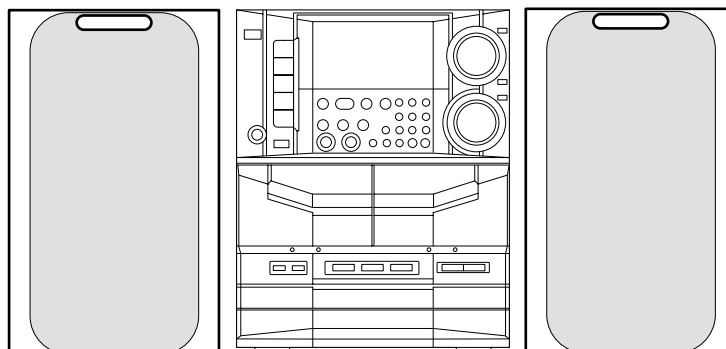




SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : 2ZM-3MK2 PR7NM
BASIC CD MECHANISM : AZG-1 ZD3RNDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-DS8	CX-NDS8	SX-WNAJ86 SX-R275 SX-C605	RC-ZAS22

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-DS8 (U), (S/M Code No. 09-007-436-3T1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1 ZD3RNDM, (S/M Code No. 09-001-335-3N8).

SPECIFICATIONS

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<AM tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

<Amplifier section>

Mid-high frequency amplifier	Front
Power output	30 W + 30 W (200 Hz - 20 kHz, T.H.D. less than 1 %, 8 ohms)
Total harmonic distortion	0.1 % (25 W, 1 kHz, 8 ohms, DIN AUDIO)
Low frequency amplifier	
Power output	90 W + 90 W (50 Hz - 200 Hz, T.H.D. less than 1 %, 6 ohms)
Total harmonic distortion	0.1 % (75 W, 120 Hz, 6 ohms, DIN AUDIO)
	Rear (Surround)
	33 W + 33 W (1 kHz, T.H.D. less than 1%, 8 ohms)
	Center
	34 W (1 kHz, T.H.D. less than 1 %, 8 ohms)
Inputs	VIDEO1/DVD/AUX: 316 mV (adjustable) VIDEO2/LD/MD: 316 mV (adjustable) MIC 1, MIC 2: 1 mV (10 kohms) DIGITAL IN:
	COAXIAL (VIDEO2) OPTICAL (VIDEO1) accept linear PCM signals (32 kHz, 44.1kHz and 48kHz) and Dolby Digital bit stream
Outputs	SPEAKER LOW FREQ: accept speakers of 6 ohms or more SPEAKER HIGH FREQ: accept speakers of 8 ohms or more SURROUND SPEAKERS: accept speakers of 8 ohms to 16 ohms CENTER SPEAKER: accept speakers of 8 ohms or more SUBWOOFER: 5 V LINE OUT: 210 mV PHONES (stereo jack): accepts headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO ₂ tape: 50 Hz – 16000 Hz NORMAL tape: 50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/Playback head x 1, erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<General>

Power requirements	120 V AC, 60 Hz
Power consumption	225 W
Power consumption in standby mode	If the power-economizing mode is ECO OFF: 42 W If the power-economizing mode is ECO ON or ECO AUTO: 0.9 W
Dimensions (W x H x D)	260 x 329 x 389.6 mm (10 1/4 X 13 X 15 3/8 in.)
Weight	12.5 kg (27 lbs. 9 oz.)

<Speaker system SX-WNAJ86>

Speaker system	3 way, built-in subwoofer (magnetic shielded type)
Speaker units	Subwoofer: 200 mm (7 7/8 in.) cone type Full range: 120 mm (4 3/4 in.) cone type Super tweeter: 20 mm (13/16 in.) ceramic type
Impedance	6 ohms/8 ohms
Sensitivity	87 dB/W/m
Dimensions (W x H x D)	240 x 324 x 285 mm (9 1/2 X 12 7/8 X 11 1/4 in.)
Weight	6.0 kg (13 lbs 4 oz.)

• Design and specifications are subject to change without notice.

• Manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY", the double-D symbol  and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

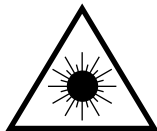
• The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
Under license from BBE Sound, Inc.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

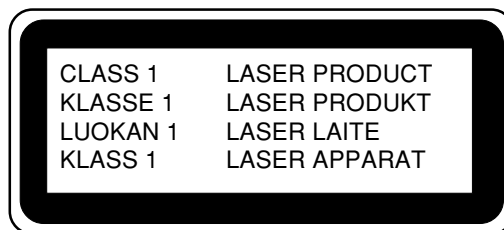
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.



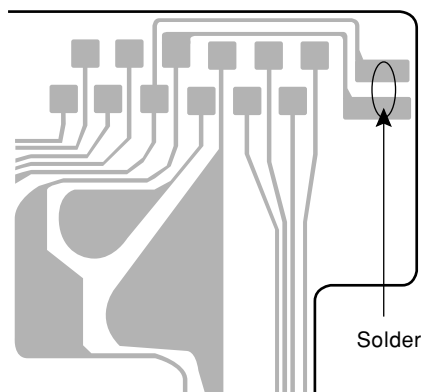
Precaution to replace Optical block

(KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in right figure.

PICK-UP Assy P.C.B



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

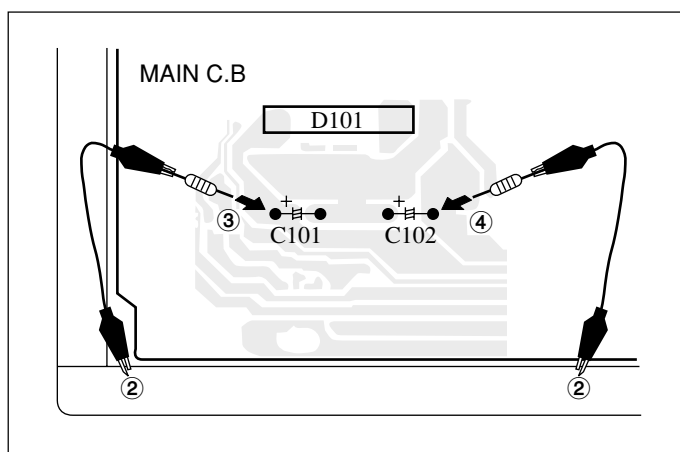


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is “H”, the MICROCOMPUTER is judged to be operating correctly. When this terminal is “L”, the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go “L” when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to “L”.

• Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the “H” level or not.
- ③ When the HOLD terminal is “L” level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

