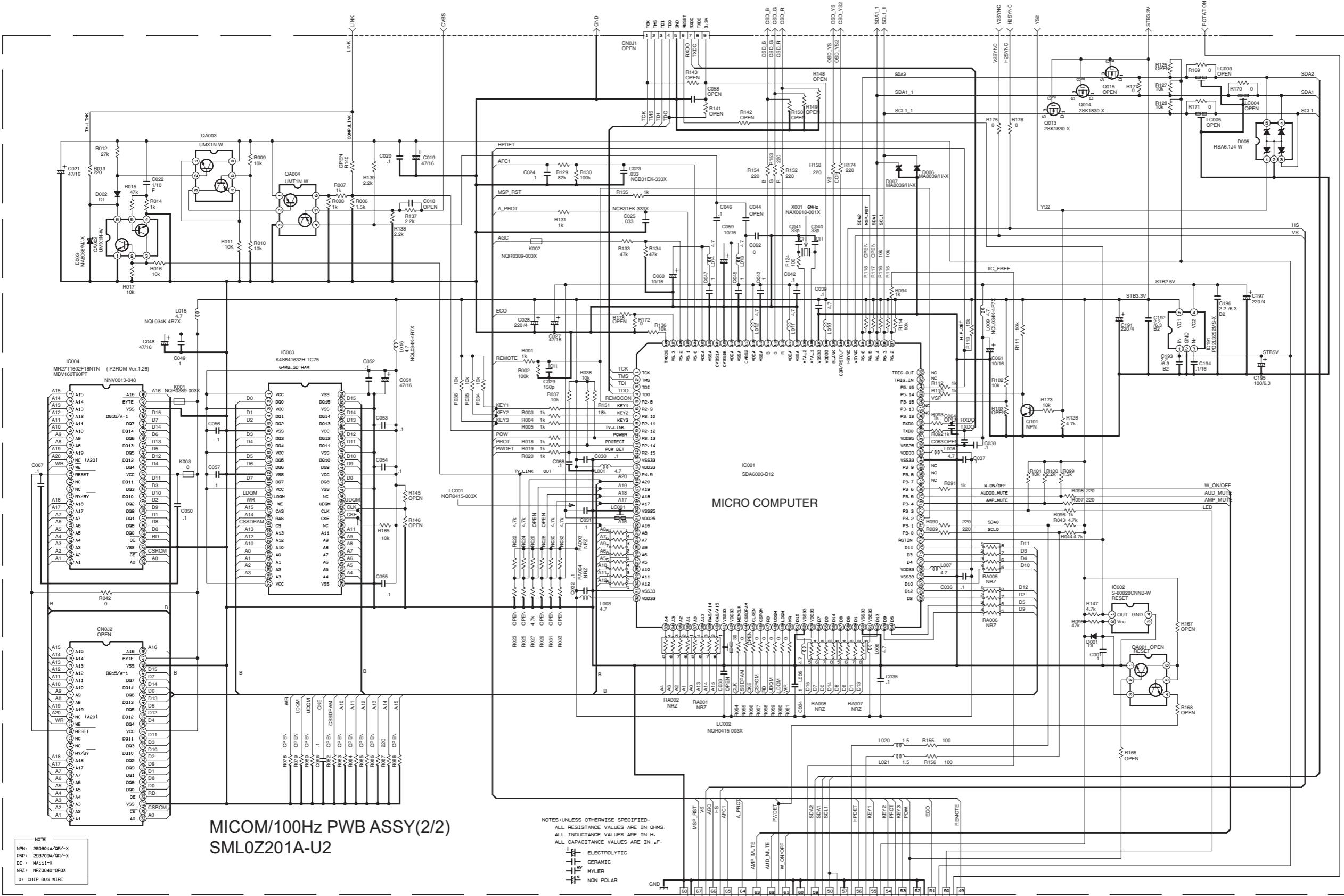


MODE PIN NO.	DC (V)
IC201-1 C	4.5
IC201-2 B	0
Q203-3 E	0
Q203-4 C	6.6
Q204-5 B	0
Q204-6 E	0
Q204-7 D	0
Q204-8 C	6.5
Q204-9 B	0
Q205-10 E	0
Q205-11 C	6.6
Q205-12 B	0
Q206-13 E	0
Q206-14 C	6.6
Q206-15 B	0
Q207-16 E	0
Q207-17 C	6.6
Q207-18 B	0
Q208-19 E	0
Q208-20 C	0
Q208-21 B	-1.5
Q209-22 E	0
Q209-23 C	6.6
Q209-24 B	0
Q210-25 E	0
Q210-26 C	6.6
Q210-27 B	0
Q211-28 E	0
Q211-29 C	0
Q211-30 B	-1.2
Q212-31 E	0.1
Q212-32 C	-0.4
Q212-33 B	0
Q213-34 E	0
Q213-35 C	0
Q213-36 B	-1.2
Q214-37 E	0.1
Q214-38 C	0
Q214-39 B	0
Q215-40 E	0
Q215-41 C	0
Q215-42 B	-0.3
Q216-43 E	0
Q216-44 C	0
Q216-45 B	-1.5
Q217-46 E	0
Q217-47 C	0
Q217-48 B	-3.9
Q218-49 E	0
Q218-50 C	4.1
Q218-51 B	0
Q219-52 E	0
Q219-53 C	0
Q219-54 B	-0.3
Q220-55 E	0
Q220-56 C	4.4
Q220-57 B	0
Q221-58 E	0
Q221-59 C	4.4
Q221-60 B	0
Q222-61 E	0
Q222-62 C	4.4
Q222-63 B	0
Q223-64 E	0
Q223-65 C	4.4
Q223-66 B	0
Q224-67 E	0
Q224-68 C	4.4
Q224-69 B	0
Q225-70 E	0
Q225-71 C	4.4
Q225-72 B	0
Q226-73 E	0
Q226-74 C	4.4
Q226-75 B	0
Q227-76 E	0
Q227-77 C	4.4
Q227-78 B	0
Q228-79 E	0
Q228-80 C	4.4
Q228-81 B	0
Q229-82 E	0
Q229-83 C	4.4
Q229-84 B	0
Q230-85 E	0
Q230-86 C	4.4
Q230-87 B	0
Q231-88 E	0
Q231-89 C	4.4
Q231-90 B	0
Q232-91 E	0
Q232-92 C	4.4
Q232-93 B	0
Q233-94 E	0
Q233-95 C	4.4
Q233-96 B	0
Q234-97 E	0
Q234-98 C	4.4
Q234-99 B	0
Q235-100 E	0
Q235-101 C	4.4
Q235-102 B	0
Q236-103 E	0
Q236-104 C	4.4
Q236-105 B	0
Q237-106 E	0
Q237-107 C	4.4
Q237-108 B	0
Q238-109 E	0
Q238-110 C	4.4
Q238-111 B	0
Q239-112 E	0
Q239-113 C	4.4
Q239-114 B	0
Q240-115 E	0
Q240-116 C	4.4
Q240-117 B	0
Q241-118 E	0
Q241-119 C	4.4
Q241-120 B	0
Q242-121 E	0
Q242-122 C	4.4
Q242-123 B	0
Q243-124 E	0
Q243-125 C	4.4
Q243-126 B	0
Q244-127 E	0
Q244-128 C	4.4
Q244-129 B	0
Q245-130 E	0
Q245-131 C	4.4
Q245-132 B	0
Q246-133 E	0
Q246-134 C	4.4
Q246-135 B	0
Q247-136 E	0
Q247-137 C	4.4
Q247-138 B	0
Q248-139 E	0
Q248-140 C	4.4
Q248-141 B	0
Q249-142 E	0
Q249-143 C	4.4
Q249-144 B	0
Q250-145 E	0
Q250-146 C	4.4
Q250-147 B	0
Q251-148 E	0
Q251-149 C	4.4
Q251-150 B	0
Q252-151 E	0
Q252-152 C	4.4
Q252-153 B	0
Q253-154 E	0
Q253-155 C	4.4
Q253-156 B	0
Q254-157 E	0
Q254-158 C	4.4
Q254-159 B	0
Q255-160 E	0
Q255-161 C	4.4
Q255-162 B	0
Q256-163 E	0
Q256-164 C	4.4
Q256-165 B	0
Q257-166 E	0
Q257-167 C	4.4
Q257-168 B	0
Q258-169 E	0
Q258-170 C	4.4
Q258-171 B	0
Q259-172 E	0
Q259-173 C	4.4
Q259-174 B	0
Q260-175 E	0
Q260-176 C	4.4
Q260-177 B	0
Q261-178 E	0
Q261-179 C	4.4
Q261-180 B	0
Q262-181 E	0
Q262-182 C	4.4
Q262-183 B	0
Q263-184 E	0
Q263-185 C	4.4
Q263-186 B	0
Q264-187 E	0
Q264-188 C	4.4
Q264-189 B	0
Q265-190 E	0
Q265-191 C	4.4
Q265-192 B	0
Q266-193 E	0
Q266-194 C	4.4
Q266-195 B	0
Q267-196 E	0
Q267-197 C	4.4
Q267-198 B	0
Q268-199 E	0
Q268-200 C	4.4
Q268-201 B	0
Q269-202 E	0
Q269-203 C	4.4
Q269-204 B	0
Q270-205 E	0
Q270-206 C	4.4
Q270-207 B	0
Q271-208 E	0
Q271-209 C	4.4
Q271-210 B	0
Q272-211 E	0
Q272-212 C	4.4
Q272-213 B	0
Q273-214 E	0
Q273-215 C	4.4
Q273-216 B	0
Q274-217 E	0
Q274-218 C	4.4
Q274-219 B	0
Q275-220 E	0
Q275-221 C	4.4
Q275-222 B	0
Q276-223 E	0
Q276-224 C	4.4
Q276-225 B	0
Q277-226 E	0
Q277-227 C	4.4
Q277-228 B	0
Q278-229 E	0
Q278-230 C	4.4
Q278-231 B	0
Q279-232 E	0
Q279-233 C	4.4
Q279-234 B	0
Q280-235 E	0
Q280-236 C	4.4
Q280-237 B	0
Q281-238 E	0
Q281-239 C	4.4
Q281-240 B	0
Q282-241 E	0
Q282-242 C	4.4
Q282-243 B	0
Q283-244 E	0
Q283-245 C	4.4
Q283-246 B	0
Q284-247 E	0
Q284-248 C	4.4
Q284-249 B	0
Q285-250 E	0
Q285-251 C	4.4
Q285-252 B	0
Q286-253 E	0
Q286-254 C	4.4
Q286-255 B	0
Q287-256 E	0
Q287-257 C	4.4
Q287-258 B	0
Q288-259 E	0
Q288-260 C	4.4
Q288-261 B	0
Q289-262 E	0</

