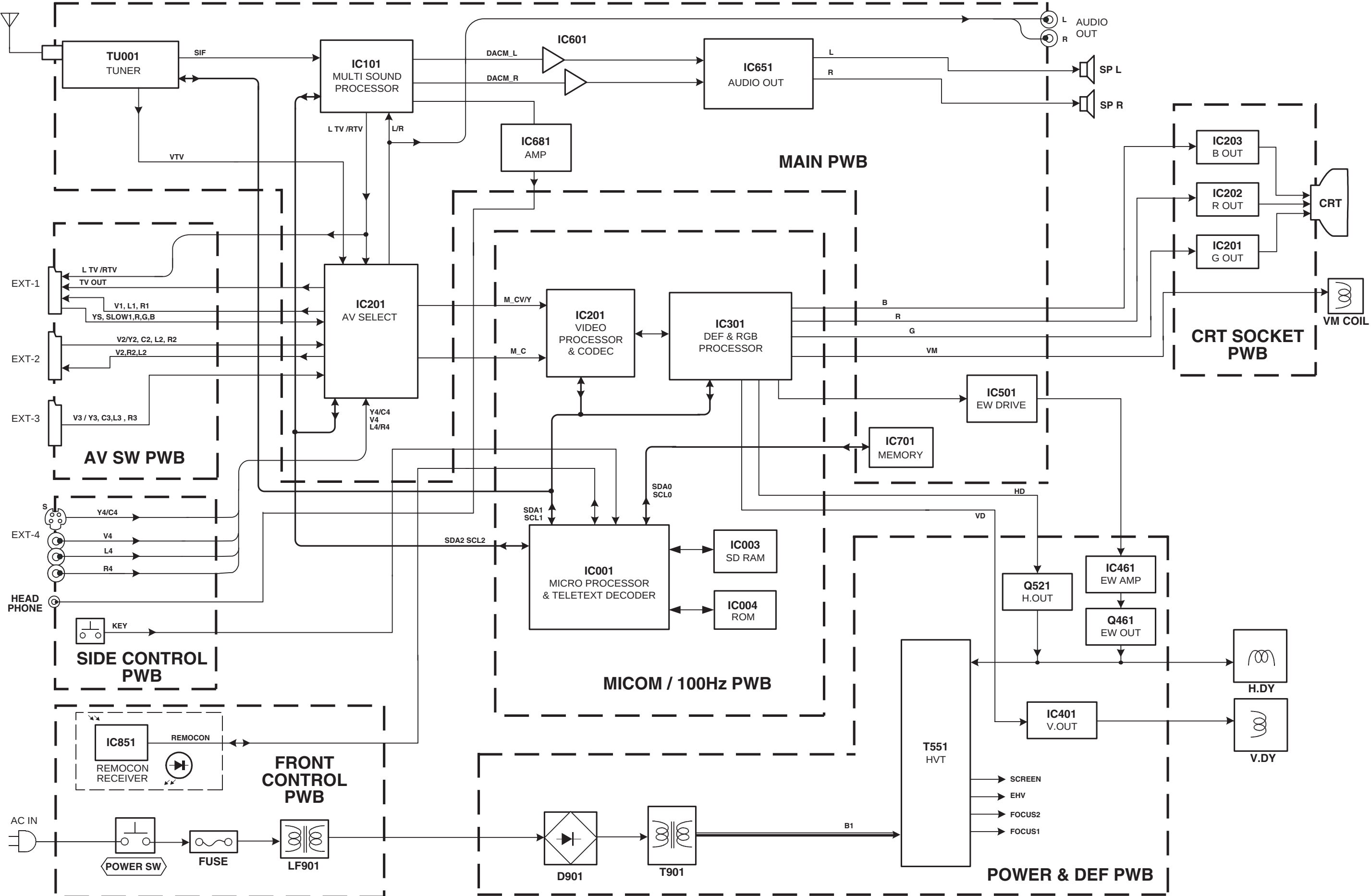
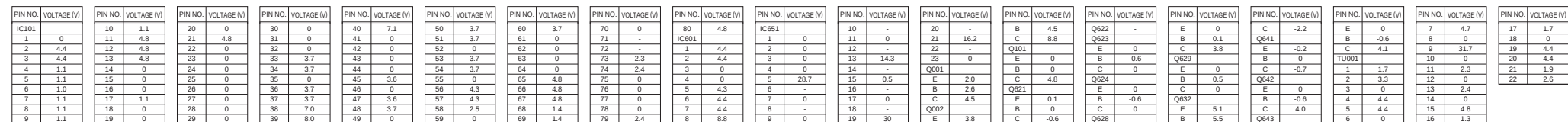
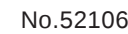