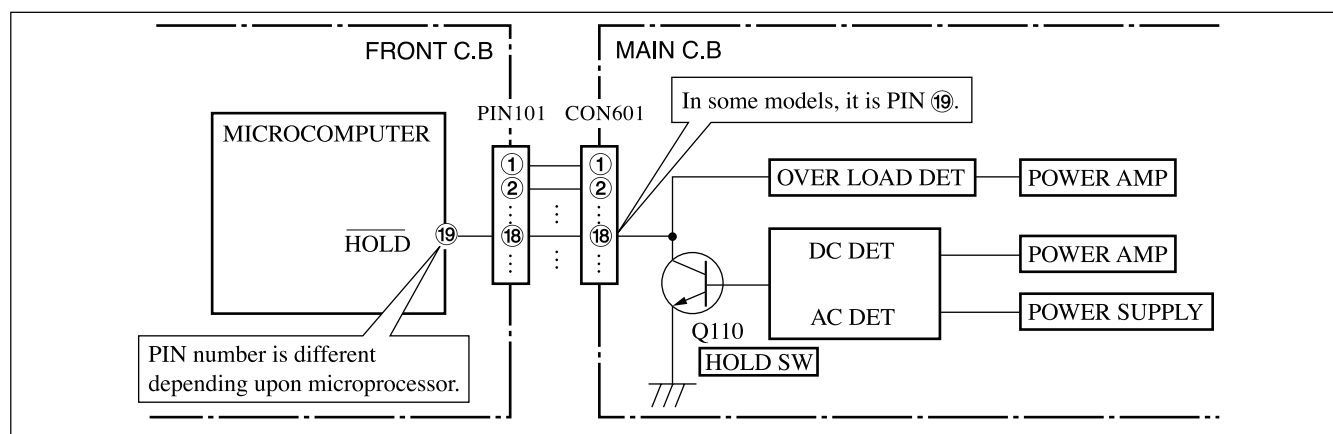


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

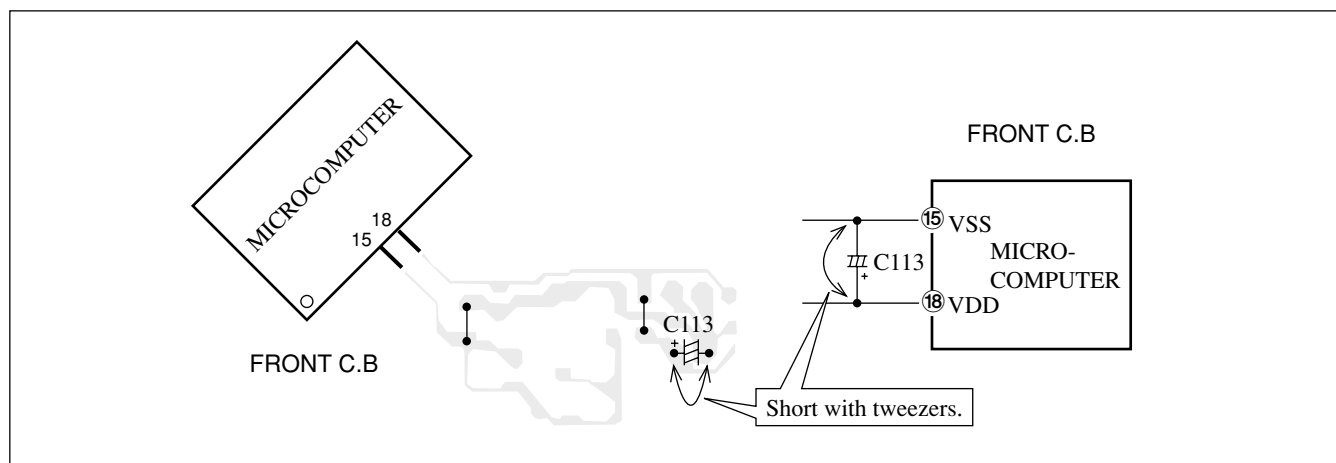


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC							
	8A-NFG-605-030	C-IC,LC876572V-ANFG		87-017-149-080		ZENER,HZS6A2L	
	87-A21-418-010	IC,STK490-340		87-A40-348-080		ZENER,MTZJ3.3A	
	87-A21-397-010	IC,STK490-070		87-017-931-080		ZENER,MTZJ5.6B	
	87-A20-914-010	IC,SPS-442-1-F		87-A40-535-080		DIODE,IN5393-GOODARK	
	87-A20-783-040	C-IC,BA7762AFS		87-A40-754-080		ZENER,UZ6.8BSC	
	87-A21-577-040	C-IC,M61506FP		87-A40-737-080		ZENER,UZ2.2BSB	
	87-A21-021-040	C-IC,BU2099FV		MAIN C.B			
	87-070-289-040	IC,BU 2092F		C3	87-012-368-080	C-CAP,S 0.1-50 F	
	87-A21-452-030	C-IC,BD3876KS2		C4	87-012-368-080	C-CAP,S 0.1-50 F	
	87-A21-560-010	IC,LA1844L-A		C21	87-016-658-000	CAP,E 4700-35 M SMG	
	87-070-127-110	IC,LC72131 D		C22	87-016-658-000	CAP,E 4700-35 M SMG	
	87-020-454-010	IC,DN 6851		C25	87-010-247-080	CAP,ELECT 100-50V	
	87-A20-823-010	C-IC,YSS248					
	87-A20-824-010	C-IC,CS4226		C26	87-010-247-080	CAP, ELECT 100-50V	
	87-017-022-080	C-IC,NJM2068M-D(T1)		C27	87-010-247-080	CAP, ELECT 100-50V	
	87-020-784-080	C-IC,TC4053BF		C28	87-010-247-080	CAP, ELECT 100-50V	
	87-020-903-010	IC,NJM7805FA		C31	87-010-263-080	CAP, ELECT 100-10V	
	87-070-391-040	C-IC,BA4558F		C32	87-010-197-080	CAP, CHIP 0.01 DM	
	87-A20-870-010	IC,GP1F37R					
	87-A21-111-040	C-IC,M62495FP		C33	87-010-263-080	CAP, ELECT 100-10V	
	87-020-784-080	C-IC,TC74HC00AF		C34	87-010-247-080	CAP, ELECT 100-50V	
	87-A21-018-040	C-IC,M65849BFP631D		C35	87-010-384-080	CAP, ELECT 100-25V	
	87-001-604-080	C-IC,TC74HCU04M		C36	87-010-235-080	CAP, ELECT 470-16V	
				C38	87-010-430-080	CAP, ELECT 100-63V	
TRANSISTOR				C40	87-010-197-080	CAP, CHIP 0.01 DM	
	87-A30-075-080	C-TR,2SA1235F		C60	87-010-403-080	CAP, ELECT 3.3-50V	
	89-213-702-010	TR,2SB1370 (1.8W)		C71	87-010-235-080	CAP, ELECT 470-16V	
	87-A30-071-080	C-TR,RT1N144C		C72	87-010-258-080	CAP, ELECT 22-35V	
	87-A30-257-080	C-TR,2SD1306E		C80	87-010-401-080	CAP, ELECT 1-50V	
	87-A30-076-080	C-TR,2SC3052F					
	87-026-610-080	TR,KTC3198GR		C81	87-010-379-080	CAP, ELECT 22-16V	
	87-026-609-080	TR,KTA1266GR		C82	87-010-260-080	CAP, ELECT 47-25V	
	87-A30-087-080	C-FET,2SK2158		C104	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-A30-107-070	C-TR,CMBT5401		C105	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-026-608-080	C-TR,DTC123JK		C111	87-010-545-080	CAP, ELECT 0.22-50V	
	87-A30-468-080	C-TR,KRC102S-RTK		C112	87-010-545-080	CAP, ELECT 0.22-50V	
	87-A30-074-080	C-TR,RT1P141C		C113	87-010-545-080	CAP, ELECT 0.22-50V	
	87-A30-269-040	C-FET,2SJ461-T1		C114	87-010-545-080	CAP, ELECT 0.22-50V	
	87-A30-106-040	C-TR,CMBT5551		C115	87-010-546-080	CAP, ELECT 0.33-50V	
	87-A30-256-010	TR,2SD1933		C116	87-010-546-080	CAP, ELECT 0.33-50V	
	87-A30-190-080	TR,CC5551		C121	87-010-546-080	CAP, ELECT 0.33-50V	
	87-A30-063-080	C-TR,KRA104S		C122	87-010-546-080	CAP, ELECT 0.33-50V	
	87-A30-086-070	C-TR,CSD1306E		C152	87-010-260-080	CAP, ELECT 47-25V	
	87-A30-255-010	TR,2SB1342		C163	87-012-368-080	C-CAP,S 0.1-50 F	
	87-A30-329-080	TR,CD1585BC		C171	87-012-368-080	C-CAP,S 0.1-50 F	
	89-327-143-080	TR,2SC2714 (0.1W)		C172	87-012-368-080	C-CAP,S 0.1-50 F	
	87-A30-489-080	C-TR,KRA107S		C173	87-012-368-080	C-CAP,S 0.1-50 F	
	87-A30-234-080	TR,CSC4115BC		C174	87-012-368-080	C-CAP,S 0.1-50 F	
	87-026-463-080	TR,2SA933S		C301	87-010-318-080	C-CAP,S 47P-50 J CH	
	87-A30-495-080	TR,2SA1981Y		C302	87-010-318-080	C-CAP,S 47P-50 J CH	
	89-110-372-080	C-TR,2SA1037K(R)					
	87-A30-221-040	C-TR,DTA114WK		C303	87-012-157-080	C-CAP,S 330P-50 CH	
DIODE				C304	87-012-157-080	C-CAP,S 330P-50 CH	
	87-A40-673-090	DIODE,D10XB20		C305	87-012-157-080	C-CAP,S 330P-50 CH	
	87-020-465-080	DIODE,1SS133		C306	87-012-157-080	C-CAP,S 330P-50 CH	
	87-A40-553-080	DIODE,1N4003 LES		C307	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-A40-784-080	ZENER,UZ39BSB		C309	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-A40-764-080	ZENER,UZ10BSC		C310	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-A40-313-080	C-DIODE,MC2840		C311	87-010-198-080	CAP, CHIP 0.022	
	87-A40-270-080	C-DIODE,MC2838		C312	87-010-198-080	CAP, CHIP 0.022	
	87-A40-269-080	C-DIODE,MC2836		C313	87-010-181-080	CAP,CHIP S 1800P	
	87-A40-768-080	ZENER,UZ16BSA		C314	87-010-181-080	CAP,CHIP S 1800P	
	87-A40-752-080	ZENER,UZ6.2BSC		C315	87-010-179-080	CAP,CHIP S B1200P	
	87-A40-802-080	ZENER,UZ5.1BSC		C316	87-010-179-080	CAP,CHIP S B1200P	
	87-A40-745-080	ZENER,UZ4.7BSA		C321	87-012-142-080	CAP, S 0.33-16	
				C322	87-012-142-080	CAP, S 0.33-16	
				C324	87-010-260-080	CAP, ELECT 47-25V	
				C325	87-010-370-080	CAP,E 330-6.3 SME	
				C327	87-010-404-080	CAP, ELECT 4.7-50V	
				C328	87-010-404-080	CAP, ELECT 4.7-50V	
				C332	87-010-196-080	CHIP CAPACITOR,0.1-25	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C335	87-010-401-080	CAP, ELECT	1-50V
C336	87-010-401-080	CAP, ELECT	1-50V
C337	87-010-196-080	CHIP CAPACITOR,	0.1-25
C339	87-010-196-080	CHIP CAPACITOR,	0.1-25
C340	87-010-196-080	CHIP CAPACITOR,	0.1-25
C351	87-012-140-080	CAP 470P	
C352	87-012-140-080	CAP 470P	
C354	87-010-175-080	CAP 560P	
C355	87-010-178-080	CHIP CAP 1000P	
C356	87-010-260-080	CAP, ELECT	47-25V
C357	87-010-197-080	CAP, CHIP	0.01 DM
C358	87-010-183-080	C-CAP,S	2700P-50 B
C359	87-010-183-080	C-CAP,S	2700P-50 B
C360	87-010-183-080	C-CAP,S	2700P-50 B
C370	87-010-196-080	CHIP CAPACITOR,	0.1-25
C373	87-016-083-080	C-CAP,S	0.15-16 RK
C374	87-016-083-080	C-CAP,S	0.15-16 RK
C378	87-010-196-080	CHIP CAPACITOR,	0.1-25
C379	87-010-382-080	CAP, ELECT	22-25V
C380	87-010-382-080	CAP, ELECT	22-25V
C381	87-010-197-080	CAP, CHIP	0.01 DM
C382	87-010-312-080	C-CAP,S	15P-50 CH
C383	87-010-197-080	CAP, CHIP	0.01 DM
C384	87-010-402-080	CAP, ELECT	2.2-50V
C386	87-010-196-080	CHIP CAPACITOR,	0.1-25
C387	87-012-145-080	CAP, CHIP S	270P CH
C388	87-012-156-080	C-CAP,S	220P-50 CH
C391	87-010-319-080	C-CAP,S	56P-50 CH
C392	87-010-319-080	C-CAP,S	56P-50 CH
C393	87-010-319-080	C-CAP,S	56P-50 CH
C394	87-010-319-080	C-CAP,S	56P-50 CH
C401	87-010-401-080	CAP,E	1-50V
C402	87-010-401-080	CAP,E	1-50V
C403	87-010-154-080	CHIP -CAP,	S 10P-50V
C404	87-010-154-080	CHIP -CAP,S	10P-50V
C405	87-010-196-080	CHIP -CAP,S	0.1-25V
C406	87-010-196-080	CHIP -CAP,S	0.1-25V
C407	87-010-408-080	CAP, ELECT	47-50V
C408	87-010-408-080	CAP, ELECT	47-50V
C409	87-010-154-080	CHIP CAPACITOR,S	10P-50
C421	87-010-401-080	CAP,E	1-50V
C422	87-010-405-080	CAP,E	10-50V
C424	87-010-154-080	C-CAP,S	10P-50D CH
C425	87-010-196-080	CHIP CAPACITOR,	0.1-25
C426	87-010-196-080	CHIP CAPACITOR,	0.1-25
C427	87-010-154-080	C-CAP,S	10P-50D CH
C428	87-010-401-080	CAP,E	1-50V
C431	87-010-154-080	C-CAP,S	10P-50
C451	87-010-196-080	C-CAP,S	0.1-25 ZF
C452	87-010-378-080	CAP,E	10-16V
C453	87-010-196-080	C-CAP,S	0.1-25 Z F
C454	87-010-378-080	CAP,E	10-60V
C489	87-010-402-080	CAP, ELECT	2.2-50V
C491	87-010-402-080	CAP, ELECT	2.2-50V
C492	87-010-402-080	CAP, ELECT	2.2-50V
C531	87-010-405-080	CAP, ELECT	10-50V
C532	87-010-196-080	CHIP CAPACITOR,	0.1-25
C533	87-010-196-080	CHIP CAPACITOR,	0.1-25
C534	87-012-156-080	C-CAP,S	220P-50 CH
C535	87-010-178-080	CHIP CAP 1000P	
C536	87-010-196-080	CHIP CAPACITOR,	0.1-25
C541	87-010-178-080	CHIP CAP 1000P	
C609	87-010-181-080	CAP,CHIP S	1800P
C610	87-010-181-080	CAP,CHIP S	1800P
C611	87-010-956-080	CHIP-CAP,S	0.068-25B
C612	87-016-369-080	C-CAP,S	0.033-25 B K
C613	87-A11-567-080	C-CAP,S	0.01-50K B
C614	87-016-669-080	C-CAP,S	0.1-25 K B
C616	87-010-184-080	CHIP CAPACITOR	3300P(K)
C617	87-012-369-080	C-CAP,S	0.047-50F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C618	87-010-401-080	CAP, ELECT	1-50V
C619	87-010-263-080	CAP, ELECT	100-10V
C620	87-016-669-080	C-CAP,S	0.1-25 K B
C621	87-A11-567-080	C-CAP,S	0.01-50K B
C623	87-010-401-080	CAP, ELECT	1-50V
C624	87-010-401-080	CAP, ELECT	1-50V
C626	87-A11-590-080	CAP, S	0.047-16
C627	87-010-400-080	CAP, ELECT	0.47-50V
C628	87-010-400-080	CAP, ELECT	0.47-50V
C629	87-A11-590-080	CAP, S	0.047-16
C630	87-010-383-080	CAP, ELECT	33-25V
C631	87-010-185-080	C-CAP,S	3900P-50 B
C632	87-010-185-080	C-CAP,S	3900P-50 B
C633	87-010-178-080	C-CAP,S	1000P-50 B
C634	87-010-196-080	CHIP CAPACITOR,	0.1-25
C635	87-A10-307-080	CAP,M	0.1-50 J
C636	87-A10-307-080	CAP,M	0.1-50 J
C637	87-A10-307-080	CAP,M	0.1-50 J
C638	87-A10-307-080	CAP,M	0.1-50 J
C639	87-010-405-080	CAP, ELECT	10-50V
C641	87-010-401-080	CAP, ELECT	1-50V
C642	87-010-401-080	CAP, ELECT	1-50V
C643	87-010-196-080	CHIP CAPACITOR,	0.1-25
C644	87-010-401-080	CAP, ELECT	1-50V
C645	87-012-156-080	C-CAP,S	220P-50
C671	87-010-322-080	C-CAP,S	100P-50 CH
C672	87-010-322-080	C-CAP,S	100P-50 CH
C673	87-010-197-080	CAP, CHIP	0.01 DM
C679	87-010-196-080	CHIP CAPACITOR,	0.1-25
C680	87-010-197-080	CAP, CHIP	0.01 DM
C682	87-010-196-080	CHIP CAPACITOR,	0.1-25
C771	87-010-263-080	CAP, ELECT	100-10V
C772	87-010-197-080	CAP, CHIP	0.01 DM
C779	87-010-426-080	C-CAP,S	0.012-25 K B
C780	87-010-426-080	C-CAP,S	0.012-25 K B
C782	87-010-197-080	CAP, CHIP	0.01 DM
C783	87-010-197-080	CAP, CHIP	0.01 DM
C784	87-010-197-080	CAP, CHIP	0.01 DM
C785	87-010-197-080	CAP, CHIP	0.01 DM
C786	87-010-197-080	CAP, CHIP	0.01 DM
C788	87-010-149-080	C-CAP,S	5P-50 CH
C789	87-A10-592-080	C-CAP,S	0.015-50 J B
C790	87-A10-592-080	C-CAP,S	0.015-50 J B
C791	87-010-196-080	CHIP CAPACITOR,	0.1-25
C792	87-010-197-080	CAP, CHIP	0.01 DM
C793	87-010-404-080	CAP, ELECT	4.7-50V
C795	87-010-197-080	CAP, CHIP	0.01 DM
C796	87-010-197-080	CAP, CHIP	0.01 DM
C797	87-010-405-080	CAP, ELECT	10-50V
C798	87-010-197-080	CAP, CHIP	0.01 DM
C799	87-010-407-080	CAP, ELECT	33-50V
C800	87-012-369-080	C-CAP,S	0.047-50F
C801	87-010-403-080	CAP, ELECT	3.3-50V
C802	87-012-369-080	C-CAP,S	0.047-50F
C803	87-010-198-080	CAP, CHIP	0.022
C804	87-010-263-080	CAP, ELECT	100-10V
C807	87-010-400-080	CAP, ELECT	0.47-50V
C808	87-010-401-080	CAP, ELECT	1-50V
C809	87-010-401-080	CAP, ELECT	1-50V
C810	87-010-196-080	CHIP CAPACITOR,	0.1-25
C811	87-010-403-080	CAP, ELECT	3.3-50V
C812	87-010-403-080	CAP, ELECT	3.3-50V
C814	87-010-197-080	CAP, CHIP	0.01 DM
C815	87-010-400-080	CAP, ELECT	0.47-50V
C816	87-010-400-080	CAP, ELECT	0.47-50V
C821	87-010-405-080	CAP, ELECT	10-50V
C823	87-010-177-080	C-CAP,S	820P-50 SL
C824	87-010-404-080	CAP, ELECT	4.7-50V
C825	87-010-596-080	CAP, S	0.047-16
C842	87-010-197-080	CAP, CHIP	0.01 DM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C843	87-010-197-080	CAP, CHIP 0.01 DM	
C844	87-010-197-080	CAP, CHIP 0.01 DM	
C845	87-010-197-080	CAP, CHIP 0.01 DM	
C846	87-010-197-080	CAP, CHIP 0.01 DM	
C847	87-010-197-080	CAP, CHIP 0.01 DM	
C848	87-010-197-080	CAP, CHIP 0.01 DM	
C849	87-010-197-080	CAP, CHIP 0.01 DM	
C850	87-010-260-080	CAP, ELECT 47-25V	
C851	87-010-197-080	CAP, CHIP 0.01 DM	
C852	87-010-197-080	CAP, CHIP 0.01 DM	
C853	87-010-197-080	CAP, CHIP 0.01 DM	
C858	87-010-196-080	CHIP CAPACITOR,0.1-25	
C859	87-010-196-080	CHIP CAPACITOR,0.1-25	
C860	87-010-197-080	CAP, CHIP 0.01 DM	
C959	87-010-196-080	CHIP CAPACITOR,0.1-25	
C960	87-010-196-080	CHIP CAPACITOR,0.1-25	
C961	87-010-152-080	C-CAP,S 8P-50 CH	
C963	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	
C971	87-010-381-080	CAP, ELECT 330-16V	
C972	87-010-404-080	CAP, ELECT 4.7-50V	
C973	87-010-197-080	CAP, CHIP 0.01 DM	
C974	87-010-197-080	CAP, CHIP 0.01 DM	
C979	87-010-322-080	C-CAP,S 100P-50 CH	
C981	87-010-260-080	CAP, ELECT 47-25V	
C982	87-010-196-080	CHIP CAPACITOR,0.1-25	
C983	87-010-197-080	CAP, CHIP 0.01 DM	
C984	87-010-197-080	CAP, CHIP 0.01 DM	
C987	87-010-197-080	CAP, CHIP 0.01 DM	
C991	87-010-312-080	C-CAP,S 15P-50 CH	
C992	87-010-312-080	C-CAP,S 15P-50 CH	
C993	87-010-178-080	CHIP CAP 1000P	
C995	87-010-178-080	CHIP CAP 1000P	
C997	87-010-196-080	CHIP CAPACITOR,0.1-25	
C998	87-010-260-080	CAP, ELECT 47-25V	
C999	87-A11-155-080	CAP,TC U 0.01-16 Z F	
CF831	87-008-261-010	FILTER, SFE10.7MA5-A	
CF832	87-008-261-010	FILTER, SFE10.7MA5-A	
CN1	87-A60-996-010	CONN,13P V BLK TAC-L13X-A3	
CN91	87-A60-109-010	CONN,2P V S2M-2W	
CN101	87-A60-996-010	CONN,13P V BLK TAC-L13X-A3	
CN301	87-A60-620-010	CONN,3P V 2MM JMT	
CN351	87-A60-625-010	CONN,8P V 2MM JMT	
CN601	87-099-719-010	CONN,30P TYK-B(X)	
CN602	87-099-194-010	CONN,6P 6216V	
CNA1	8A-NF6-646-010	CONN ASSY,9P TID-A(460)	
CNA2	8A-NF6-640-010	CONN ASSY,3P (VM) ANF-6H	
CNA401	8A-NFG-651-010	CONN ASSY,10P ANF-G (BLUE)	
CNA402	8A-NFG-652-010	CONN ASSY,10P ANF-G (RED)	
FB161	87-008-474-080	F-BEAD,BL02RN1-R62T2 EMI	
FB162	87-008-474-080	F-BEAD,BL02RN1-R62T2 EMI	
FFC602	88-906-621-110	FF-CABLE,6P 1.25 620MM	
FFE831	A8-6ZA-191-130	6ZA-1 FEENM	
J102	87-A60-238-010	TERMINAL,SP 4P (MSC)	
J103	87-A60-929-010	JACK,DIA6.3 BLK ST W/S TAI	
J601	87-A60-885-010	JACK,PIN 6P R/W MSC	
J831	87-A60-202-010	TERMINAL,ANT 4P MSP-154V-02	
JW673	87-008-372-080	FLTR,EMI BL01 RN1	
L101	87-A50-610-010	COIL,1UH K(MDEC)	
L102	87-A50-610-010	COIL,1UH K(MDEC)	
L301	87-A50-625-010	COIL,TRAP 85K(SANWA)	
L302	87-A50-625-010	COIL,TRAP 85K(SANWA)	
L351	87-007-342-010	COIL,OSC 85K BIAS	
L801	87-A50-608-010	COIL,FM DETN(TOK)	
L802	87-A91-551-010	FLTR,PCFJZH-450 L(TOK)	
L811	87-005-847-080	COIL,2.2UH(CECS)	
L832	87-005-847-080	COIL,2.2UH(CECS)	
L951	8A-NF8-667-010	COIL,AM PACK 4(TOK)	
R161	87-A00-441-050	RES,270-1/2W J RP	
R162	87-A00-441-050	RES,270-1/2W J RP	
R163	87-A00-441-050	RES,270-1/2W J RP	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
R164	87-A00-441-050	RES,270-1/2W J RP	
R435	87-A00-373-050	RES,270-1W J VTP	
R436	87-A00-373-050	RES,270-1W J VTP	
R790	87-010-197-080	CAP, CHIP 0.01 DM	
R991	87-010-322-080	C-CAP,S 100P-50 CH	
R993	87-010-322-080	C-CAP,S 100P-50 CH	
R995	87-010-322-080	C-CAP,S 100P-50 CH	
SFR351	87-A90-433-080	SFR,50K H NVZ6TLTA	
SFR352	87-A90-433-080	SFR,50K H NVZ6TLTA	
WH1	87-A90-510-010	HLDR,WIRE 2.5-9P	
X991	87-A70-061-010	VIB,XTAL 4.500MHZ CSA-30	
FRONT C.B			
C101	87-010-197-080	CAP, CHIP 0.01 DM	
C102	87-010-322-080	C-CAP,S 100P-50 CH	
C103	87-010-312-080	C-CAP,S 15P-50 CH	
C104	87-012-157-080	C-CAP,S 330P-50 CH	
C105	87-010-415-040	CAP,E 10-50 5L	
C106	87-010-493-040	CAP,E 0.47-50 GAS	
C107	87-A10-189-040	CAP,E 220-10	
C108	87-A10-189-040	CAP,E 220-10	
C109	87-010-196-080	CHIP CAPACITOR,0.1-25	
C110	87-010-178-080	CHIP CAP 1000P	
C112	87-012-368-080	C-CAP,S 0.1-50 F	
C113	87-010-596-080	C-CAP,S 0.047-16 K R	
C114	87-010-196-080	CHIP CAPACITOR,0.1-25	
C115	87-010-196-080	CHIP CAPACITOR,0.1-25	
C116	87-010-196-080	CHIP CAPACITOR,0.1-25	
C118	87-012-145-080	CAP, CHIP S 270P CH	
C180	87-010-178-080	CHIP CAP 1000P	
C181	87-010-178-080	CHIP CAP 1000P	
C202	87-012-156-080	C-CAP,S 220P-50 CH	
C203	87-010-322-080	C-CAP,S 100P-50 CH	
C204	87-012-157-080	C-CAP,S 330P-50 CH	
C205	87-012-156-080	C-CAP,S 220P-50 CH	
C214	87-010-322-080	C-CAP,S 100P-50 CH	
C215	87-010-322-080	C-CAP,S 100P-50 CH	
C216	87-010-177-080	C-CAP,S 820P-50 SL	
C221	87-010-421-040	CAP,E 4.7-50 5L	
C222	87-010-421-040	CAP,E 4.7-50 5L	
C223	87-010-408-040	CAP,E 47-50 SME	
C224	87-012-369-080	C-CAP,S 0.047-50F	
C312	87-010-498-040	CAP,E 10-16 GAS	
C314	87-010-196-080	CHIP CAPACITOR,0.1-25	
C315	87-010-196-080	CHIP CAPACITOR,0.1-25	
C316	87-010-196-080	CHIP CAPACITOR,0.1-25	
C321	87-012-393-080	C-CAP,S 0.22-16 R K	
C382	87-010-320-080	CHIP CAP 68P	
C383	87-010-196-080	CHIP CAPACITOR,0.1-25	
C384	87-010-196-080	CHIP CAPACITOR,0.1-25	
C385	87-010-196-080	CHIP CAPACITOR,0.1-25	
C386	87-010-196-080	CHIP CAPACITOR,0.1-25	
C387	87-010-196-080	CHIP CAPACITOR,0.1-25	
C392	87-010-320-080	CHIP CAP 68P	
C401	87-010-196-080	CHIP CAPACITOR,0.1-25	
C402	87-010-196-080	CHIP CAPACITOR,0.1-25	
C403	87-010-322-080	C-CAP,S 100P-50 CH	
C404	87-010-322-080	C-CAP,S 100P-50 CH	
C405	87-010-322-080	C-CAP,S 100P-50 CH	
C406	87-010-322-080	C-CAP,S 100P-50 CH	
C407	87-010-322-080	C-CAP,S 100P-50 CH	
C408	87-010-322-080	C-CAP,S 100P-50 CH	
C461	87-010-196-080	CHIP CAPACITOR,0.1-25	
C462	87-010-196-080	CHIP CAPACITOR,0.1-25	
C463	87-010-196-080	CHIP CAPACITOR,0.1-25	
C464	87-010-196-080	CHIP CAPACITOR,0.1-25	
C465	87-010-196-080	CHIP CAPACITOR,0.1-25	
C652	87-010-183-080	C-CAP,S 2700P-50 B	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C653	87-010-213-080		C-CAP,S 0.015-50 B
C701	87-010-406-040		CAP,E 22-50 SME
CN101	87-099-720-010		CONN,30P TYK-B(P)
CN103	87-099-013-010		CONN,11P V BLK 6216
CN104	87-099-017-010		CONN, 15P 6216 V
CN301	87-099-195-010		CONN,7P 6216 V
CN602	87-099-209-010		CONN,4P 6216 H
CN901	87-A60-161-010		CONN,13P H FE
FFC103	8Z-NFD-647-010		FF-CABLE,11P-AC3
FFC104	88-915-111-110		FF-CABLE,15P 1.25
FFC301	88-907-421-110		FF-CABLE,7P 1.25 420MM
FFC901	88-913-521-110		FF-CABLE,13P 1.25 520MM
FL201	8A-NFG-601-010		FL,BJ789GNK 13G-35S ANF-16
L101	87-A50-333-010		COIL,OSC 9.43MHZ
LED401	87-017-756-040		LED,SLR-342DCT31 ORN
LED402	87-017-756-040		LED,SLR-342DCT31 ORN
LED403	87-017-756-040		LED,SLR-342DCT31 ORN
LED404	87-017-756-040		LED,SLR-342DCT31 ORN
LED405	87-017-756-040		LED,SLR-342DCT31 ORN
LED406	87-A40-496-040		LED,SLR-342MCT31 GRN
LED407	87-A40-496-040		LED,SLR-342MCT31 GRN
LED408	87-A40-496-040		LED,SLR-342MCT31 GRN
LED409	87-A40-496-040		LED,SLR-342MCT31 GRN
LED410	87-A40-496-040		LED,SLR-342MCT31 GRN
LED416	87-A40-809-080		LED,LTL-307KK PGRN
LED417	87-A40-809-080		LED,LTL-307KK PGRN
LED418	87-A40-809-080		LED,LTL-307KK PGRN
LED419	87-A40-809-080		LED,LTL-307KK PGRN
LED420	87-A40-809-080		LED,LTL-307KK PGRN
LED421	87-A40-809-080		LED,LTL-307KK PGRN
LED431	87-A40-678-010		LED,SELU1E10CXM BLUE-DEF
LED432	87-A40-678-010		LED,SELU1E10CXM BLUE-DEF
LED433	87-A40-678-010		LED,SELU1E10CXM BLUE-DEF
LED440	87-A91-665-010		LED,SELU1E10 CXM-SLF55 BLUE
LED441	87-A91-665-010		LED,SELU1E10 CXM-SLF55 BLUE
LED499	87-A40-317-080		LED,SLR-342VCT31 RED
S101	87-A91-591-010		SW,RTRY RE0121PVB25FINA24
S102	87-A91-664-010		SW,RTRY RE0121PVB30F
S301	87-A91-024-180		SW,TACT KSH0611BT
S302	87-A91-024-180		SW,TACT KSH0611BT
S303	87-A91-024-180		SW,TACT KSH0611BT
S304	87-A91-024-180		SW,TACT KSH0611BT
S305	87-A91-024-180		SW,TACT KSH0611BT
S306	87-A91-024-180		SW,TACT KSH0611BT
S310	87-A91-024-180		SW,TACT KSH0611BT
S311	87-A91-024-180		SW,TACT KSH0611BT
S312	87-A91-024-180		SW,TACT KSH0611BT
S313	87-A91-024-180		SW,TACT KSH0611BT
S321	87-A91-024-180		SW,TACT KSH0611BT
S322	87-A91-024-180		SW,TACT KSH0611BT
S323	87-A91-024-180		SW,TACT KSH0611BT
S324	87-A91-024-180		SW,TACT KSH0611BT
S325	87-A91-024-180		SW,TACT KSH0611BT
S326	87-A91-024-180		SW,TACT KSH0611BT
S327	87-A91-024-180		SW,TACT KSH0611BT
S328	87-A91-024-180		SW,TACT KSH0611BT
S329	87-A91-024-180		SW,TACT KSH0611BT
S333	87-A91-024-180		SW,TACT KSH0611BT
S334	87-A91-024-180		SW,TACT KSH0611BT
S341	87-A91-024-180		SW,TACT KSH0611BT
S342	87-A91-024-180		SW,TACT KSH0611BT
S343	87-A91-024-180		SW,TACT KSH0611BT
S344	87-A91-024-180		SW,TACT KSH0611BT
S345	87-A91-024-180		SW,TACT KSH0611BT
S346	87-A91-024-180		SW,TACT KSH0611BT
S347	87-A91-024-180		SW,TACT KSH0611BT