# MICOM/100Hz PWB CIRCUIT DIAGRAM (1/2)

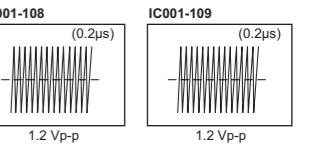


## MICOM/100Hz PWB CIRCUIT DIAGRAM (2/2)

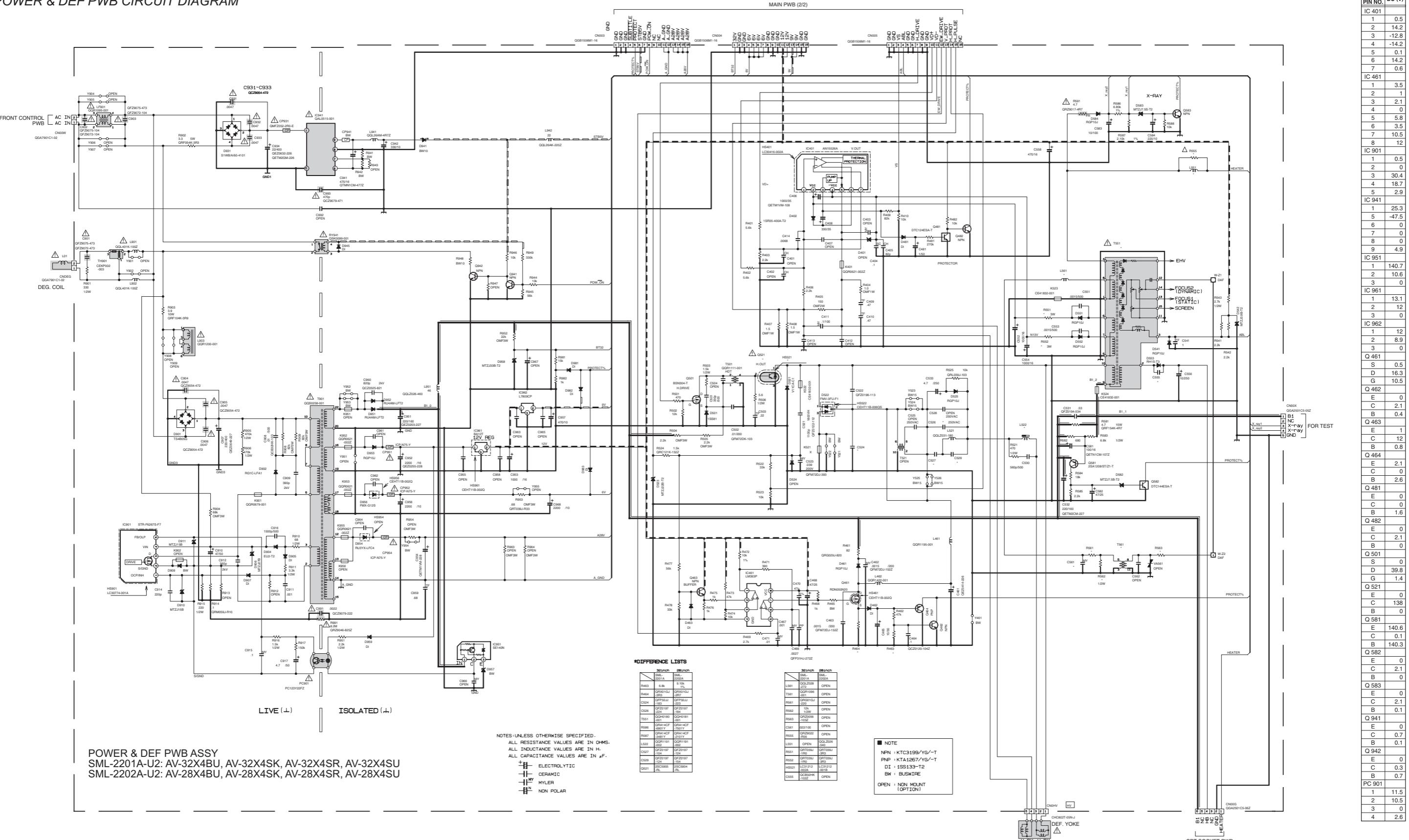


MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
IC 001	0	98	2.5	D	0
1	0	99	2.5	G	3.3
2	1	100	0	Q101	0
3	0	101	0	E	0
4	1	102	3.2	C	3.2
5	2.4	103	3.3	B	0
6	3.1	104	0	CN002	
7	3.1	105	0	30	0
8	3.1	106	3.3	31	3.2
9	0	107	0	32	3.3
10	0	108	0	33	0
11	0	109	0.4	34	0
12	3.3	110	0	35	0
13	0	111	0	36	3.2
14	3.3	112	0	37	0
15	0	113	0	38	0
16	0	114	0	39	4.5
17	0	115	0	40	4.4
18	0	116	0	41	3.3
19	0	117	0	42	3.3
20	0	118	0	43	3.3
21	2.4	119	0	44	2.1
22	0	120	*	45	0
23	0	121	0	46	0
24	0	122	0	47	4.8
25	0	123	0	48	12
26	0	124	0	49	2.6
27	1.3	125	0	50	0
28	0.7	126	0	51	0
29	0	127	*	52	0
30	2.6	128	*	53	3.3
31	0	129	0	54	3.3
32	3.3	130	0	55	3.3
33	1.3	131	0	56	3.3
34	1.3	132	0	57	0
35	1.3	133	0	58	4.4
36	0	134	0	59	4.4
37	0	135	0	60	0
38	2.6	136	0	61	0
39	3	137	0	62	0.1
40	3.1	138	0	63	0
41	0	139	0	64	0
42	3.3	140	0	65	1.6
43	6.4	141	0	66	1.8
44	3.1	142	0	67	0
45	3.3	143	0	68	0
46	3.3			15	0
47	3.3			16	3.2
48	0			17	3.1
49	0			18	3
50	0			19	3.1
51	2.6			20	2.6
52	0			21	2.6
53	3.3			22	0.7
54	0.3			23	0
55	0.2			24	0
56	2.6			25	1.3
57	0.3			26	1.3
58	0.2			27	3.3
59	0.3			28	0
60	0			29	1.3
61	3.3			30	0
62	0.3			31	1.3
63	0.3			32	1.3
64	0.3			33	0
65	0			34	0
66	0			35	0
67	0			36	0
68	0			37	3.3
69	3.3			38	0
70	0			39	0
71	0			40	0
72	0			41	0
73	*			42	0
74	3.1			43	0
75	3.1			44	0
76	1.7			45	0
77	0			46	0
78	0			47	0.1
79	0.1			48	0
80	0			49	3.2
81	2.3			50	0
82	0			51	3
83	2.3			52	0
84	0			53	3
85	3.3			54	0
86	0			55	0
87	2.4			56	0
88	0			57	0
89	2.23			58	0
90	0			59	0
91	0			60	0
92	0			61	3.3
93	3			62	0.3
94	3			63	0.3
95	2.4			64	0.3
96	3.3			65	0
97	0			66	0