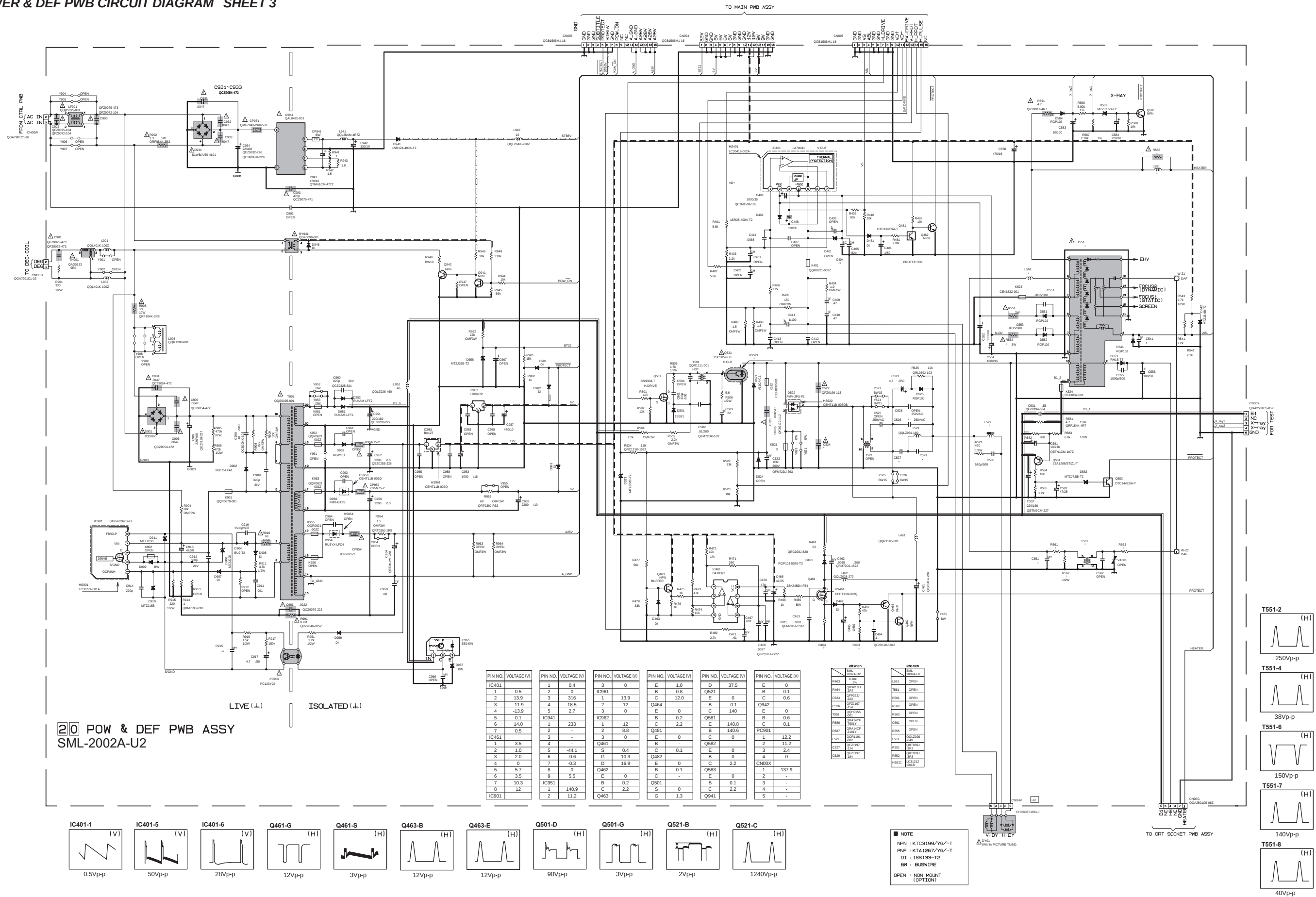
BLOCK DIAGRAM



MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1

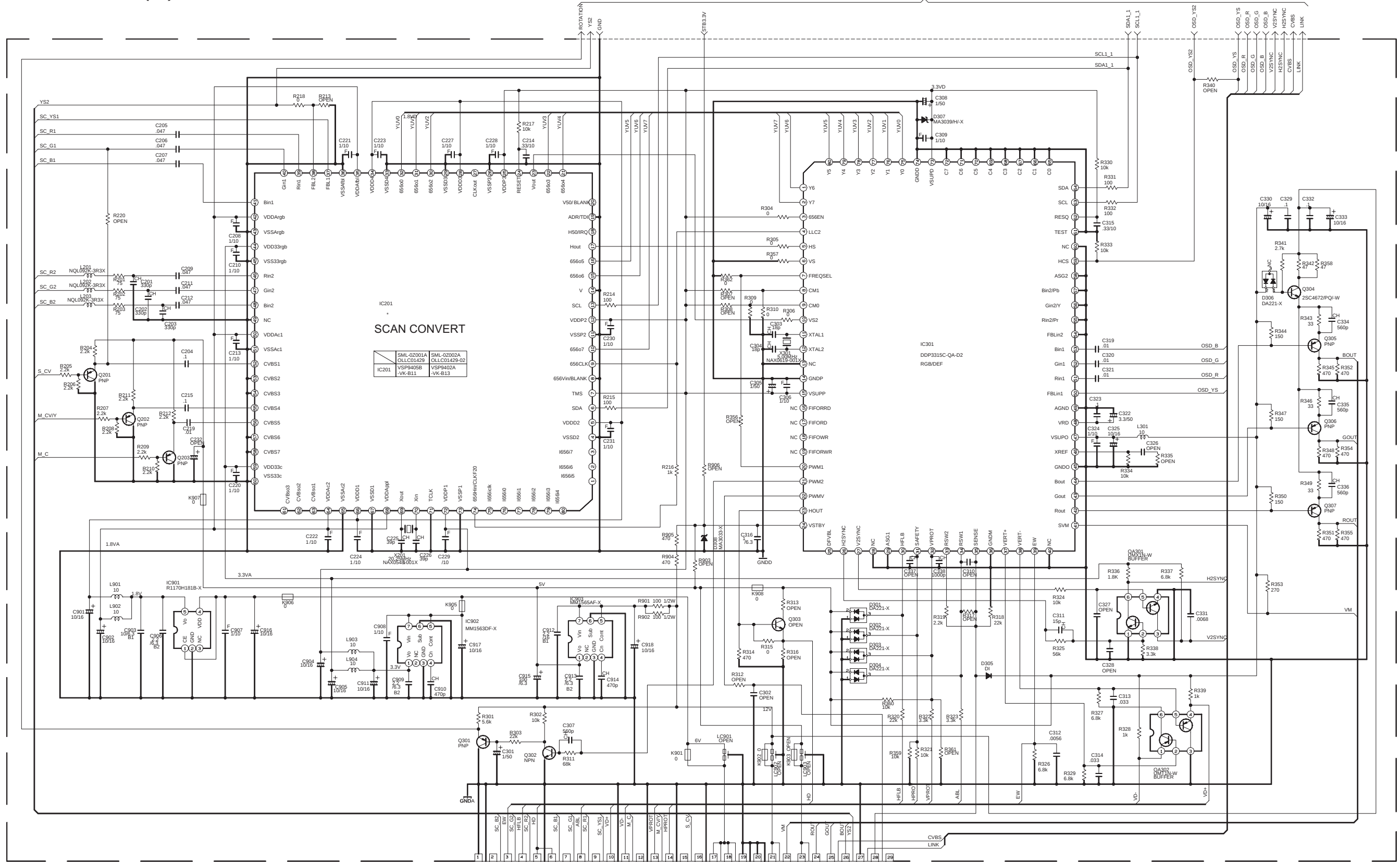




AV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUEAV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUE

AV-28X37SUE AV-28X35HKE AV-28X37SUE
AV-28X37HKE AV-28X35HKE AV-28X37HKE
AV-28X37HIE AV-28H35SUE AV-28X37HIE
AV-28X35HUE AV-28H35BUE AV-28X35HUE