CD KEY C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
CN302	87-099-195-010		CONN,7P 6216 V
LED451	87-017-756-040		LED,SLR-342DCT31 ORN
LED452	87-017-756-040		LED,SLR-342DCT31 ORN
LED453	87-017-756-040		LED,SLR-342DCT31 ORN
LED454	87-A40-496-040		LED,SLR-342MCT31 GRN
LED455	87-A40-496-040		LED,SLR-342MCT31 GRN
LED456	87-A40-496-040		LED,SLR-342MCT31 GRN
S349	87-A91-024-180		SW,TACT KSH0611BT
S350	87-A91-024-180		SW,TACT KSH0611BT
S351	87-A91-024-180		SW,TACT KSH0611BT
S352	87-A91-024-180		SW,TACT KSH0611BT
S353	87-A91-024-180		SW,TACT KSH0611BT
S354	87-A91-024-180		SW,TACT KSH0611BT
S355	87-A91-024-180		SW,TACT KSH0611BT
MIC C.B			
C601	87-010-186-080		CAP,CHIP 4700P
C602	87-010-405-040		CAP,E 10-50
C603	87-010-320-080		CHIP CAP 68P
C604	87-010-546-040		CAP,E 0.33-50
C605	87-012-368-080		C-CAP,S 0.1-50 ZF
C606	87-010-112-040		CAP,E 100-16
C607	87-010-196-080		CHIP CAPACITOR,0.1-25
C608	87-010-178-080		CHIP CAP 1000P
C621	87-010-178-080		CHIP CAP 1000P
CN601	87-099-211-010		CONN,4P BLK 6216
FB601	87-008-372-080		FILTER, EMI BL OIRNI
FFC601	88-904-281-110		FF-CABLE, 4P 1.25 280MM
J601	87-A61-242-010		JACK,6.3 BLK MONO W/SW V KM
J602	87-A61-242-010		JACK,6.3 BLK MONO W/SW V KM
AC3 C.B			
C101	87-010-196-080		CHIP CAPACITOR,0.1-25
C102	87-010-374-080		CAP, ELECT 47-10V
C103	87-010-314-080		C-CAP,S 22P-50V
C104	87-010-313-080		CAP, CHIP 18P
C105	87-010-196-080		CHIP CAPACITOR,0.1-25
C106	87-010-197-080		CAP, CHIP 0.01 DM
C107	87-010-196-080		CHIP CAPACITOR,0.1-25
C108	87-010-196-080		CHIP CAPACITOR,0.1-25
C109	87-010-196-080		CHIP CAPACITOR,0.1-25
C110	87-010-196-080		CHIP CAPACITOR,0.1-25
C111	87-010-196-080		CHIP CAPACITOR,0.1-25
C112	87-010-404-080		CAP, ELECT 4.7-50V
C113	87-010-196-080		CHIP CAPACITOR,0.1-25
C114	87-010-196-080		CHIP CAPACITOR,0.1-25
C115	87-010-374-080		CAP, ELECT 47-10V
C116	87-012-140-080		CAP 470P
C117	87-010-198-080		CAP, CHIP 0.022
C118	87-010-401-080		CAP, ELECT 1-50V
C119	87-010-196-080		CHIP CAPACITOR,0.1-25
C120	87-010-196-080		CHIP CAPACITOR,0.1-25
C121	87-010-401-080		CAP, ELECT 1-50V
C122	87-010-311-080		CAP 12P
C123	87-010-311-080		CAP 12P
C124	87-010-263-080		CAP, ELECT 100-10V
C125	87-010-196-080		CHIP CAPACITOR,0.1-25
C126	87-010-196-080		CHIP CAPACITOR,0.1-25
C127	87-010-555-040		CAP,E 100-10 GAS
C128	87-010-196-080		CHIP CAPACITOR,0.1-25
C129	87-010-384-080		CAP, ELECT 100-25V
C131	87-010-263-080		CAP, ELECT 100-10V
C132	87-010-401-080		CAP, ELECT 1-50V
C135	87-010-405-080		CAP, ELECT 10-50V
C136	87-010-405-080		CAP, ELECT 10-50V
C140	87-010-552-040		CAP,E 22-16 GAS
C141	87-010-196-080		CHIP CAPACITOR,0.1-25
C143	87-010-196-080		CHIP CAPACITOR,0.1-25