\*: Can not measure



POWER & DEF PWB CIRCUIT DIAGRAM

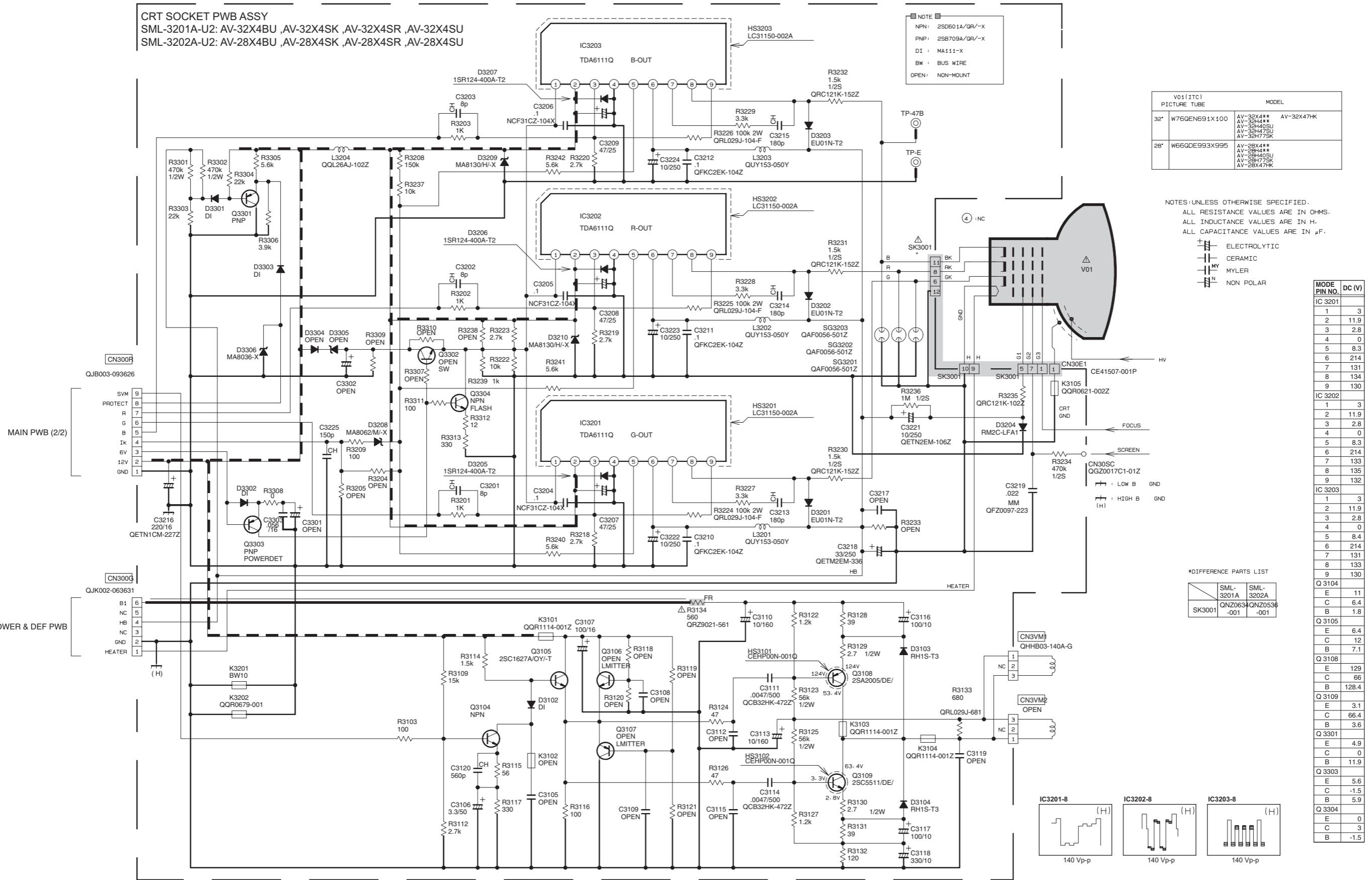


POWER & DEF PWB ASSY  
SML-2201A-U2: AV-32X4BU, AV-32X4SK, AV-32X4SR, AV-32X4SU  
SML-2202A-U2: AV-28X4BU, AV-28X4SK, AV-28X4SR, AV-28X4SU

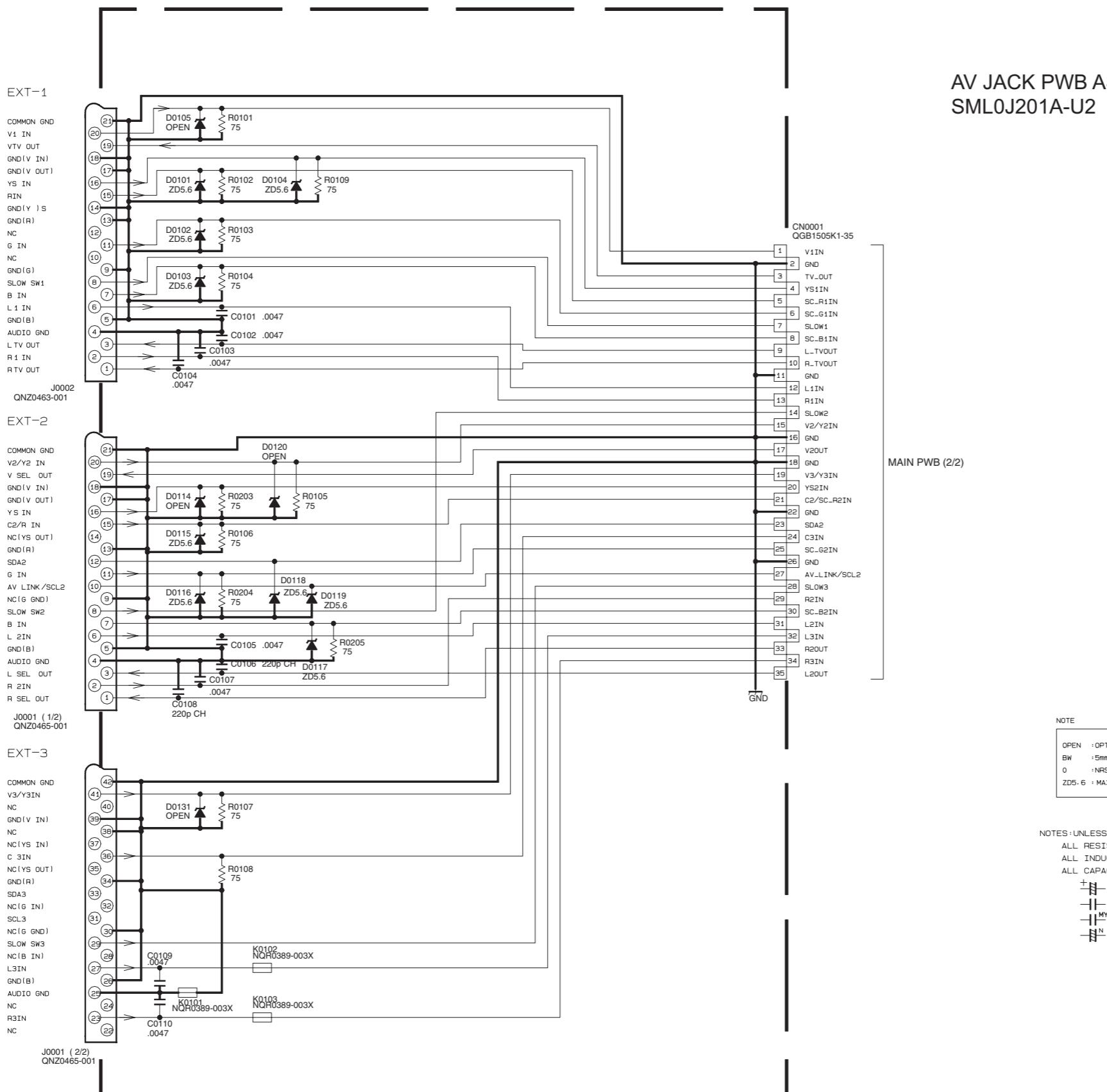
NOTES: UNLESS OTHERWISE SPECIFIED:  
ALL RESISTANCE VALUES ARE IN OHMS.  
ALL CAPACITANCE VALUES ARE IN  $\mu$ F.  
 ■ ELECTROLYTIC  
 ■ CERAMIC  
 ■ MYLER  
 ■ N NON POLAR