TO MICOM PART



NOTE
NPN: 2SD601A/GR/-X
PNP: 2SB709A/GR/-X
DI: M4111-X
O: CHIP BUS WIRE

PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)
1	0	13	0	25	2.5	37	4.4	49	0	61	1.5	73	0	85	0
2	0	14	0.2	26	0	38	0	50	0	62	0	74	4.9	86	4.2
3	2.3	15	0	27	0	39	4.4	51	0	63	0	75	0	87	0
4	2.1	16	0	28	1.4	40	4.4	52	0	64	0.4	76	12	88	0
5	1.4	17	5.5	29	0	41	3.2	53	3.2	65	1.7	77	0	89	0
6	0	18	5.5	30	0	42	3.2	54	3.2	66	0	78	0	90	0
7	0	19	0	31	3.1	43	3.2	55	3.2	67	0	79	5.5	91	0
8	2.2	20	0	32	2.7	44	2.2	56	3.2	68	0	80	5.5	92	0
9	0	21	12	33	0	45	0	57	0	69	0	81	0	93	0
10	2.0	22	4.7	34	0	46	0	58	4.4	70	4.0	82	0	94	0
11	2.0	23	4.9	35	0	47	4.6	59	4.4	71	0	83	0	95	0
12	0	24	2.5	36	3.2	48	12	60	0	72	3.7	84	4.1	96	0
		25	2.5	38	0	49	0	61	1.5	73	0	85	0		
				50	0	62	0	74	4.9	86	4.2				
				63	0	75	0	87	0						
				76	12	88	0								
				89	0										
				90	0										

TO MAIN PWB ASSY

MICOM/100Hz PWB ASSY (1/2) (100Hz)
SML0Z001A-U2:AV-28X37SUE,AV-28X37HKE,AV-28H35HKE
AV-28X37HIE,AV-28X35HUE
SML0Z002A-U2:AV-28H35SUE,AV-28H35BUE



NOTE

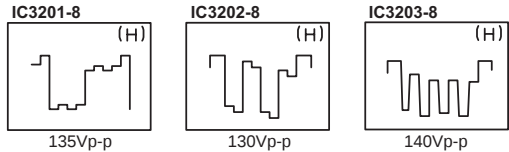
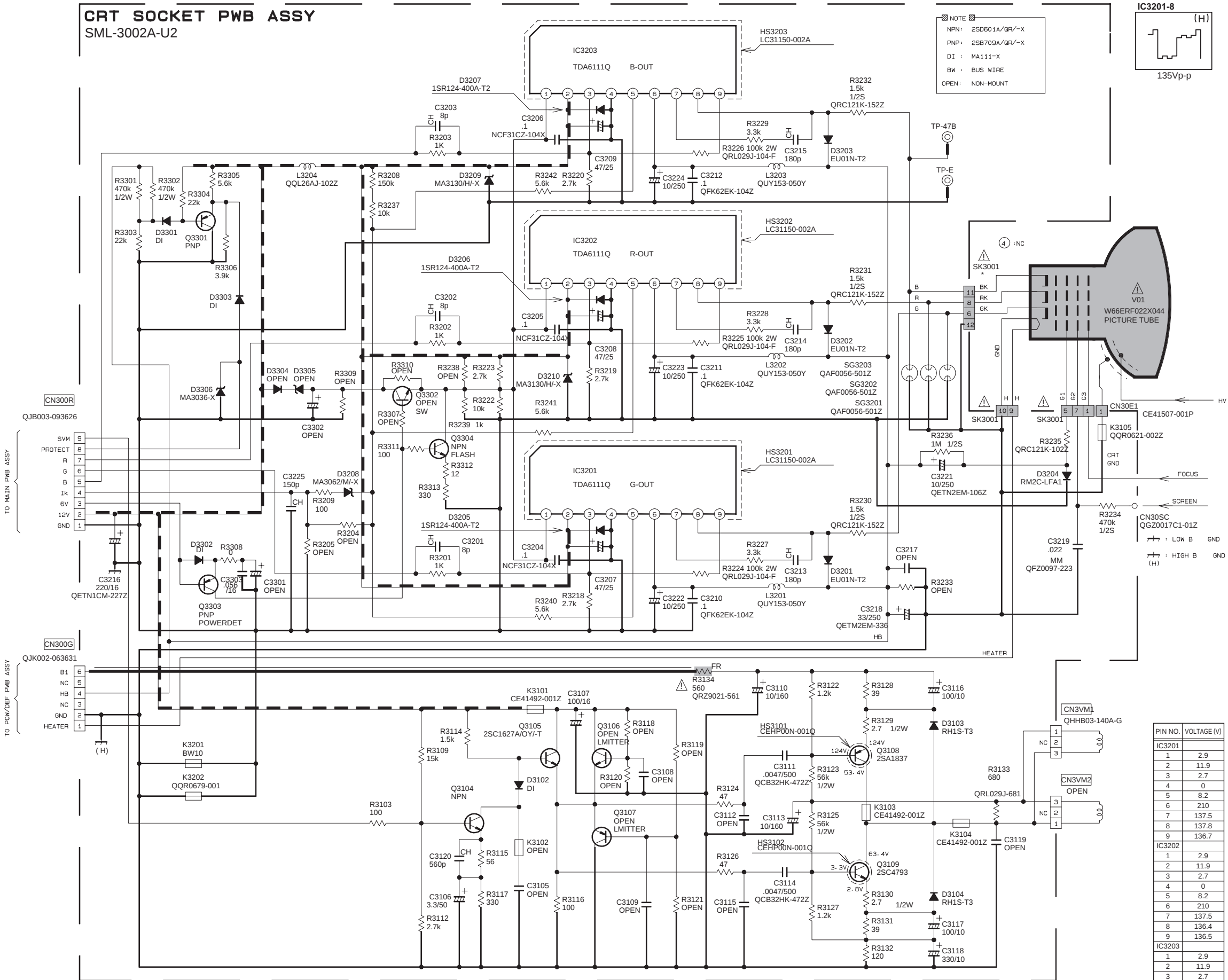
NPN:	2SD601A/QR/-X
PNP:	2SB709A/QR/-X
DI :	MA111-X
NRZ:	NRZ0040-0R0X