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C144	87-010-312-080		C-CAP,S 15P-50 CH	C218	87-A10-793-080		C-CAP,S 0.12-16 K B
C145	87-012-154-080		C-CAP,S 150P-50 CH	C219	87-010-993-080		C-CAP,S 0.056-25 B
C146	87-012-154-080		C-CAP,S 150P-50 CH	C220	87-A10-369-080		C-CAP,S 0.47-16 K B
C147	87-010-405-080		CAP, ELECT 10-50V	C222	87-010-196-080		CHIP CAPACITOR,0.1-25
C148	87-010-196-080		CHIP CAPACITOR,0.1-25	C224	87-010-196-080		CHIP CAPACITOR,0.1-25
C149	87-010-196-080		CHIP CAPACITOR,0.1-25	C225	87-012-155-080		C-CAP 180P-50CH
C150	87-010-405-080		CAP, ELECT 10-50V	C226	87-012-155-080		C-CAP 180P-50CH
C151	87-010-405-080		CAP, ELECT 10-50V	C227	87-010-405-080		CAP, ELECT 10-50V
C152	87-010-405-080		CAP, ELECT 10-50V	C228	87-010-405-080		CAP, ELECT 10-50V
C153	87-010-178-080		CHIP CAP 1000P	C230	87-010-196-080		CHIP CAPACITOR,0.1-25
C154	87-010-178-080		CHIP CAP 1000P	C232	87-010-196-080		CHIP CAPACITOR,0.1-25
C155	87-A10-369-080		C-CAP,S 0.47-16 K B	C236	87-010-196-080		CHIP CAPACITOR,0.1-25
C157	87-012-154-080		C-CAP,S 150P-50 CH	C237	87-010-196-080		CHIP CAPACITOR,0.1-25
C158	87-012-154-080		C-CAP,S 150P-50 CH	C238	87-010-314-080		C-CAP,S 22P-50V
C159	87-010-178-080		CHIP CAP 1000P	C239	87-010-196-080		CHIP CAPACITOR,0.1-25
C160	87-010-178-080		CHIP CAP 1000P	C240	87-010-314-080		C-CAP,S 22P-50V
C161	87-010-405-080		CAP, ELECT 10-50V	C241	87-010-405-080		CAP, ELECT 10-50V
C162	87-010-405-080		CAP, ELECT 10-50V	C242	87-010-196-080		CHIP CAPACITOR,0.1-25
C163	87-010-196-080		CHIP CAPACITOR,0.1-25	C243	87-010-322-080		C-CAP,S 100P-50 CH
C164	87-010-196-080		CHIP CAPACITOR,0.1-25	C260	87-010-378-080		CAP, ELECT 10-16V
C165	87-A10-369-080		C-CAP,S 0.47-16 K B	C261	87-010-196-080		CHIP CAPACITOR,0.1-25
C166	87-010-405-080		CAP, ELECT 10-50V	C270	87-012-155-080		C-CAP 180P-50CH
C167	87-010-405-080		CAP, ELECT 10-50V	C301	87-012-393-080		C-CAP,S 0.22-16 R K
C169	87-012-154-080		C-CAP,S 150P-50 CH	C302	87-012-393-080		C-CAP,S 0.22-16 R K
C170	87-012-154-080		C-CAP,S 150P-50 CH	C303	87-010-196-080		CHIP CAPACITOR,0.1-25
C171	87-010-178-080		CHIP CAP 1000P	C304	87-012-393-080		C-CAP,S 0.22-16 R K
C172	87-010-178-080		CHIP CAP 1000P	C305	87-010-184-080		CHIP CAPACITOR 3300P(K)
C173	87-018-209-080		CAP, CER 0.1-50V	C306	87-010-179-080		C-CAP,S 1200P-50 B
C174	87-010-196-080		CHIP CAPACITOR,0.1-25	C307	87-016-669-080		C-CAP,S 0.1-25 K B
C175	87-010-196-080		CHIP CAPACITOR,0.1-25	C308	87-016-669-080		C-CAP,S 0.1-25 K B
C177	87-A10-369-080		C-CAP,S 0.47-16 K B	C309	87-010-184-080		CHIP CAPACITOR 3300P(K)
C178	87-010-196-080		CHIP CAPACITOR,0.1-25	C310	87-010-179-080		C-CAP,S 1200P-50 B
C179	87-010-196-080		CHIP CAPACITOR,0.1-25	C311	87-012-393-080		C-CAP,S 0.22-16 R K
C180	87-010-405-080		CAP, ELECT 10-50V	C312	87-010-374-080		CAP, ELECT 47-10V
C181	87-010-405-080		CAP, ELECT 10-50V	C313	87-010-196-080		CHIP CAPACITOR,0.1-25
C182	87-010-405-080		CAP, ELECT 10-50V	C315	87-010-374-080		CAP, ELECT 47-10V
C183	87-010-196-080		CHIP CAPACITOR,0.1-25	C316	87-010-374-080		CAP, ELECT 47-10V
C184	87-010-196-080		CHIP CAPACITOR,0.1-25	C317	87-010-183-080		C-CAP,S 2700P-50 B
C185	87-010-405-080		CAP, ELECT 10-50V	C318	87-010-183-080		C-CAP,S 2700P-50 B
C186	87-010-405-080		CAP, ELECT 10-50V	C319	87-010-545-080		CAP, ELECT 0.22-50V
C187	87-010-196-080		CHIP CAPACITOR,0.1-25	C320	87-010-196-080		CHIP CAPACITOR,0.1-25
C188	87-010-196-080		CHIP CAPACITOR,0.1-25	C321	87-010-263-080		CAP, ELECT 100-10V
C189	87-010-196-080		CHIP CAPACITOR,0.1-25	C401	87-010-196-080		CHIP CAPACITOR,0.1-25
C190	87-010-405-080		CAP, ELECT 10-50V	C402	87-010-404-080		CAP, ELECT 4.7-50V
C191	87-010-196-080		CHIP CAPACITOR,0.1-25	C403	87-010-401-080		CAP, ELECT 1-50V
C192	87-010-196-080		CHIP CAPACITOR,0.1-25	C405	87-018-147-080		CAP,TC-U 10P-50 CH
C193	87-010-154-080		CAP CHIP 10P	C502	87-010-322-080		C-CAP,S 100P-50 CH
C194	87-010-154-080		CAP CHIP 10P	C506	87-010-322-080		C-CAP,S 100P-50 CH
C195	87-010-405-080		CAP, ELECT 10-50V	C508	87-018-119-080		CAP, CER 100P-50V
C196	87-010-196-080		CHIP CAPACITOR,0.1-25	C509	87-010-196-080		C-CAP,S 0.1-25 ZF
C197	87-010-405-080		CAP, ELECT 10-50V	C511	87-018-113-080		CAP, CER 33P-50V
C198	87-010-196-080		CHIP CAPACITOR,0.1-25	C512	87-A11-132-080		CAP,TC U 0.01-50 K B
C199	87-A10-369-080		C-CAP,S 0.47-16 K B	CN101	87-A60-057-010		CONN,11P V 9604S-11C
C201	87-010-154-080		CAP CHIP 10P	CN102	8Z-NFD-648-010		CONN,ASSY 10P
C202	87-010-154-080		CAP CHIP 10P	CN105	8Z-NFD-645-010		CONN,ASSY 10P
C203	87-010-196-080		CHIP CAPACITOR,0.1-25	CNA101	8A-NFG-650-010		CONN,ASSY 6P ANFG
C204	87-010-196-080		CHIP CAPACITOR,0.1-25	FB102	87-008-372-080		FILTER, EMI BL OIRNI
C205	87-A10-369-080		C-CAP,S 0.47-16 K B	FB103	87-008-372-080		FILTER, EMI BL OIRNI
C206	87-010-401-080		CAP, ELECT 1-50V	FB104	87-008-372-080		FILTER, EMI BL OIRNI
C207	87-010-405-080		CAP, ELECT 10-50V	FB105	87-008-372-080		FILTER, EMI BL OIRNI
C208	87-010-405-080		CAP, ELECT 10-50V	FB106	87-008-372-080		FILTER, EMI BL OIRNI
C209	87-010-154-080		CAP CHIP 10P	FB107	87-008-474-080		F-BEAD,EMI BL02RN1
C210	87-010-154-080		CAP CHIP 10P	FB108	87-008-474-080		F-BEAD,EMI BL02RN1
C211	87-010-196-080		CHIP CAPACITOR,0.1-25	FB109	87-008-474-080		F-BEAD,EMI BL02RN1
C212	87-010-196-080		CHIP CAPACITOR,0.1-25	FB112	87-003-223-080		FERRITE BEAD BL02RN2
C213	87-A10-369-080		C-CAP,S 0.47-16 K B	L102	87-A50-095-010		COIL,68UH RCR875D
C214	87-010-405-080		CAP, ELECT 10-50V	L104	87-008-501-080		FLTR,DSS306-B101
C215	87-010-400-080		CAP, ELECT 0.47-50V	L106	87-003-097-080		COIL,1UH
C216	87-010-402-080		CAP, ELECT 2.2-50V	X101	87-A70-116-010		VIB,XTAL 10.00MHZ
C217	87-A10-793-080		C-CAP,S 0.12-16 K B	X102	87-A70-115-010		VIB,XTAL 12.288MHZ

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
AMP 1F C.B				C114	87-010-405-080		CAP,E 10-50V
C101	87-010-181-080		C-CAP,S 1800P-50 K B	C115	87-010-405-080		CAP,E 10-50V
C102	87-010-181-080		C-CAP,S 1800P-50 K B	C116	87-010-405-080		CAP,E 10-50V
C103	87-010-545-080		CAP, ELECT 0.22-50V	C121	87-010-197-080		C-CAP,S 0.01-25 KB
C104	87-010-545-080		CAP, ELECT 0.22-50V	C122	87-010-197-080		C-CAP,S 0.01-25 KB
C107	87-010-405-080		CAP, ELECT 10-50V				
C108	87-010-405-080		CAP, ELECT 10-50V	C151	87-012-368-080		C-CAP,S 0.1-50 ZF
C111	87-010-179-080		C-CAP,S 1200P-50 K B	C152	87-012-368-080		C-CAP,S 0.1-50 ZF
C112	87-010-179-080		C-CAP,S 1200P-50 K B	C153	87-012-368-080		C-CAP,S 0.1-50 ZF
C113	87-010-405-080		CAP, ELECT 10-50V	C154	87-012-368-080		C-CAP,S 0.1-50 ZF
C114	87-010-405-080		CAP, ELECT 10-50V	C155	87-010-190-080		S CHIP F 0.01
C115	87-010-866-080		CAP, ELECT 10-63 M VX	C156	87-010-190-080		S CHIP F 0.01
C116	87-010-866-080		CAP, ELECT 10-63 M VX	C160	87-010-190-080		S CHIP F 0.01
C119	87-010-197-080		CAP, CHIP 0.01 DM	C161	87-010-188-080		CAP,CHIP 6800P
C120	87-010-197-080		CAP, CHIP 0.01 DM	C201	87-010-181-080		CHIP CAP 1800P
C133	87-010-190-080		C-CAP,S 0.01-50 ZF	C202	87-010-400-080		CAP,E 0.47-50
C153	87-010-188-080		C-CAP,S 6800P-50 B	C203	87-010-322-080		C-CAP,S 100P-50 CH
C201	87-A10-300-080		CAP,M 0.027-50 J	C204	87-010-405-080		CAP,E 10-50
C202	87-A10-300-080		CAP,M 0.027-50 J	C205	87-010-260-080		CAP, ELECT 47-25V
C203	87-A10-300-080		CAP,M 0.027-50 J	C206	87-A10-946-080		C-CAP,S 220P-100 CH
C204	87-A10-300-080		CAP,M 0.027-50 J	C208	87-010-197-080		CAP, CHIP 0.01 DM
C205	87-010-180-080		C-CER 1500P-50 KB	C209	87-010-260-080		CAP, ELECT 47-25V
C206	87-010-180-080		C-CER 1500P-50 KB	C210	87-010-260-080		CAP, ELECT 47-25V
C207	87-010-401-080		CAP, ELECT 1-50V	C211	87-010-178-080		C-CAP,S 1000P-50 K B
C208	87-010-401-080		CAP, ELECT 1-50V	C212	87-010-178-080		C-CAP,S 1000P-50 K B
C209	87-010-189-080		C-CAP,S 8200P-50 KB	C251	87-012-368-080		C-CAP,S 0.1-50 F
C210	87-010-189-080		C-CAP,S 8200P-50 KB	C252	87-012-368-080		C-CAP,S 0.1-50 F
C211	87-010-403-080		CAP, ELECT 3.3-50V	CN101	87-A61-109-010		CONN,7P V TID-A
C212	87-010-403-080		CAP, ELECT 3.3-50V	CN102	87-099-198-010		CONN,10P V BLK
C215	87-010-179-080		C-CAP,S 1200P-50 K B	J101	87-A61-485-010		JACK,PIN 4P RWBO TC58 118-14
C216	87-010-179-080		C-CAP,S 1200P-50 K B	L151	87-A50-610-010		COIL,1UH-K (MDEC)
C217	87-010-405-080		CAP, ELECT 10-50V	L152	87-A50-610-010		COIL,1UH-K (MDEC)
C218	87-010-405-080		CAP, ELECT 10-50V	L251	87-A50-610-010		COIL,1UH-K (MDEC)
C221	87-010-405-080		CAP, ELECT 10-50V	R131	87-A00-258-080		RES,M/F 0.22-1W J
C222	87-010-405-080		CAP, ELECT 10-50V	R132	87-A00-258-080		RES,M/F 0.22-1W J
C223	87-010-197-080		CAP, CHIP 0.01 DM	R218	87-A00-258-080		RES,M/F 0.22-1W J
C224	87-010-197-080		CAP, CHIP 0.01 DM	TH201	87-A91-042-080		C-THMS,100K 55001
C251	87-012-368-080		C-CAP,S 0.1-50 F				
C252	87-012-368-080		C-CAP,S 0.1-50 F	PT C.B			
C253	87-010-196-080		CHIP CAPACITOR,0.1-25	C1	87-010-387-080		CAP,E 470-25 SME
C254	87-010-196-080		CHIP CAPACITOR,0.1-25	C4	87-A11-148-080		CAP,TC U 0.1-50 Z F
C401	87-010-260-080		CAP, ELECT 47-25V	C5	87-A11-148-080		CAP,TC U 0.1-50 Z F
CN101	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3	C6	87-010-917-000		CAP,E 3300-50 M SMG
CN102	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3	C7	87-010-917-000		CAP,E 3300-50 M SMG
CN105	87-099-198-010		CONN,10P V BLK 6216	C8	87-A11-148-080		CAP,TC U 0.1-50 Z F
CNA101	8A-NF6-645-010		CONN ASSY,5P TID-A(530)	C9	87-A11-148-080		CAP,TC U 0.1-50 Z F
CNA103	8A-NF8-655-010		CONN ASSY,7P TID-A(250)	C10	87-A11-148-080		CAP,TC U 0.1-50 Z F
FFC105	88-910-151-110		FF-CABLE, 10P 1.25	C11	87-A11-148-080		CAP,TC U 0.1-50 Z F
J202	87-A61-158-010		JACK,PIN 2P R/W/BL H (SEPA) KM	C12	87-016-520-000		CAP,E 3300-65 M SMG
L251	87-A50-610-010		COIL,1UH-K (MDEC)	C13	87-016-520-000		CAP,E 3300-65 M SMG
L252	87-A50-610-010		COIL,1UH-K (MDEC)	C16	87-010-403-080		CAP, ELECT 3.3-50V
R129	87-A00-262-080		RES,M/F 0.15-2W J	CN1	87-A61-110-010		CONN,9P V TID-A
R130	87-A00-262-080		RES,M/F 0.15-2W J	CN2	87-A61-108-010		CONN,5P V TID-A
R231	87-A00-258-080		RES,M/F 0.22-1W J	PT2	8A-NF8-661-010		PT,SUB ANF-8 (U)
R232	87-A00-258-080		RES,M/F 0.22-1W J	PT101	8A-NFG-621-010		PT,U EI96-75 ANF-G
WH101	87-A90-459-010		HLDR,WIRE 2.5-5P	RY2	87-A90-976-010		RELAY,AC12V SDT-S-112LMR
WH102	87-A90-460-010		HLDR,WIRE 2.5-7P	T1	87-A60-317-010		TERMINAL, 1P MSC
				T2	87-A60-317-010		TERMINAL, 1P MSC
AMP PROLOGIC C.B				VM C.B			
C101	87-010-181-080		C-CAP,S 1800P-50 KB	DOLBY DIGITAL C.B			
C102	87-010-181-080		C-CAP,S 1800P-50 KB	C202	87-010-196-080		C-CAP,S 0.1-25 ZF
C103	87-010-400-080		CAP,E 0.47-50V	C203	87-010-196-080		C-CAP,S 0.1-25 ZF
C104	87-010-400-080		CAP,E 0.47-50V	C205	87-010-314-080		C-CAP,S 22P-50 CH
C107	87-010-404-080		CAP,E 4.7-50V	C206	87-010-182-080		C-CAP,S 2200P-50 KB
C108	87-010-404-080		CAP,E 4.7-50V	CN201	87-A60-623-010		CONN,6P V 2MM JMT
C111	87-010-179-080		C-CAP,S 1200P-50 KB	L201	87-005-274-080		COIL,68 UH K LAL03
C112	87-010-179-080		C-CAP,S 1200P-50 KB				
C113	87-010-405-080		CAP,E 10-50V				

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L202	87-008-501-080		FLTR,DSS306-55
J201	87-A60-573-010		JACK,PIN 1P ORN
JW201	87-A11-152-080		CAP, TC U 1000P-50 ZF

DECK C.B

CON501	87-099-756-019	CONN,15P 9604S F
SFR1	87-024-581-010	SFR,3.3K DIA 6H
SOL1	82-ZM1-618-410	SOL ASSY,27
SOL2	82-ZM1-618-410	SOL ASSY,27
SW1	87-A90-248-010	SW,MICRO ESE11SH2CXQ
SW2	87-A90-248-010	SW,MICRO ESE11SH2CXQ
SW3	87-A90-248-010	SW,MICRO ESE11SH2CXQ
SW4	87-036-110-010	SW,MICRO SPPB62
SW5	87-036-110-010	SW,MICRO SPPB62
SW6	87-036-110-010	SW,MICRO SPPB62
SW8	87-A90-248-010	SW,MICRO ESE11SH2CXQ
SW9	87-A90-248-010	SW,MICRO ESE11SH2CXQ
W1	82-ZM3-601-010	RBN-CORD,4P-75

HEAD-1 C.B

CON301	87-NF6-615-010	CONN ASSY,3P PB
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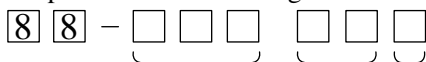
HEAD-2 C.B

CON351	87-NF6-616-010	CONN ASSY,8P RPB
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○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