Component	Value	Component	Value
R463	6.8k	C201A	220nF
R464	Q461HJ	C202A	OPEN
T551	Q461HJ	C203A	OPEN
R561	Q461HJ	C204A	OPEN
R562	10k	C205A	OPEN
R563	Q461HJ	C206A	OPEN
C561	Q461HJ	C207A	OPEN
R565	Q461HJ	C208A	OPEN
C562	Q461HJ	C209A	OPEN
L551	Q461HJ	C210A	OPEN
R566	Q461HJ	C211A	OPEN
C567	Q461HJ	C212A	OPEN
R568	Q461HJ	C213A	OPEN
C569	Q461HJ	C214A	OPEN
R570	Q461HJ	C215A	OPEN
C571	Q461HJ	C216A	OPEN
R572	Q461HJ	C217A	OPEN
C573	Q461HJ	C218A	OPEN
R574	Q461HJ	C219A	OPEN
C575	Q461HJ	C220A	OPEN
R576	Q461HJ	C221A	OPEN
C577	Q461HJ	C222A	OPEN
R578	Q461HJ	C223A	OPEN
C579	Q461HJ	C224A	OPEN
R580	Q461HJ	C225A	OPEN
C581	Q461HJ	C226A	OPEN
R582	Q461HJ	C227A	OPEN
C583	Q461HJ	C228A	OPEN
R584	Q461HJ	C229A	OPEN
C585	Q461HJ	C230A	OPEN
R586	Q461HJ	C231A	OPEN
C587	Q461HJ	C232A	OPEN
R588	Q461HJ	C233A	OPEN
C589	Q461HJ	C234A	OPEN
R590	Q461HJ	C235A	OPEN
C591	Q461HJ	C236A	OPEN
R592	Q461HJ	C237A	OPEN
C593	Q461HJ	C238A	OPEN
R594	Q461HJ	C239A	OPEN
C595	Q461HJ	C240A	OPEN
R596	Q461HJ	C241A	OPEN
C597	Q461HJ	C242A	OPEN
R598	Q461HJ	C243A	OPEN
C599	Q461HJ	C244A	OPEN
R600	Q461HJ	C245A	OPEN
C601	Q461HJ	C246A	OPEN
R602	Q461HJ	C247A	OPEN
C603	Q461HJ	C248A	OPEN
R604	Q461HJ	C249A	OPEN
C605	Q461HJ	C250A	OPEN
R606	Q461HJ	C251A	OPEN
C607	Q461HJ	C252A	OPEN
R608	Q461HJ	C253A	OPEN
C609	Q461HJ	C254A	OPEN
R610	Q461HJ	C255A	OPEN
C611	Q461HJ	C256A	OPEN
R612	Q461HJ	C257A	OPEN
C613	Q461HJ	C258A	OPEN
R614	Q461HJ	C259A	OPEN
C615	Q461HJ	C260A	OPEN
R616	Q461HJ	C261A	OPEN
C617	Q461HJ	C262A	OPEN
R618	Q461HJ	C263A	OPEN
C619	Q461HJ	C264A	OPEN
R620	Q461HJ	C265A	OPEN
C621	Q461HJ	C266A	OPEN
R622	Q461HJ	C267A	OPEN
C623	Q461HJ	C268A	OPEN
R624	Q461HJ	C269A	OPEN
C625	Q461HJ	C270A	OPEN
R626	Q461HJ	C271A	OPEN
C627	Q461HJ	C272A	OPEN
R628	Q461HJ	C273A	OPEN
C629	Q461HJ	C274A	OPEN
R630	Q461HJ	C275A	OPEN
C631	Q461HJ	C276A	OPEN
R632	Q461HJ	C277A	OPEN
C633	Q461HJ	C278A	OPEN
R634	Q461HJ	C279A	OPEN
C635	Q461HJ	C280A	OPEN
R636	Q461HJ	C281A	OPEN
C637	Q461HJ	C282A	OPEN
R638	Q461HJ	C283A	OPEN
C639	Q461HJ	C284A	OPEN
R640	Q461HJ	C285A	OPEN
C641	Q461HJ	C286A	OPEN
R642	Q461HJ	C287A	OPEN
C643	Q461HJ	C288A	OPEN
R644	Q461HJ	C289A	OPEN
C645	Q461HJ	C290A	OPEN
R646	Q461HJ	C291A	OPEN
C647	Q461HJ	C292A	OPEN
R648	Q461HJ	C293A	OPEN
C649	Q461HJ	C294A	OPEN
R650	Q461HJ	C295A	OPEN
C651	Q461HJ	C296A	OPEN
R652	Q461HJ	C297A	OPEN
C653	Q461HJ	C298A	OPEN
R654	Q461HJ	C299A	OPEN
C655	Q461HJ	C300A	OPEN
R656	Q461HJ	C301A	OPEN
C657	Q461HJ	C302A	OPEN
R658	Q461HJ	C303A	OPEN
C659	Q461HJ	C304A	OPEN
R660	Q461HJ	C305A	OPEN
C661	Q461HJ	C306A	OPEN
R662	Q461HJ	C307A	OPEN
C663	Q461HJ	C308A	OPEN
R664	Q461HJ	C309A	OPEN
C665	Q461HJ	C310A	OPEN
R666	Q461HJ	C311A	OPEN
C667	Q461HJ	C312A	OPEN
R668	Q461HJ	C313A	OPEN
C669	Q461HJ	C314A	OPEN
R670	Q461HJ	C315A	OPEN
C671	Q461HJ	C316A	OPEN
R672	Q461HJ	C317A	OPEN
C673	Q461HJ	C318A	OPEN
R674	Q461HJ	C319A	OPEN
C675	Q461HJ	C320A	OPEN
R676	Q461HJ	C321A	OPEN
C677	Q461HJ	C322A	OPEN
R678	Q461HJ	C323A	OPEN
C679	Q461HJ	C324A	OPEN
R680	Q461HJ	C325A	OPEN
C681	Q461HJ	C326A	OPEN
R682	Q461HJ	C327A	OPEN
C683	Q461HJ	C328A	OPEN
R684	Q461HJ	C329A	OPEN
C685	Q461HJ	C330A	OPEN
R686	Q461HJ	C331A	OPEN
C687	Q461HJ	C332A	OPEN
R688	Q461HJ	C333A	OPEN
C689	Q461HJ	C334A	OPEN
R690	Q461HJ	C335A	OPEN
C691	Q461HJ	C336A	OPEN
R692	Q461HJ	C337A	OPEN</