0: CHIP BUS WIRE

AV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUE

AV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUE

CRT SOCKET PWB ASSY
SML-3002A-U2



SML-3002A-U2
QNZ0536-001

PIN NO.	VOLTAGE (V)
IC3201	
1	2.9
2	11.9
3	2.7
4	0
5	8.2
6	210
7	137.5
8	137.8
9	136.7
IC3202	
1	2.9
2	11.9
3	2.7
4	0
5	8.2
6	210
7	137.5
8	136.4
9	136.5
IC3203	
1	2.9
2	11.9
3	2.7
4	0
5	8.2

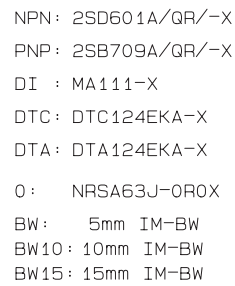
PIN NO.	VOLTAGE (V)
6	210
7	135.2
8	135
9	134.5
Q3104	
E	1.1
B	1.7
C	6.2
Q3105	
E	6.2
B	6.8
C	12.0
Q3108	
E	127.6
B	127.1
C	64.2
Q3109	
E	3.4
B	3.8
C	64.2
Q3301	
E	4.8
B	12.0
C	0
Q3303	
E	11.8

PIN NO.	VOLTAGE (V)
B	12.0
C	-1.0
Q3304	
E	0
B	-0.8
C	2.9

No.52106

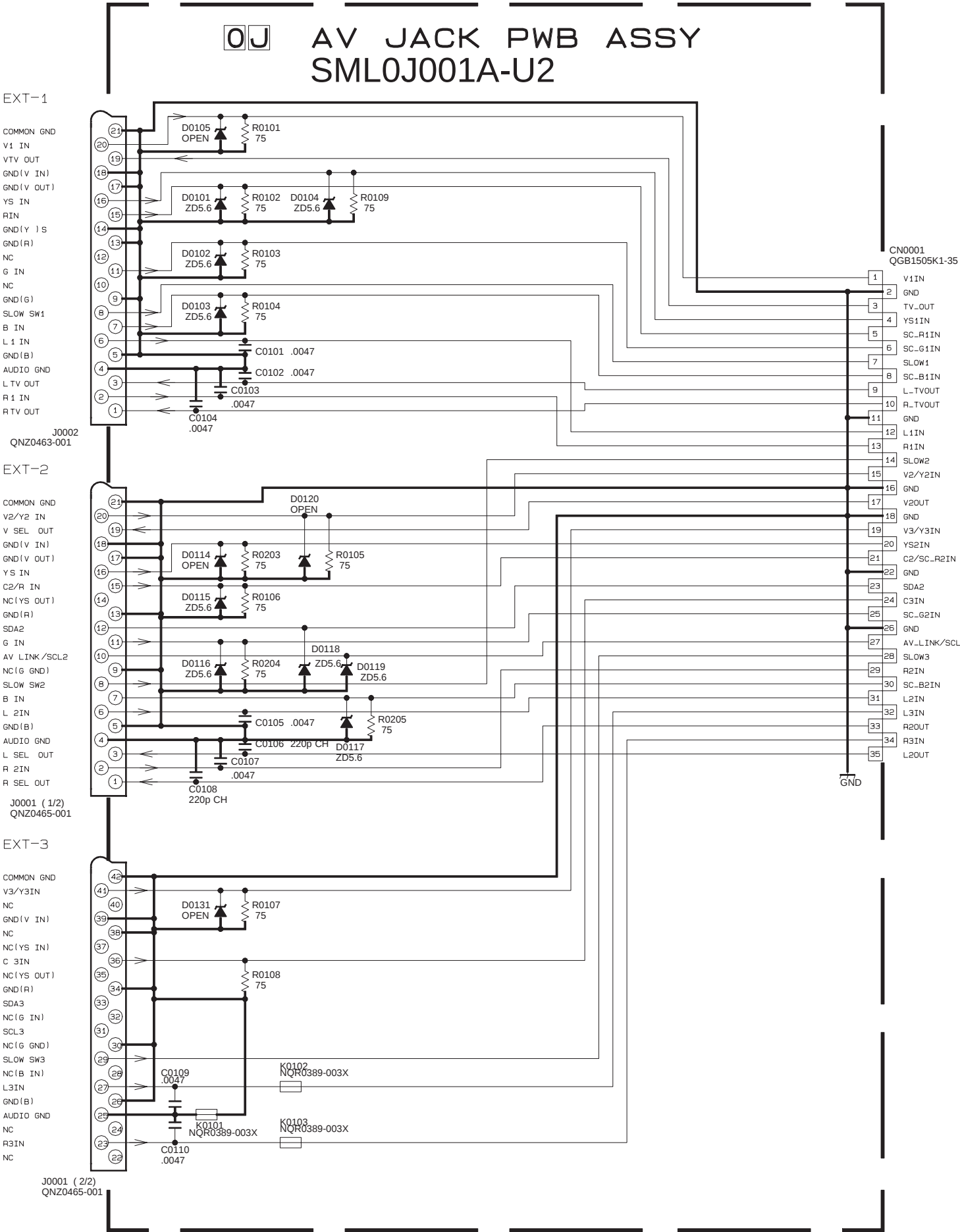


POWER CORD
UE: QMPK160-185-JC
KE, IE: QMPN130-185-JC
AE: QMP2980-185J5



AV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUE

AV-28X37SUE
AV-28X37HKE AV-28X35HKE
AV-28X37HIE AV-28H35SUE
AV-28X35HUE AV-28H35BUE



NOTE

OPEN : OPTION(NON MOUNT)
BW : 5mm IM-BW(GUY153-050Y)
0 : NRS463J-0R0X
ZD5.6 : MA3056/M/-X

3.4 BASIC OPERATION OF SERVICE MENU