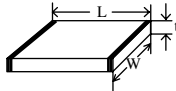
Chip Resistor Part Coding



A
抵抗部品コード
Resistor Code

桁表示
Figure
抵抗値
Value of resistor

チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B

CD1585BC
KTA1266GR
KTC3198GR



E C B

2SA1918Y
CC5551



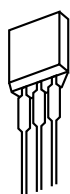
E C B

CSC4115BC



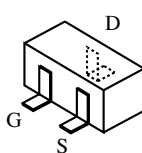
B C E

2SB1370
2SB1342
2SD1933

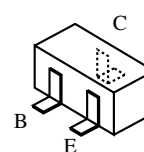


E C B

2SA933S



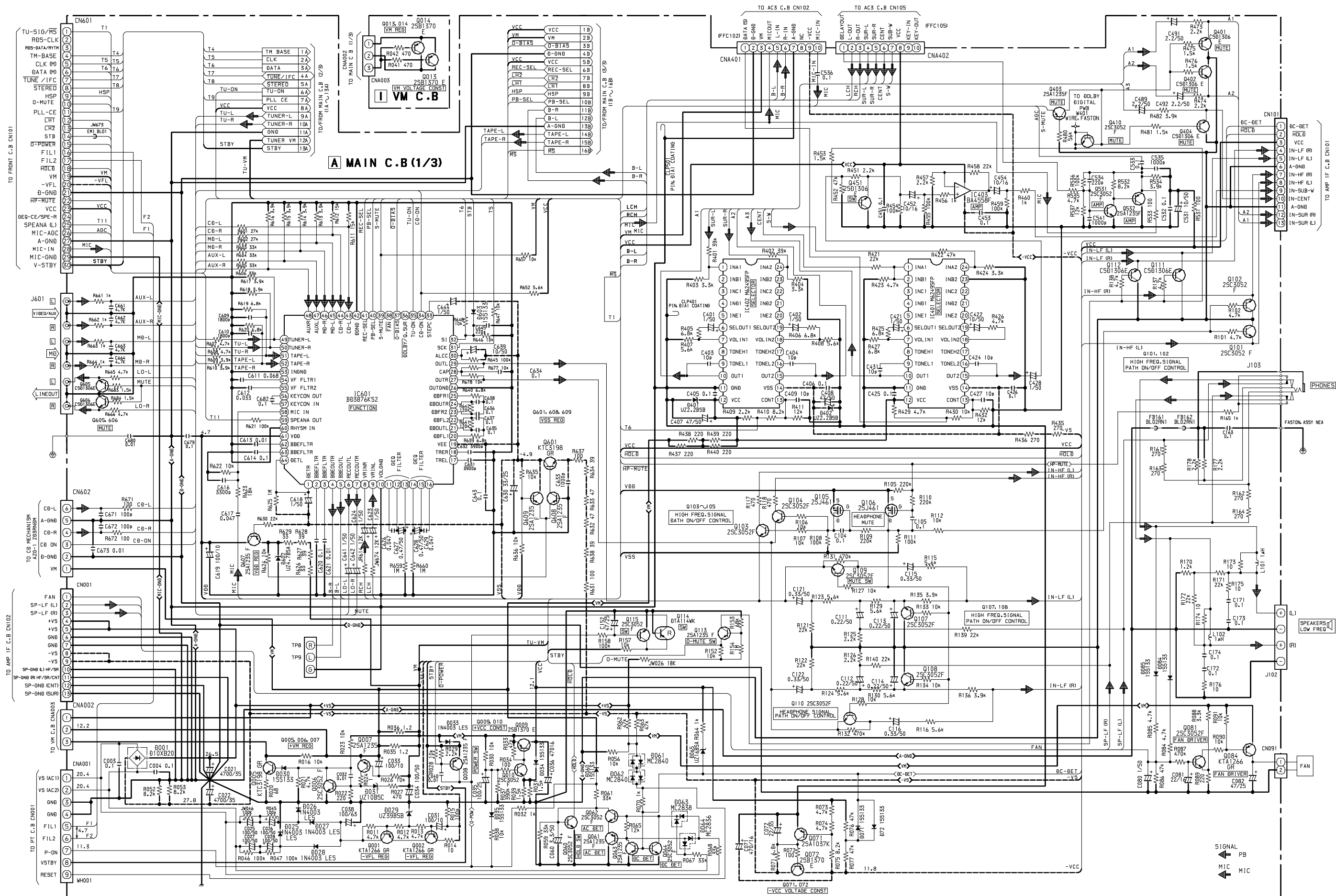
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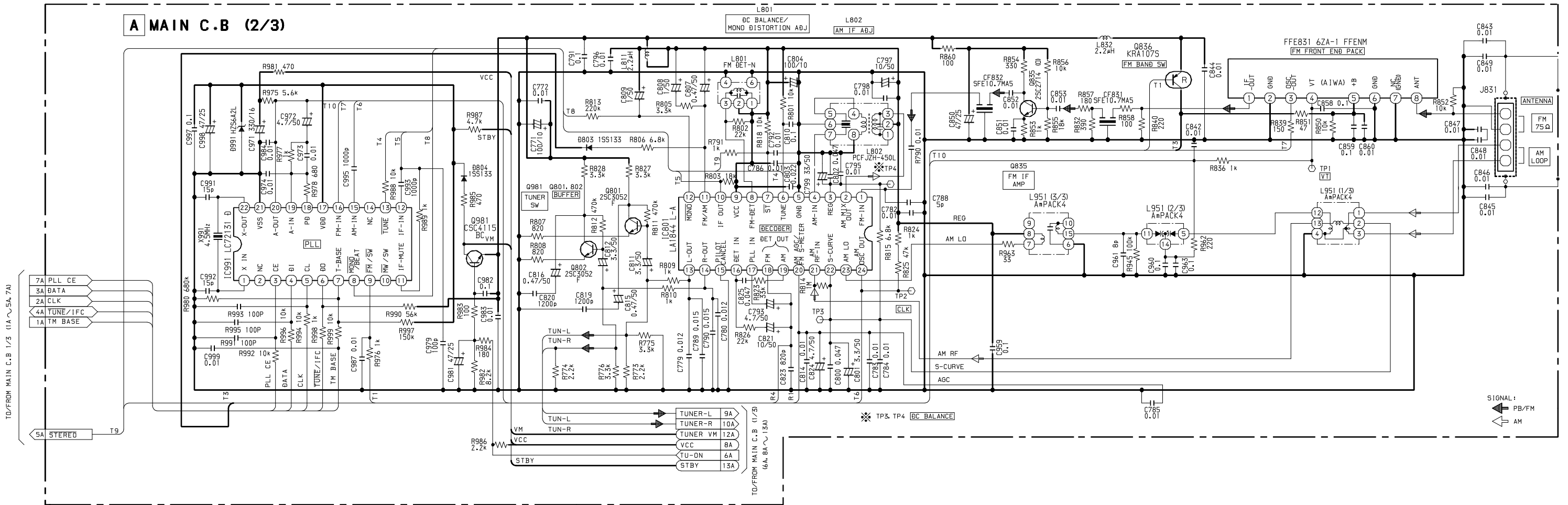
2SA1037K	DTA114WK
2SA1235F	DTC123JK
2SC2714O	KRA104S
2SC3052F	KRC102S-RTK
2SD1306E	KRA107S
CMBT5401	RT1N144C
CMBT5551	RT1P141C
CSD1306E	



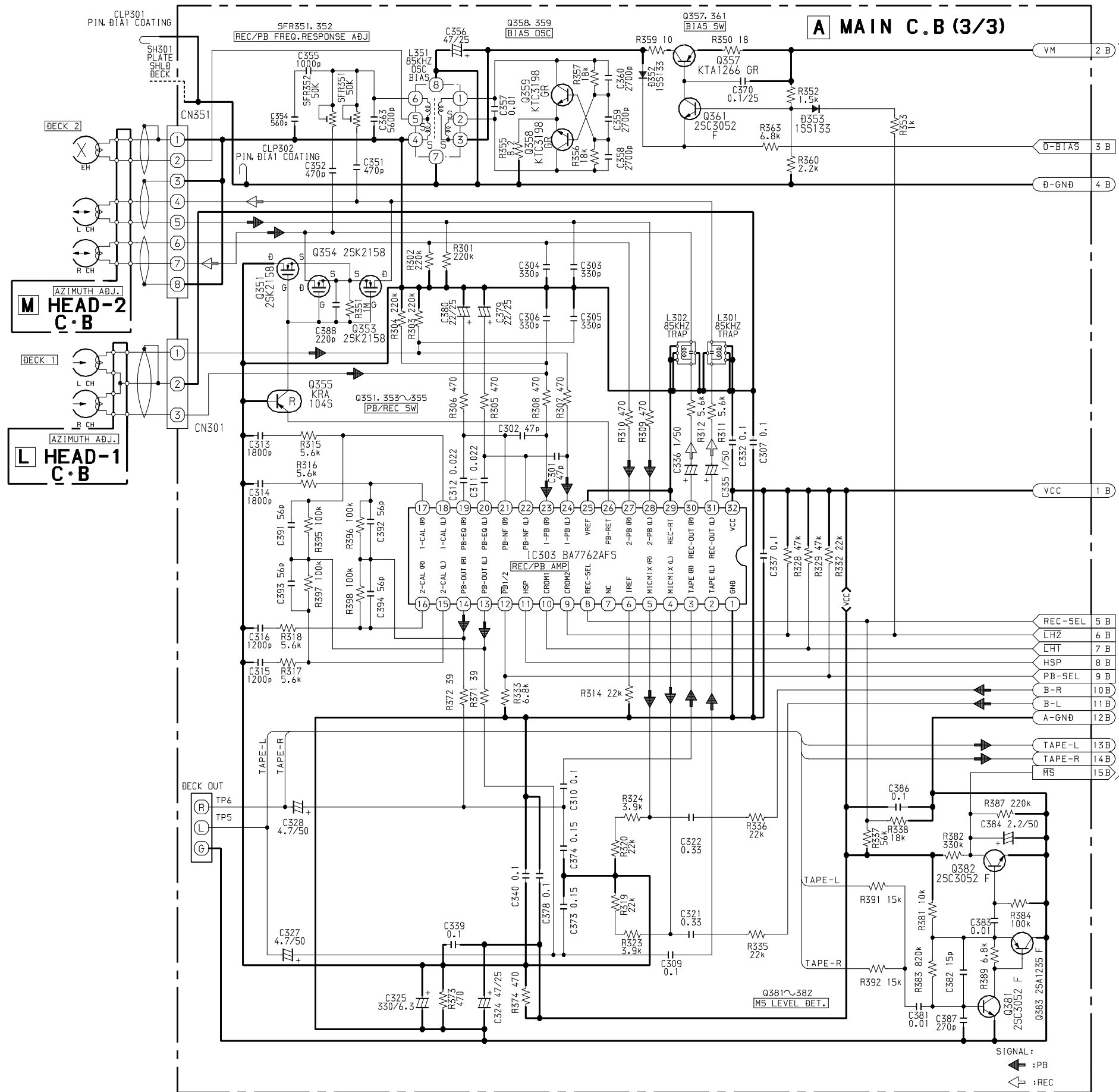
SCHEMATIC DIAGRAM – 1 (MAIN 1/3 / VM)

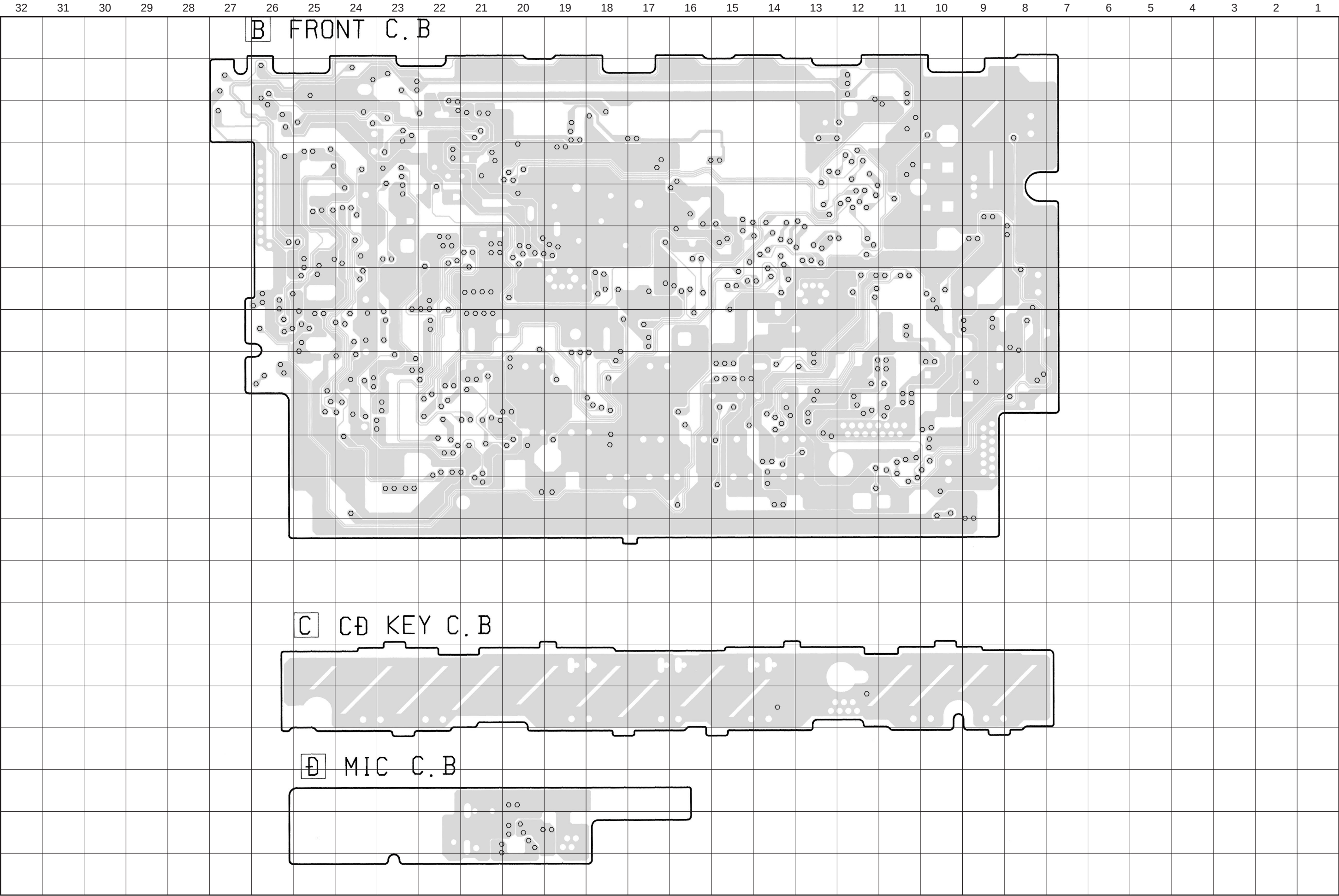


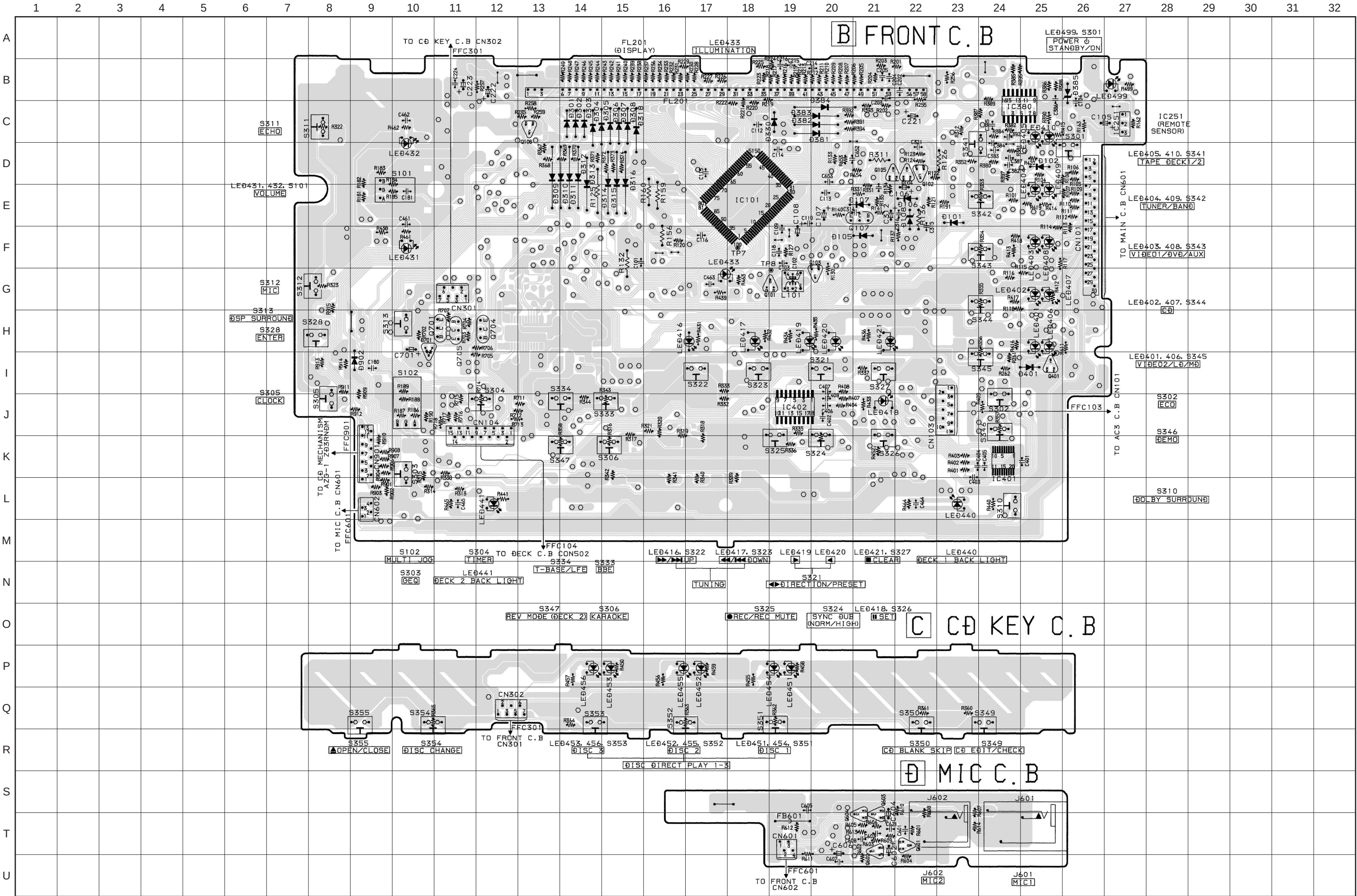
SCHEMATIC DIAGRAM – 2 (MAIN 2/3)