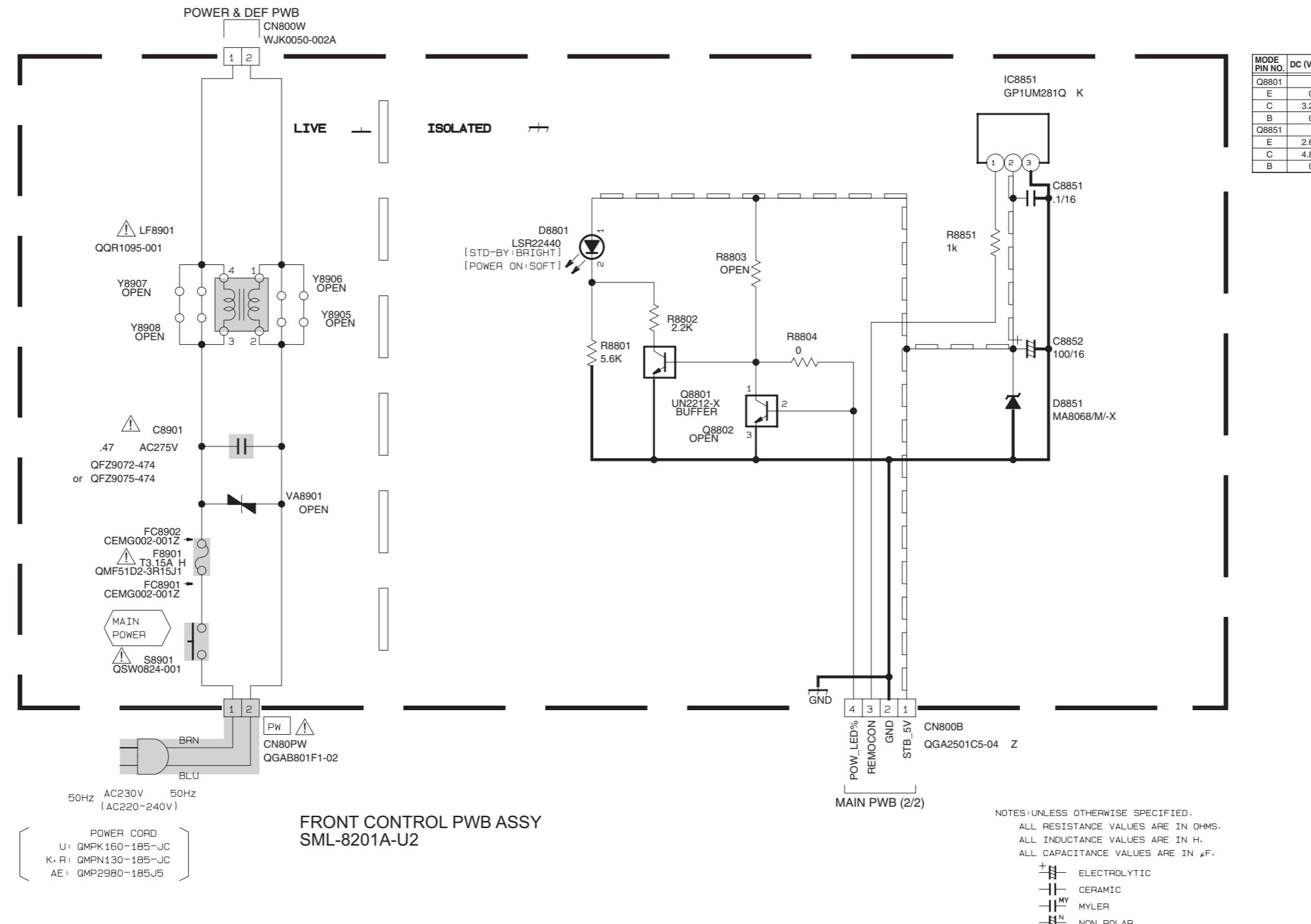
## *CRT SOCKET PWB CIRCUIT DIAGRAM*



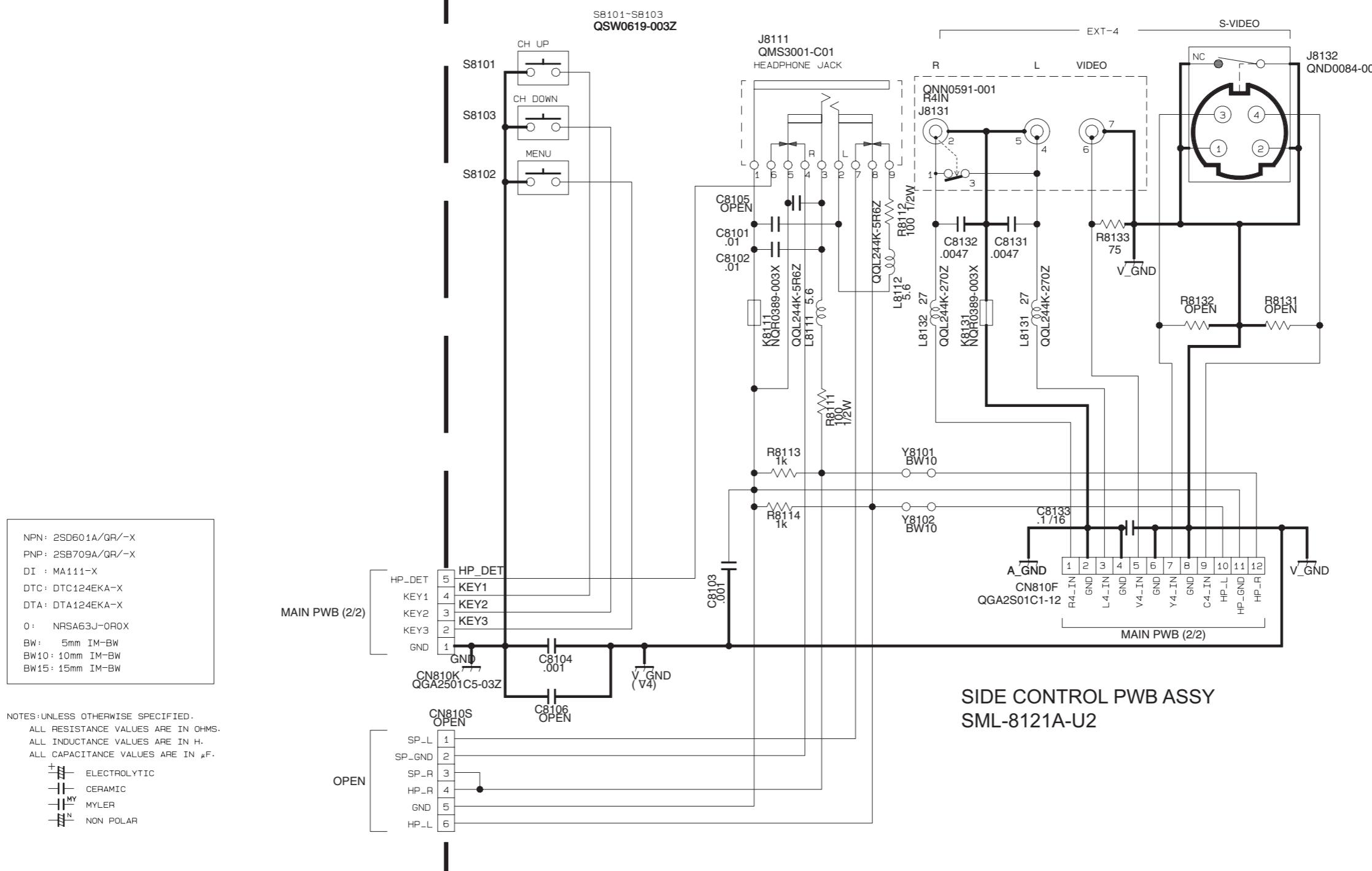
AV JACK PWB CIRCUIT DIAGRAM



FRONT CONTROL PWB CIRCUIT DIAGRAM