3.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

3.4.2 SERVICE MENU ITEMS

With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

1.IF	This mode adjusts the setting values of the IF circuit.
2.V/C	This mode adjusts the setting values of the VIDEO / CHROMA circuit.
3.AUDIO	This mode adjusts the setting values of the multiplicity SOUND circuit.
4.DEF	This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below.
5.VSM PRESET	This mode adjusts the initial setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory)

3.4.3 BASIC OPERATION IN SERVICE MENU

(1) HOW TO ENTER SERVICE MENU

Press the “INFORMATION” key and the “MUTING” key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.1 will be displayed.

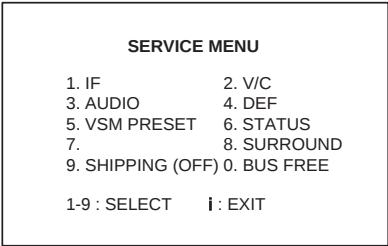


Fig.1

(2) SELECTION OF SUB MENU SCREEN

Press one of keys 1~5 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

1. IF

2. V / C

3. AUDIO

4. DEF.

5. VSM PRESET

6. STATUS

7.

8. SURROUND

9. SHIPPING (OFF)

0. BUS FREE

* : Do not adjust

NAME OF REMOTE CONTROL KEY	
Names of key	Key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

Fig.2