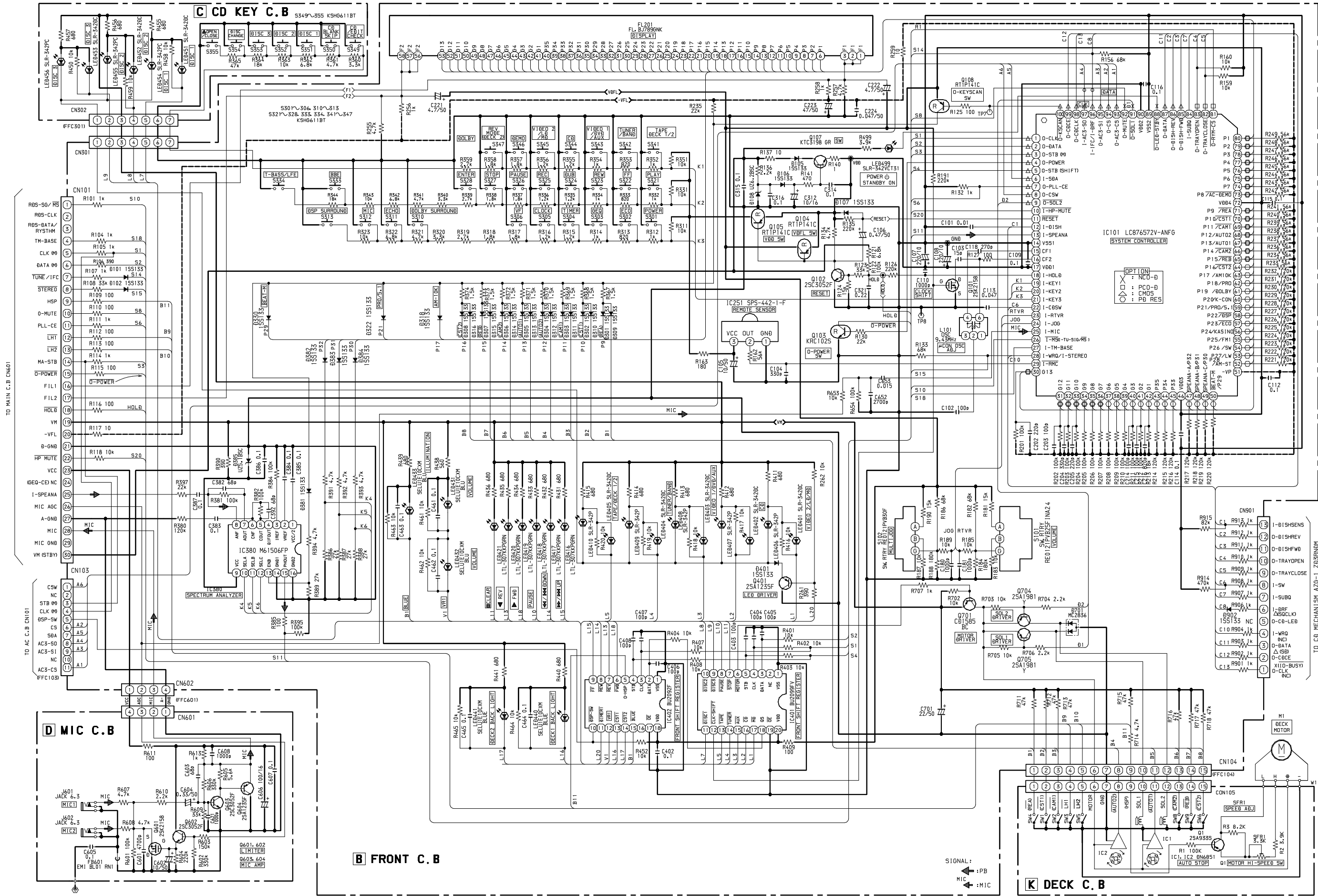
SCHEMATIC DIAGRAM – 3 (MAIN 3/3 / HEAD-1 / HEAD-2)

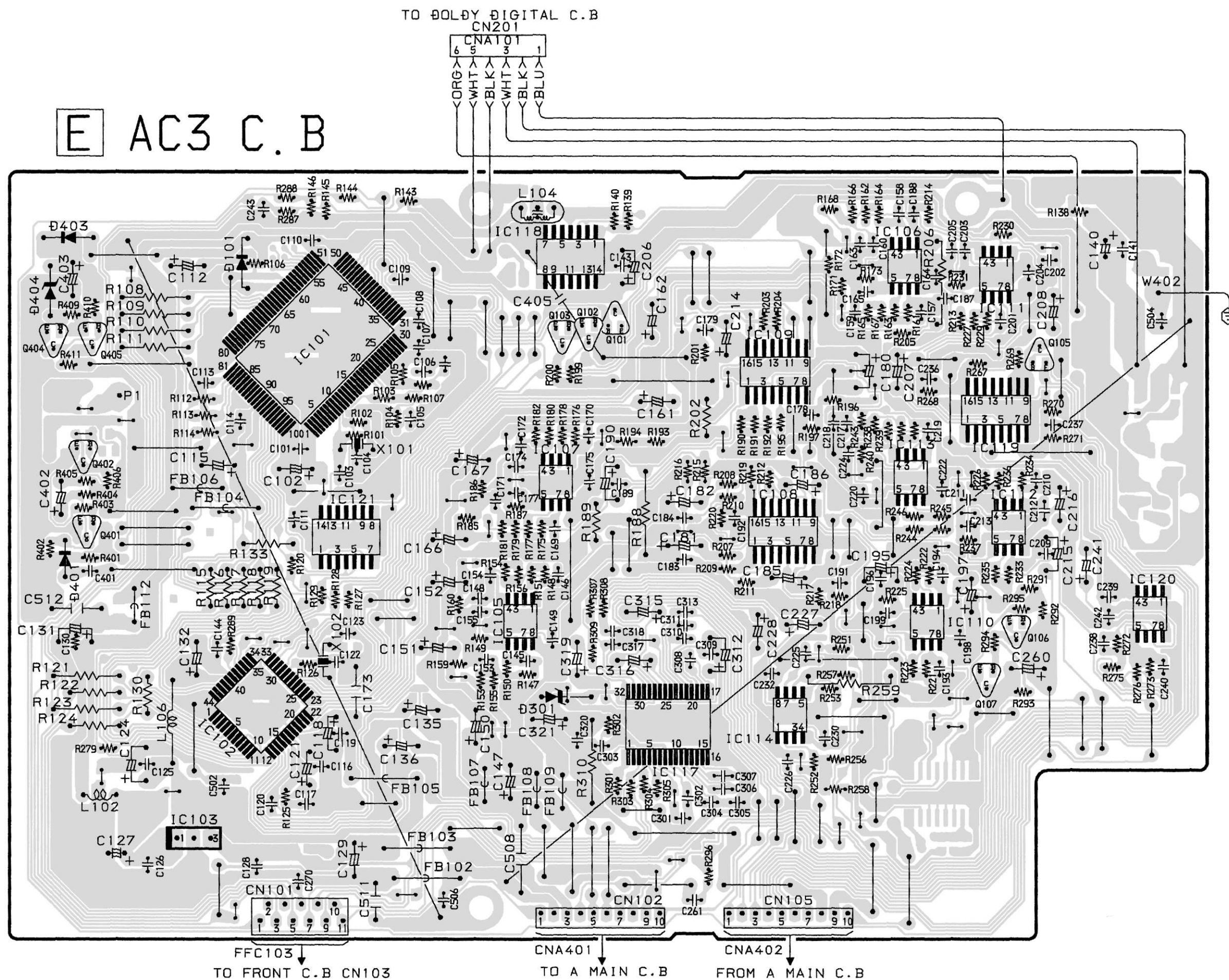




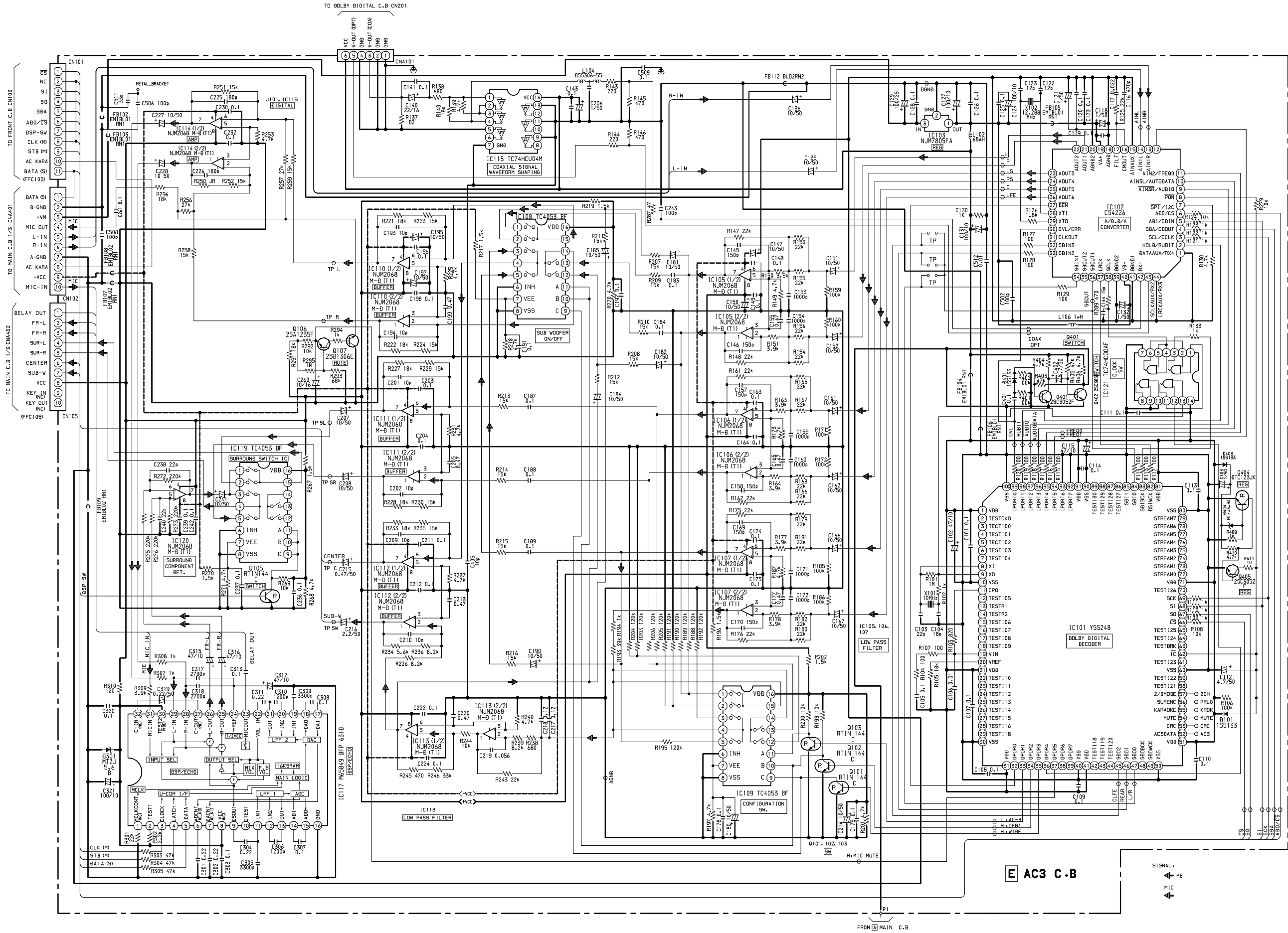


SCHEMATIC DIAGRAM – 4 (FRONT / CD KEY / MIC / DECK)