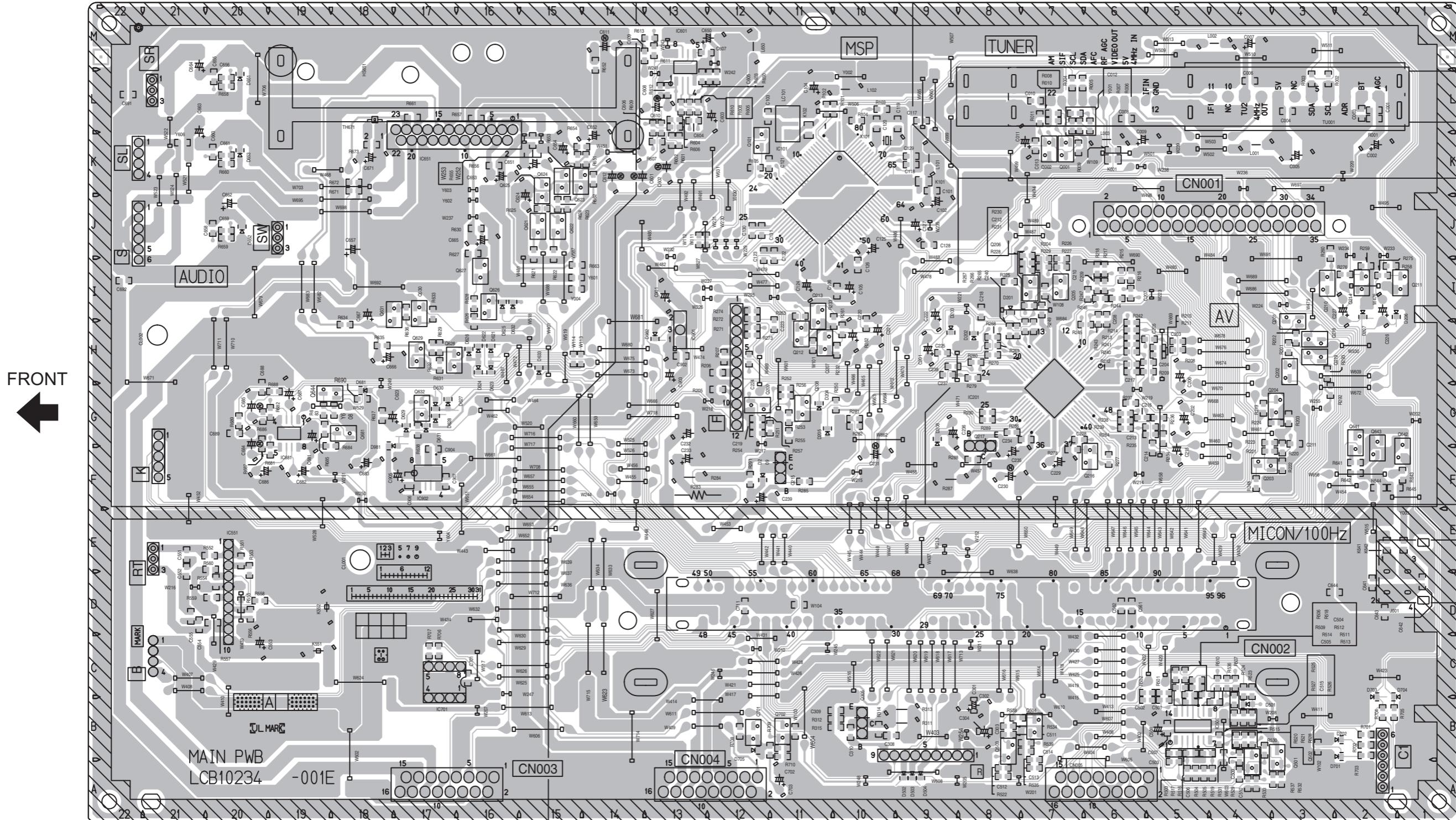


SIDE CONTROL PWB CIRCUIT DIAGRAM

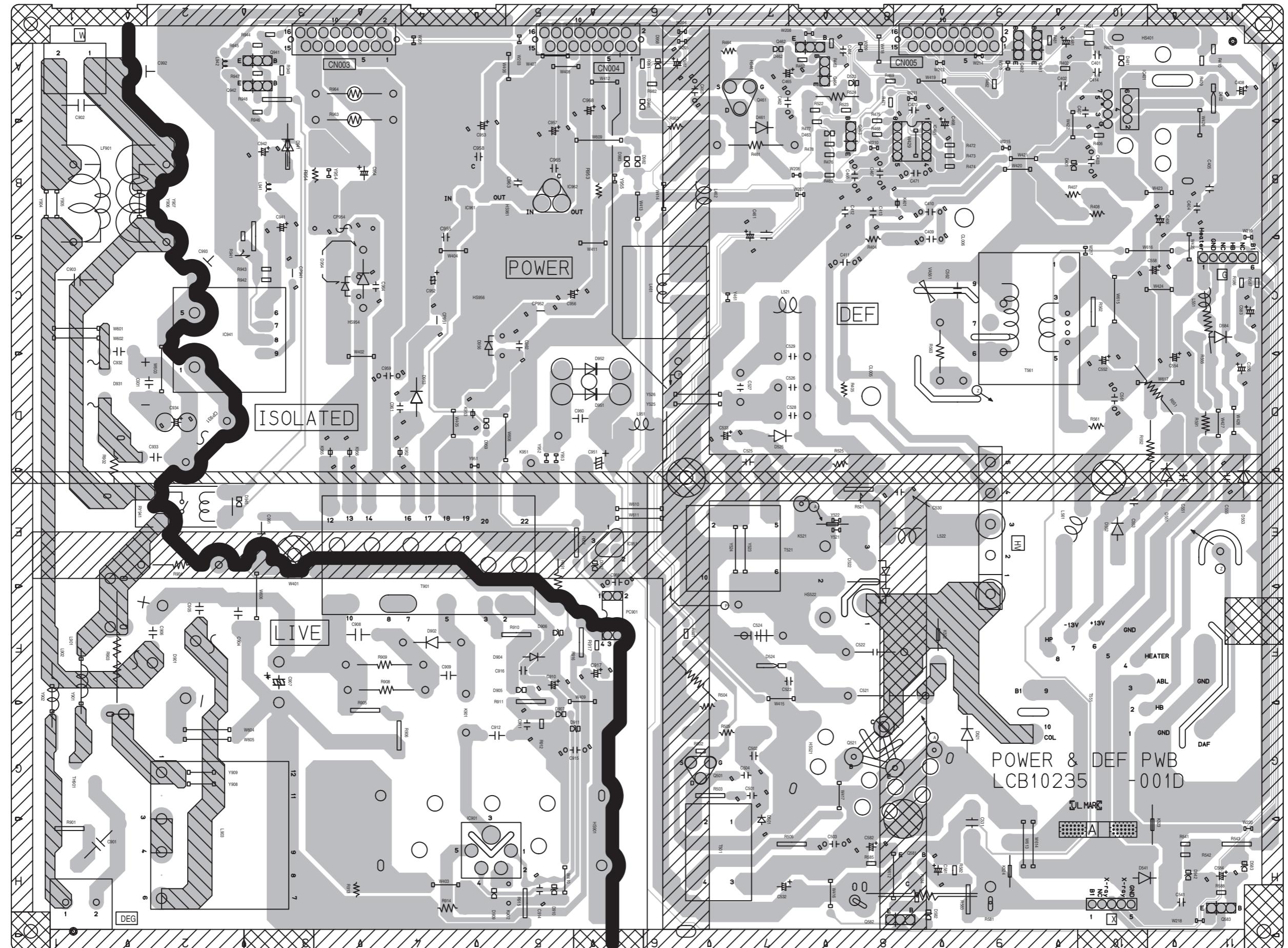


## PATTERN DIAGRAMS

### *MAIN PWB PATTERN [SOLDER SIDE]*



POWER & DEF PWB PATTERN [SOLDER SIDE]