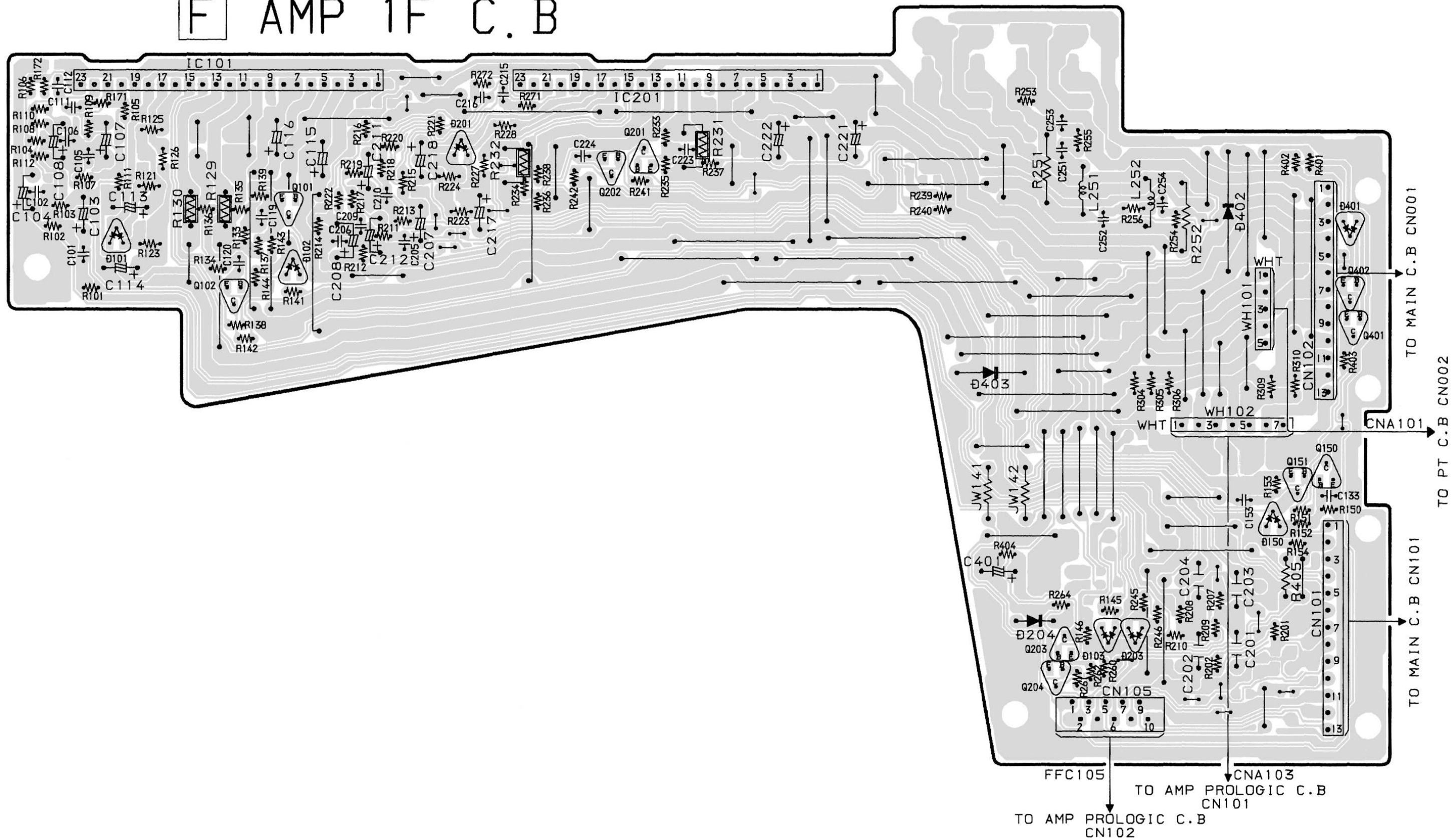




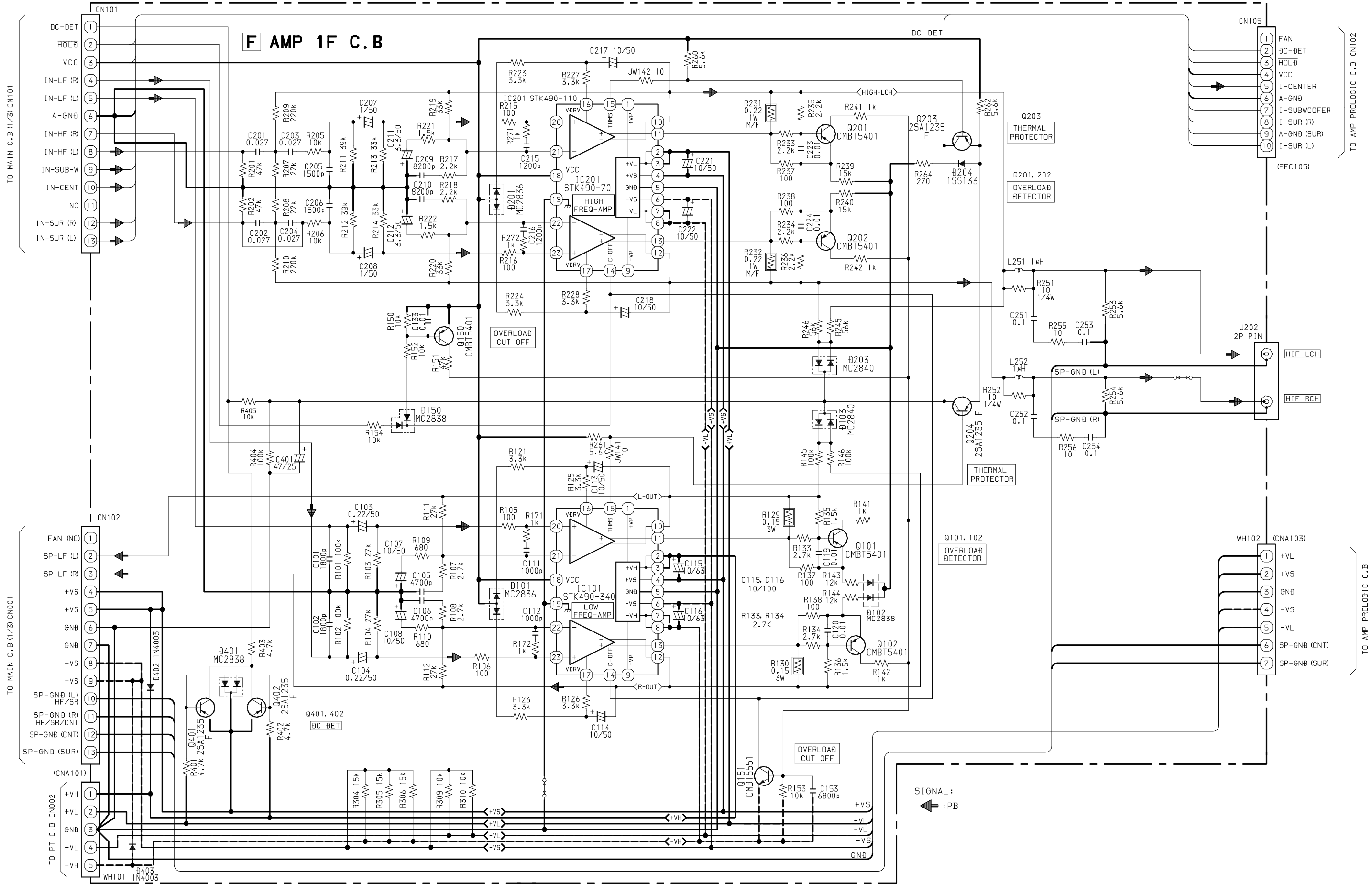
SCHEMATIC DIAGRAM – 5 (AC3)



F AMP 1F C.B

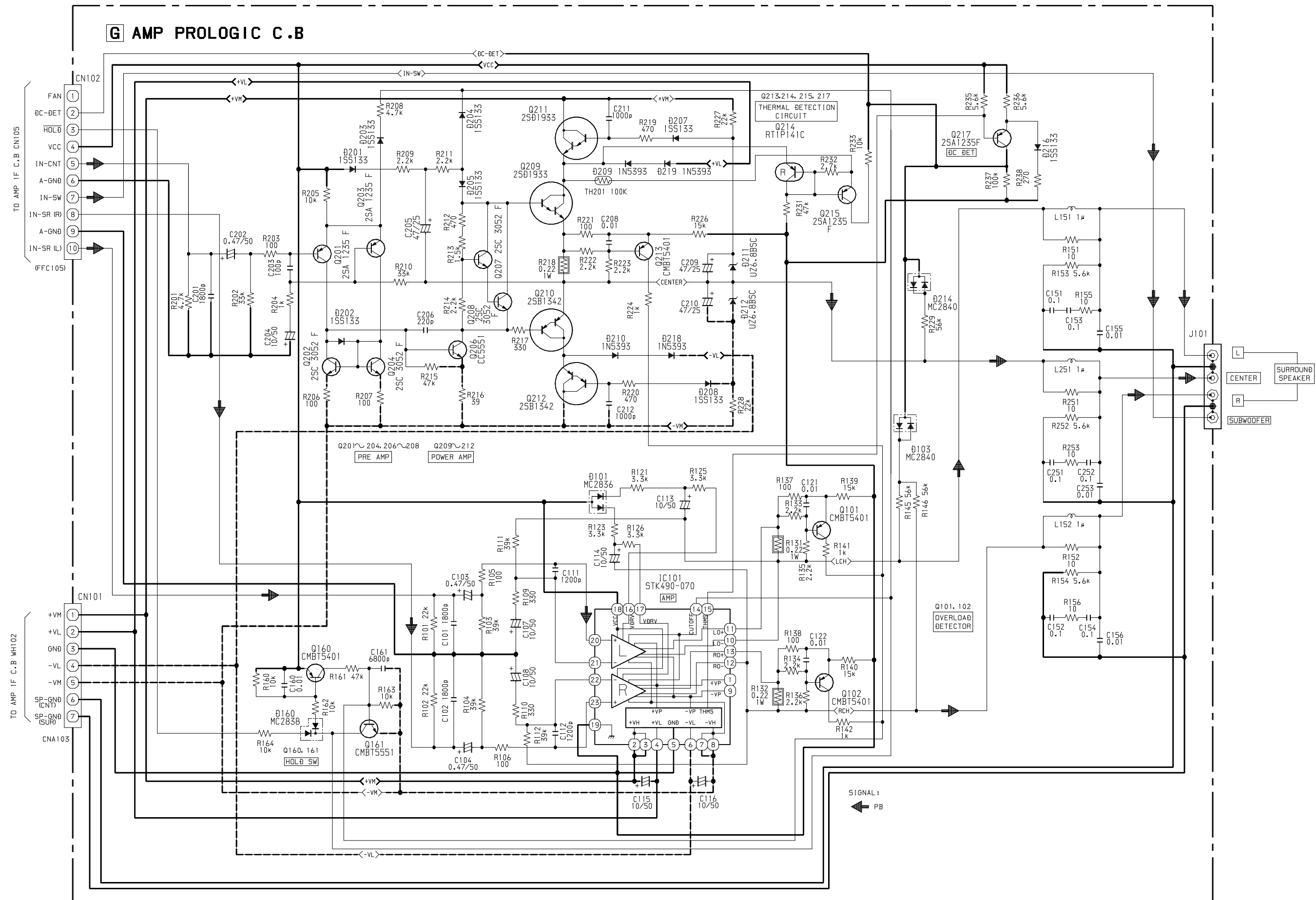


SCHEMATIC DIAGRAM – 6 (AMP 1F)

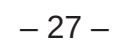




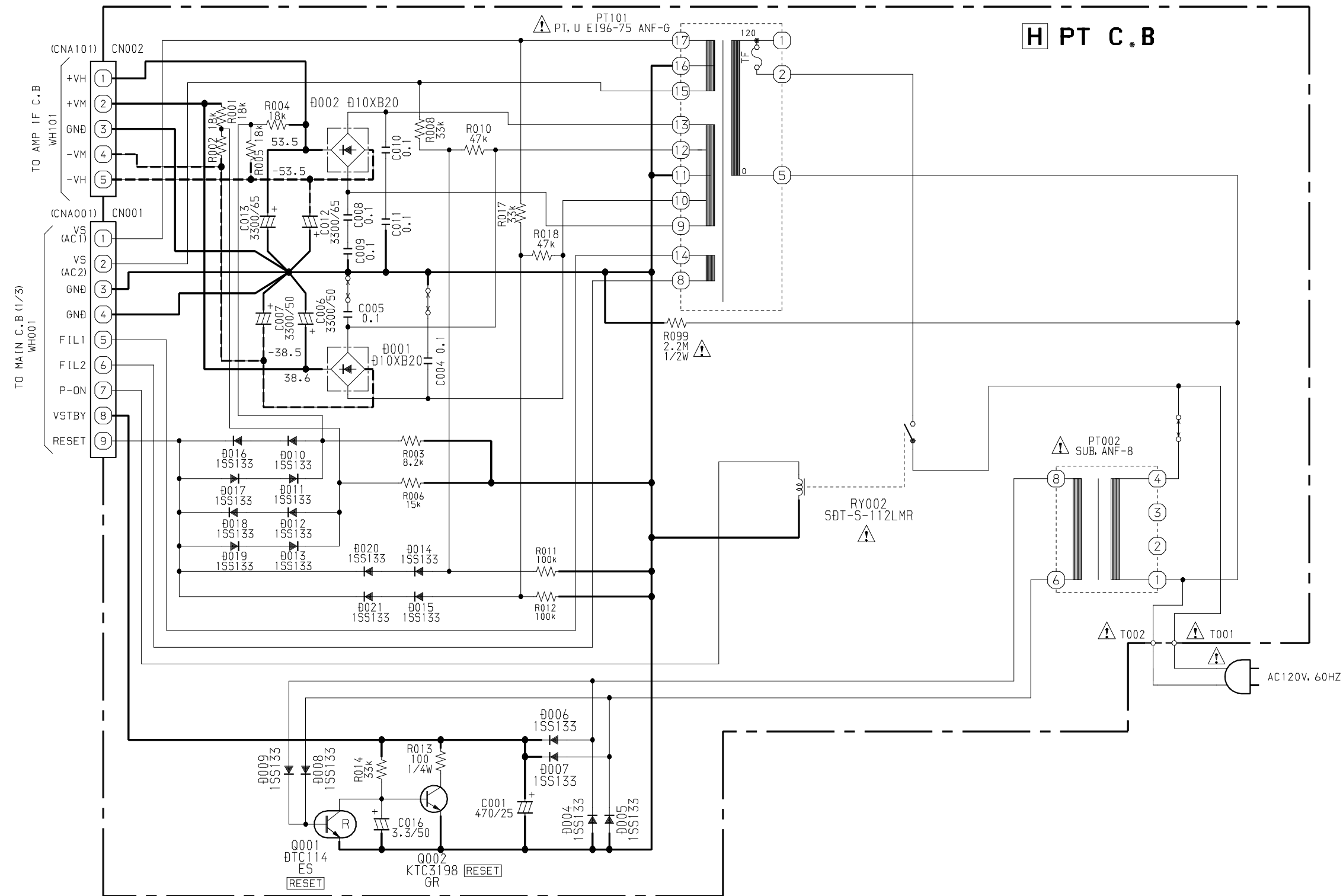
SCHEMATIC DIAGRAM – 7 (AMP PROLOGIC)



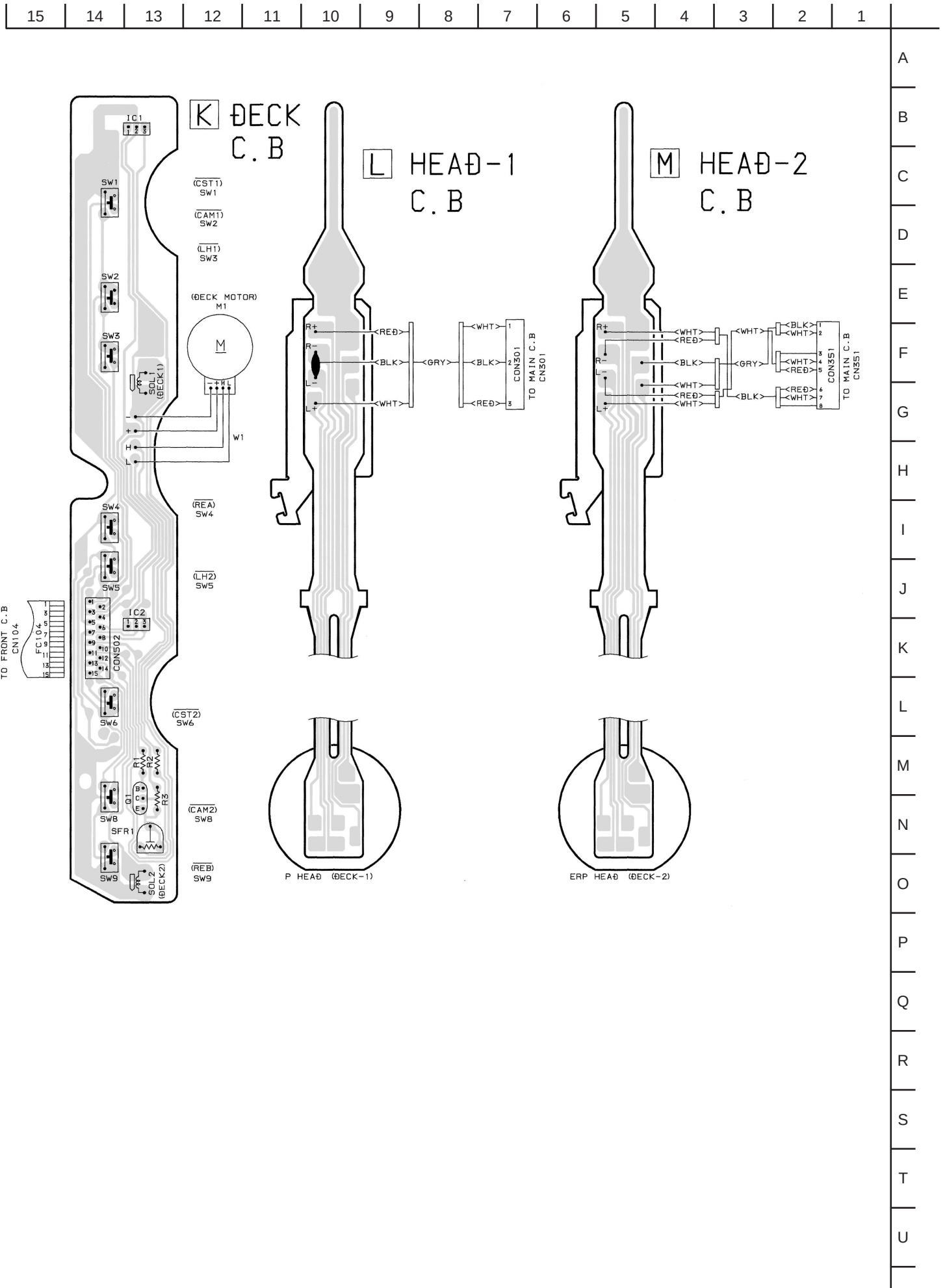
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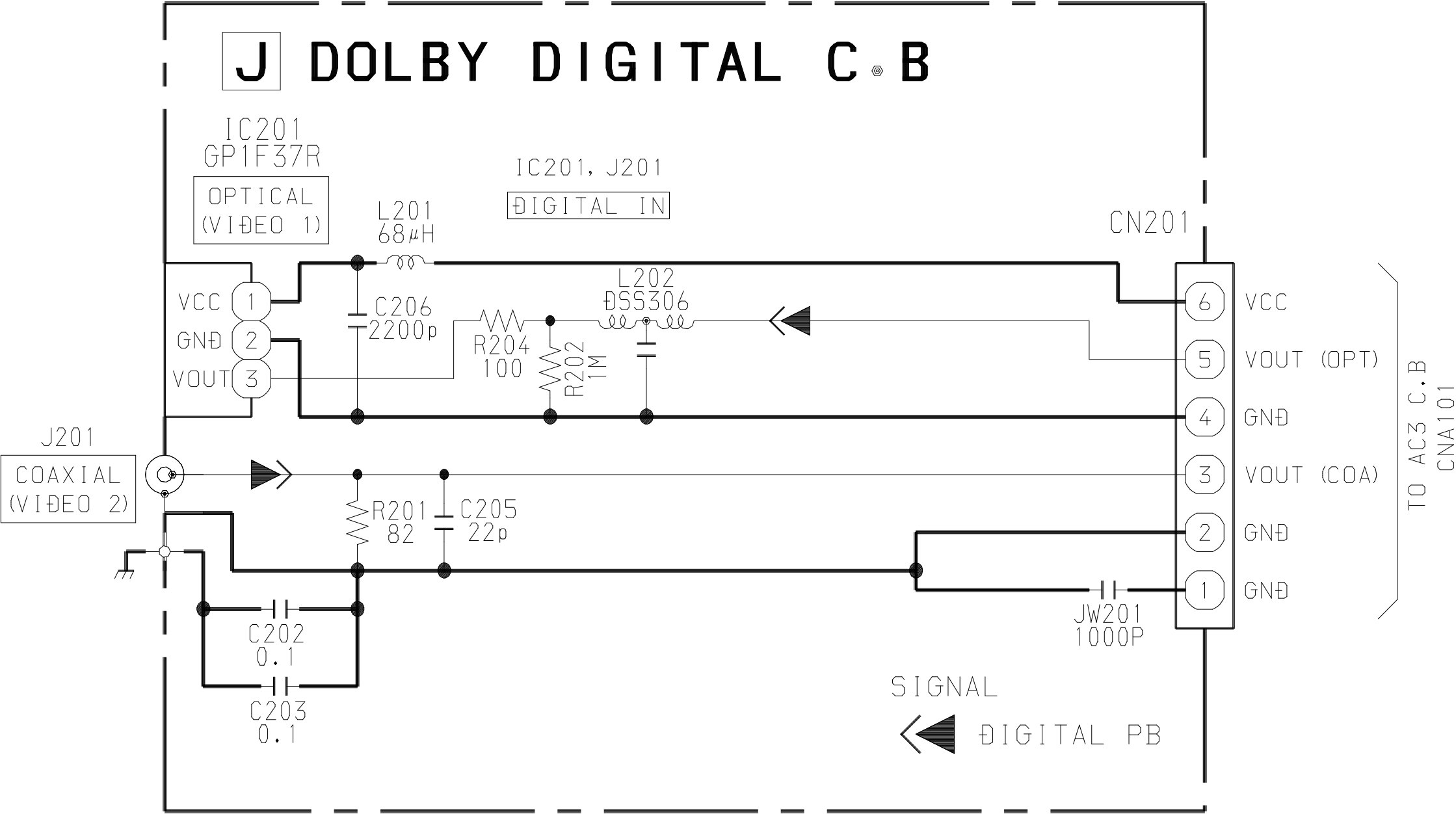