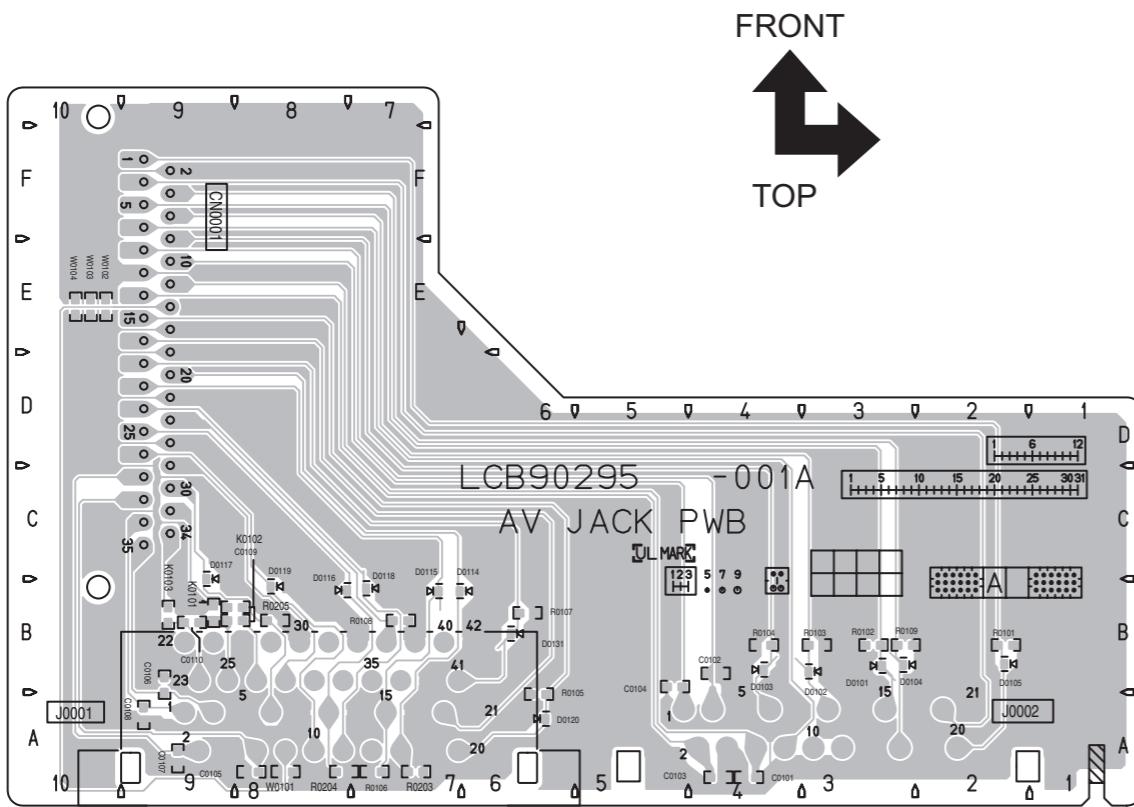
No.YA062

2-25

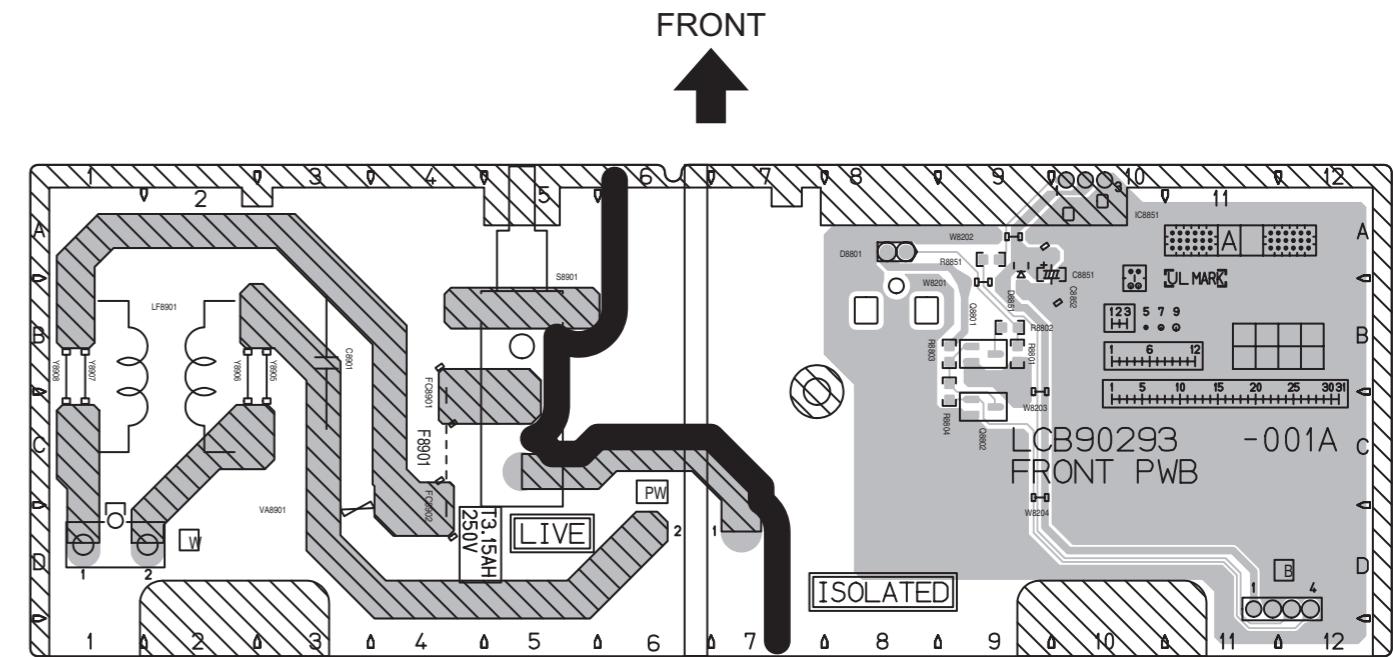
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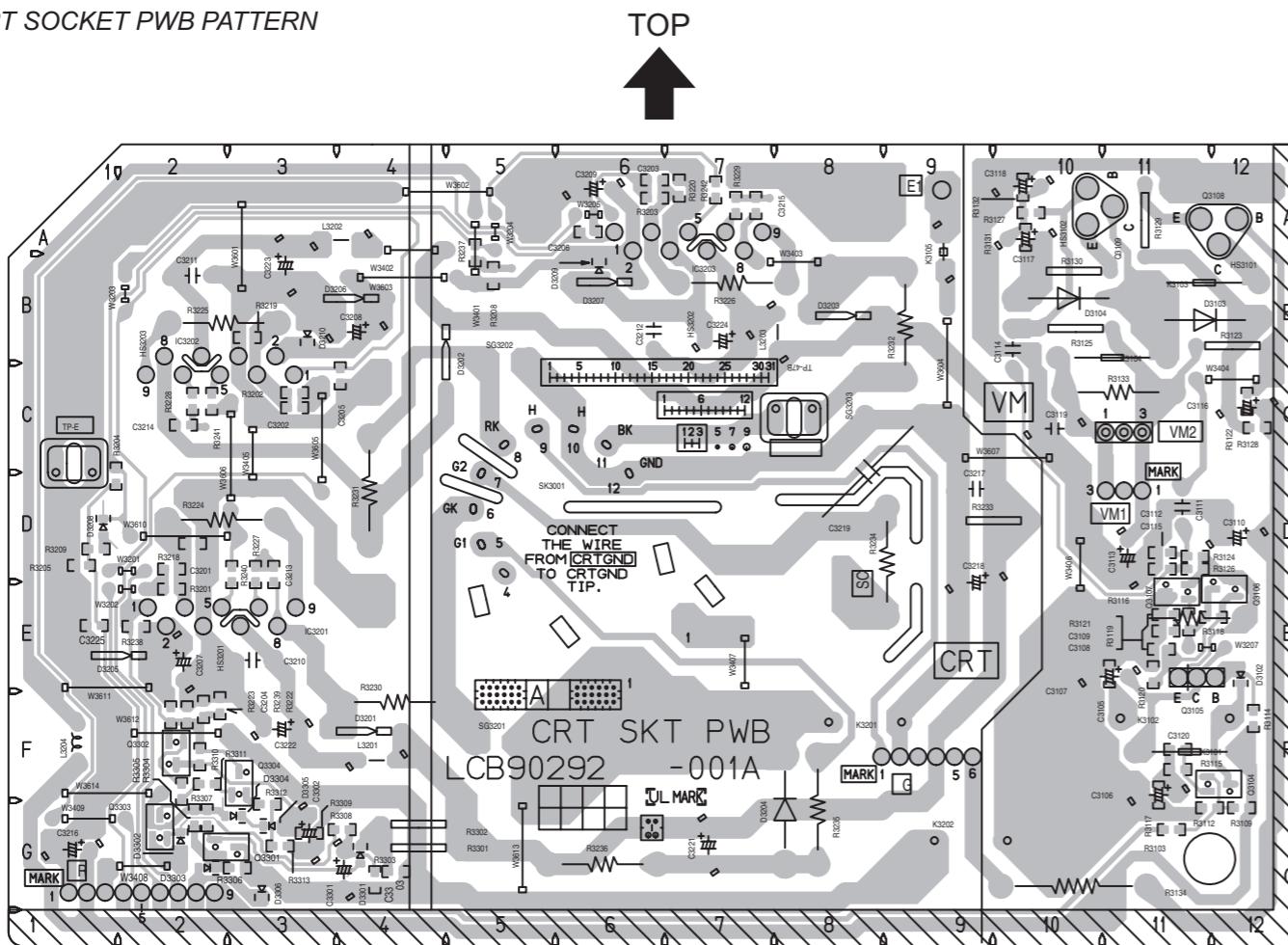
AV JACK PWB PATTERN



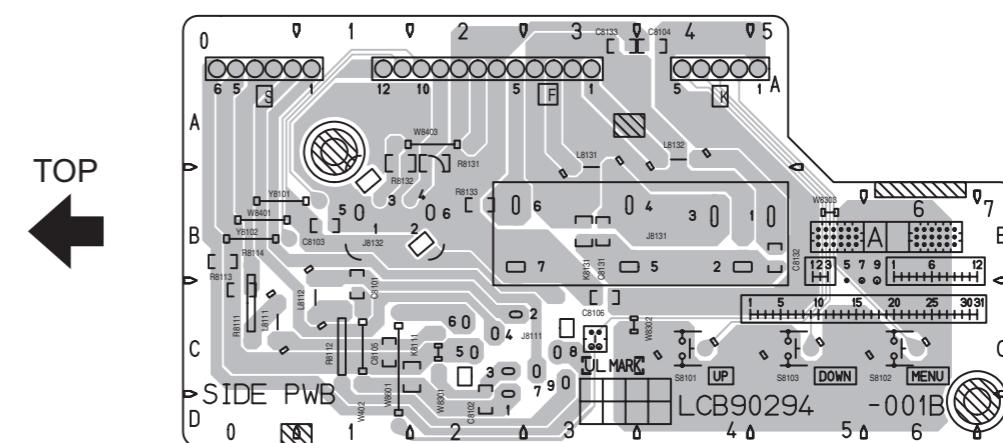
FRONT CONTROL PWB PATTERN



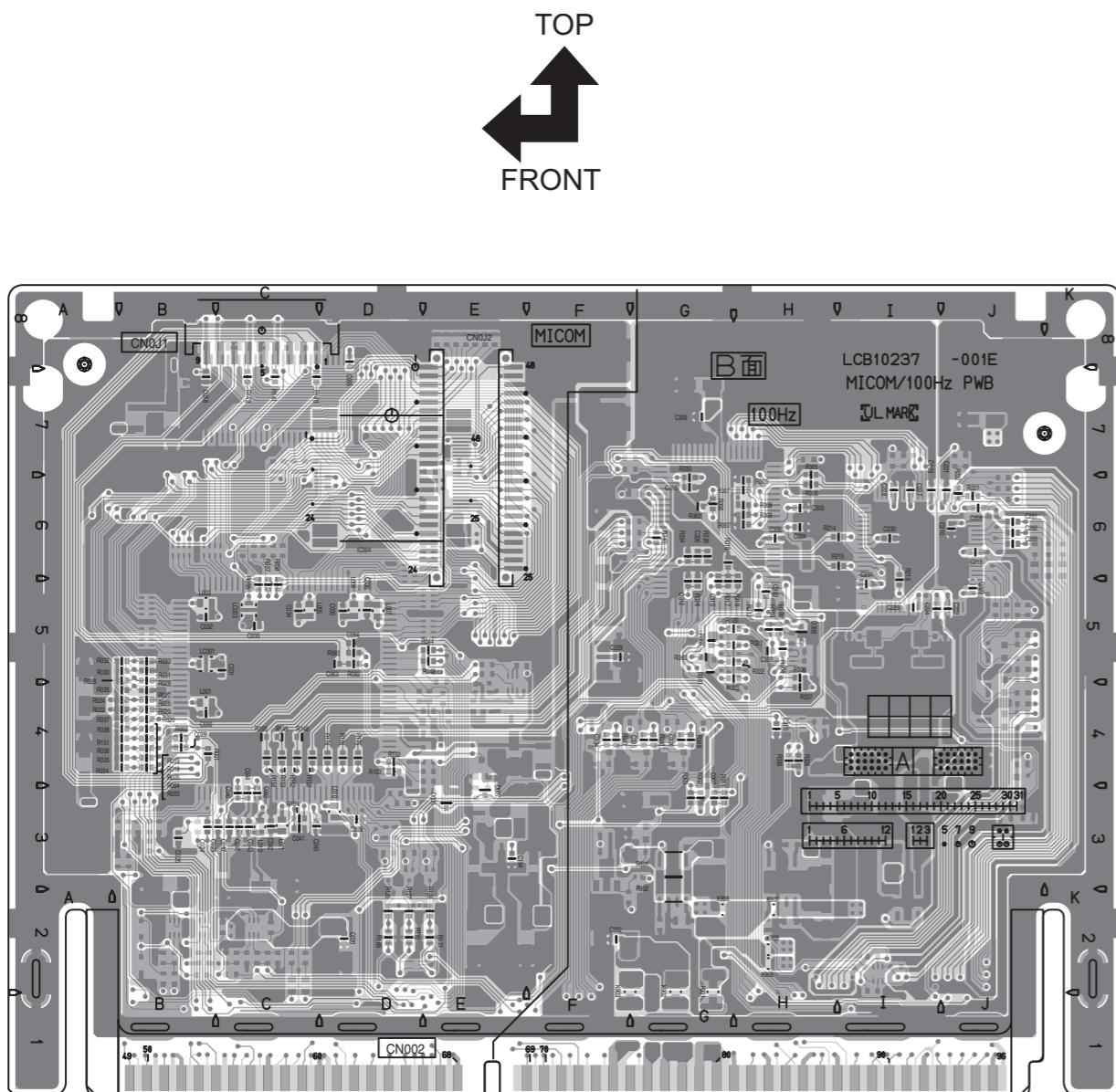
CRT SOCKET PWB PATTERN



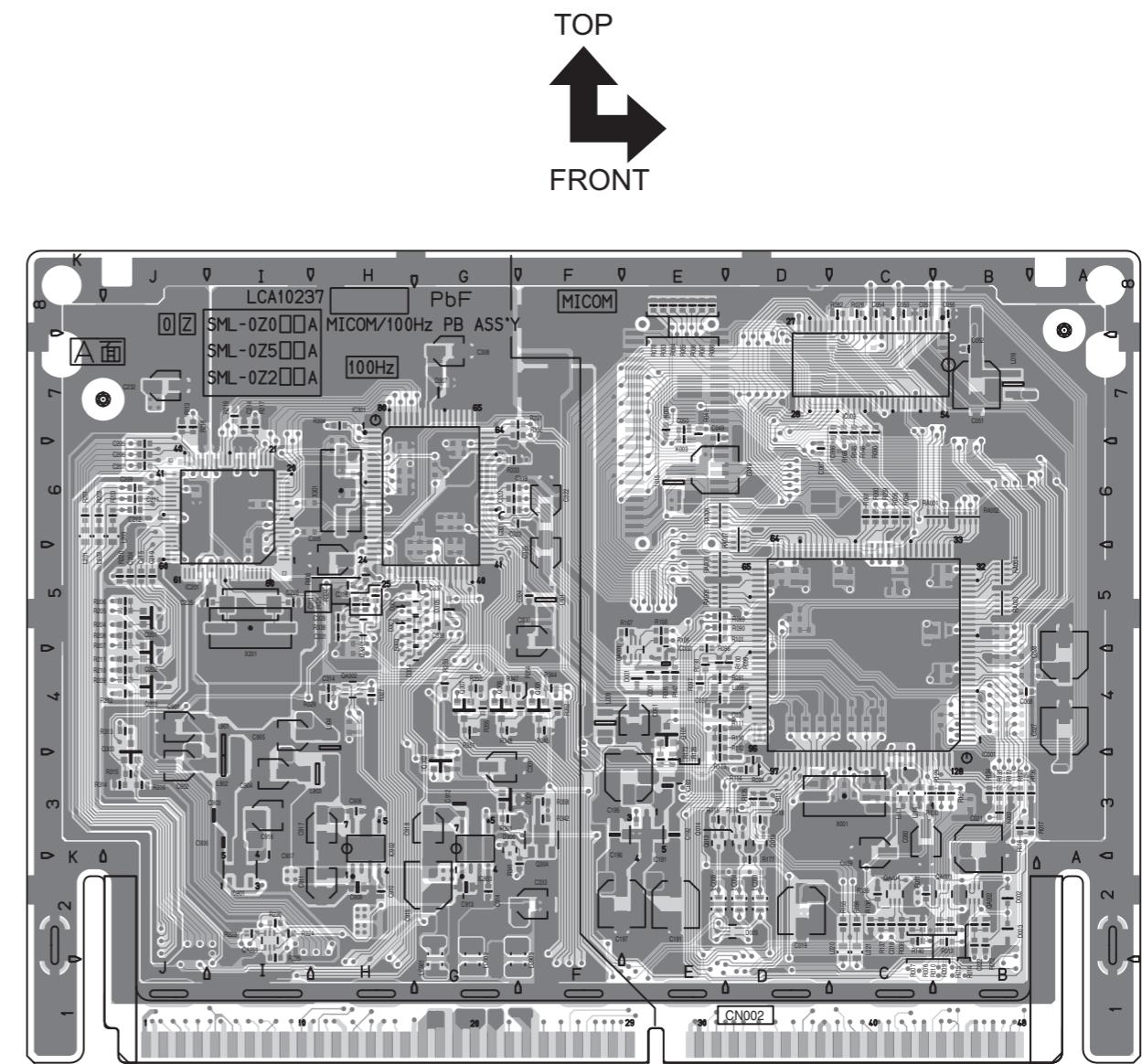
SIDE CONTROL PWB PATTERN



MICOM/100Hz PWB PATTERN [SOLDER SIDE]



MICOM/100Hz PWB PATTERN [PARTS SIDE]







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(No.YA062)