SCHEMATIC DIAGRAM – 8 (PT)

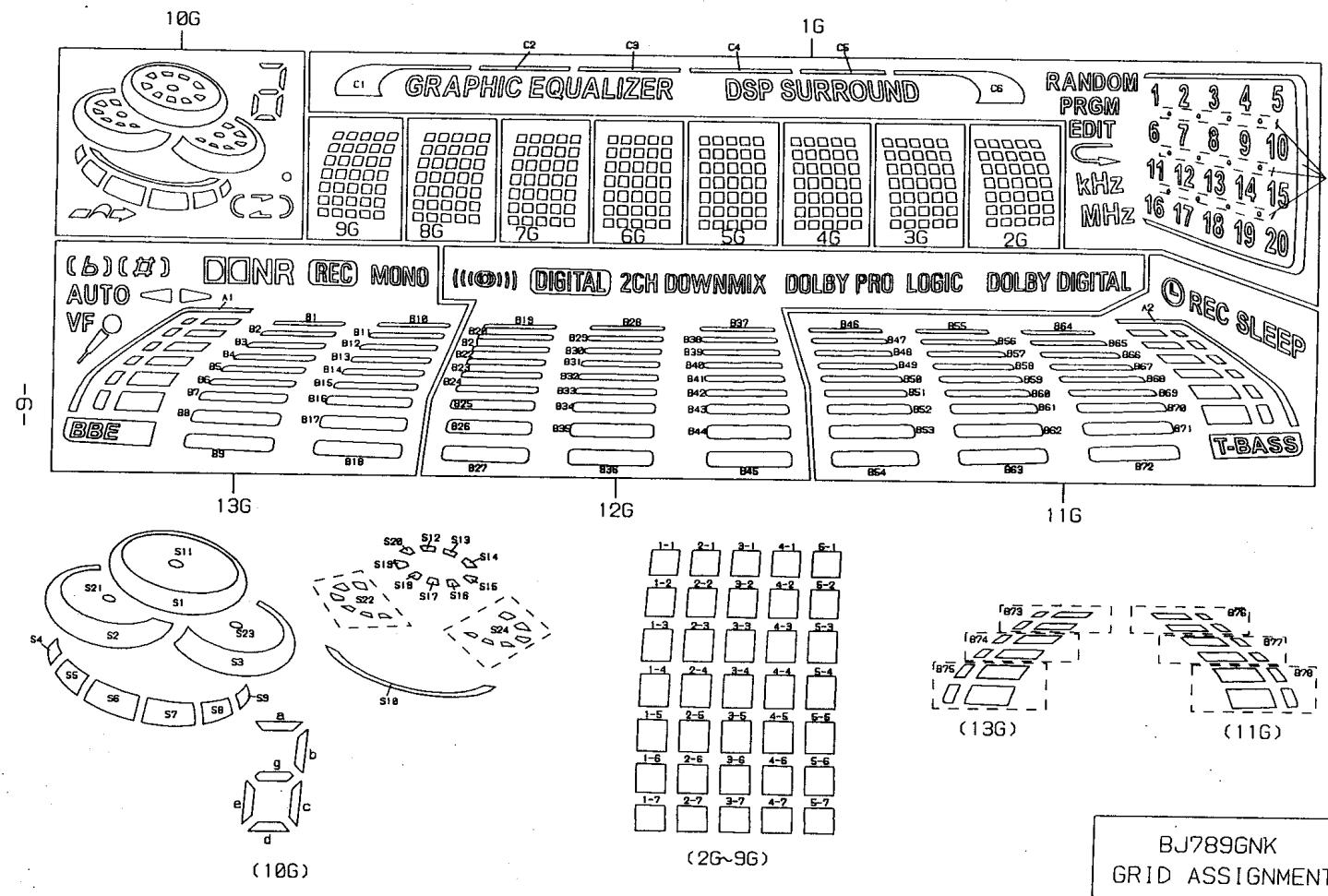


WIRING – 7 (DECK / HEAD-1 / HEAD-2)





GRID ASSIGNMENT



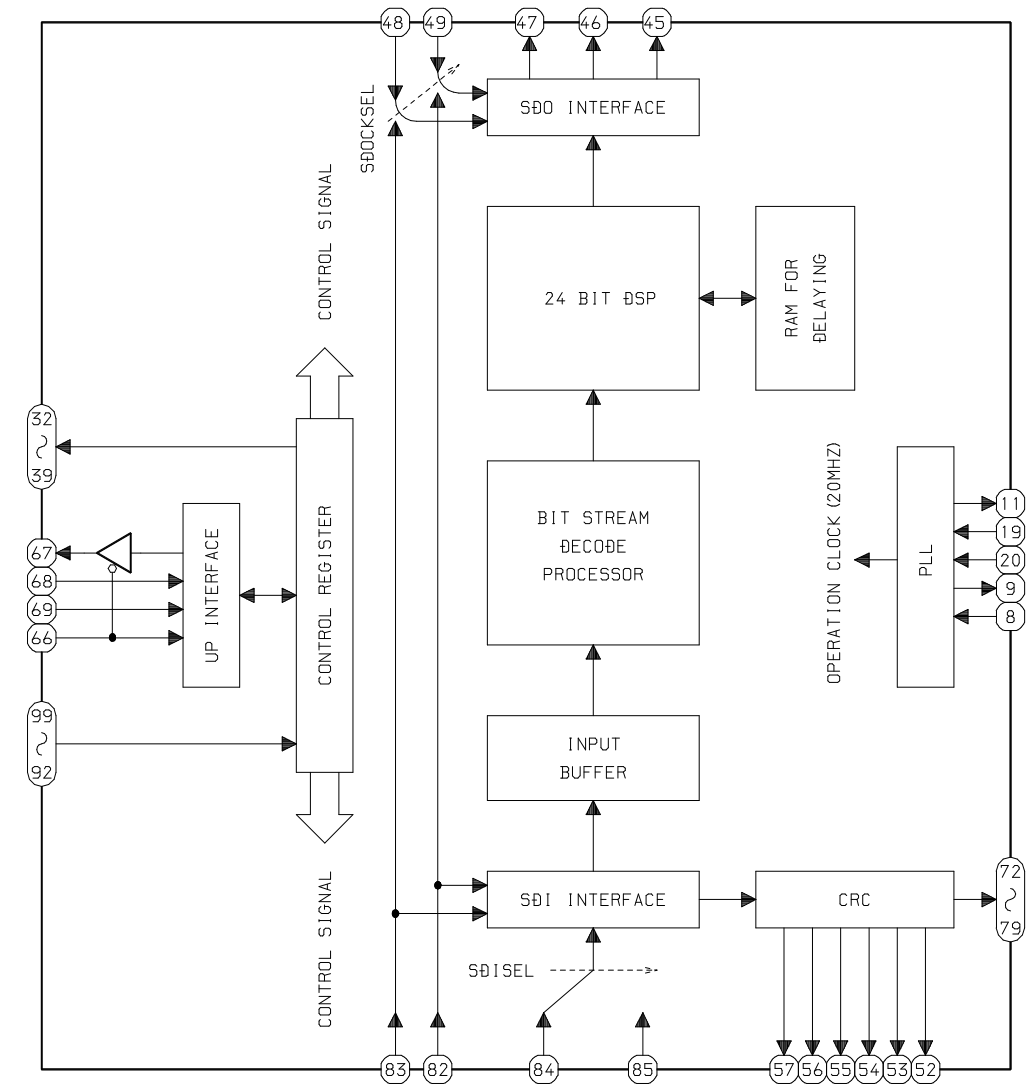
ANODE CONNECTION

	13G	12G	11G	10G	9G~2G	1G
P1		B27	B54	b	1-1	DSP SURROUND GRAPHIC EQUALIZER
P2		B36	B63	c	2-1	C6
P3		B45	B72	a, d, g	3-1	C5
P4		B26	B53	e	4-1	C4
P5		B35	B62	S1	5-1	C3
P6		B44	B71	S12	1-2	C2
P7		B25	B52	S13	2-2	C1
P8		B34	B61	S20	3-2	RANDOM
P9		B43	B70	S14	4-2	PRGM
P10		B24	B51	S11	5-2	EDIT
P11	A1	B33	B60	S19	1-3	
P12		B42	B69	S15	2-3	KHZ
P13	B75	B23	B50	S18	3-3	MHZ
P14	B74	B32	B59	S16	4-3	16
P15	B73	B41	B68	S17	5-3	11
P16	B9	B22	B49	S3	1-4	6
P17	B18	B31	B58	S24	2-4	1
P18	B8	B40	B67	S23	3-4	17
P19	B17	B21	B48	S2	4-4	12
P20	B7	B30	B57	S22	5-4	7
P21	B16	B39	B66	S21	1-5	2
P22	B6	B20	B47	S10	2-5	18
P23	B15	B29	B56	S9	3-5	13
P24	B5	B38	B65	S8	4-5	8
P25	B14	B19	B46	S7	5-5	3
P26	B4	B28	B55	S6	1-6	19
P27	B13	B37	B64	S5	2-6	14
P28	B3			S4	3-6	9
P29	B12		A2		4-6	4
P30	B2	2CH DOWNMIX	B78		5-6	20
P31	B11	DOLBY PRO LOGIC	B77		1-7	15
P32	B1	DOLBY DIGITAL	B76		2-7	10
P33	B10	-			3-7	5
P34	-	-		-	4-7	D1
P35	-	-		-	5-7	

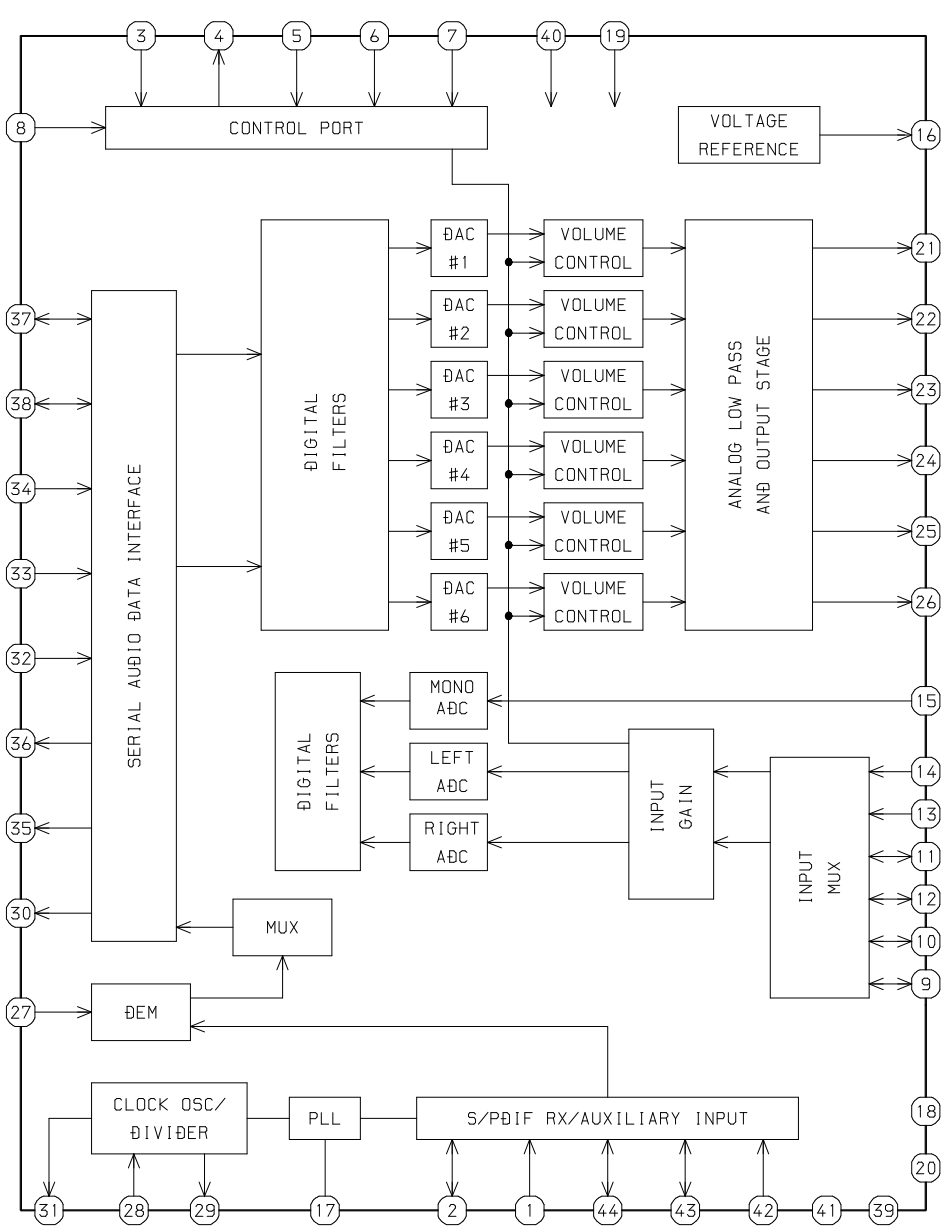
BJ789GNK
ANODE CONNECTION

IC BLOCK DIAGRAM

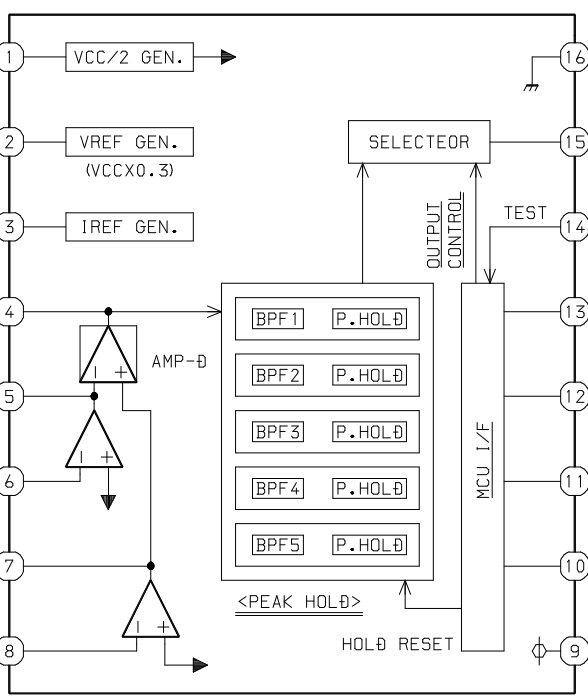
IC, YSS248-F



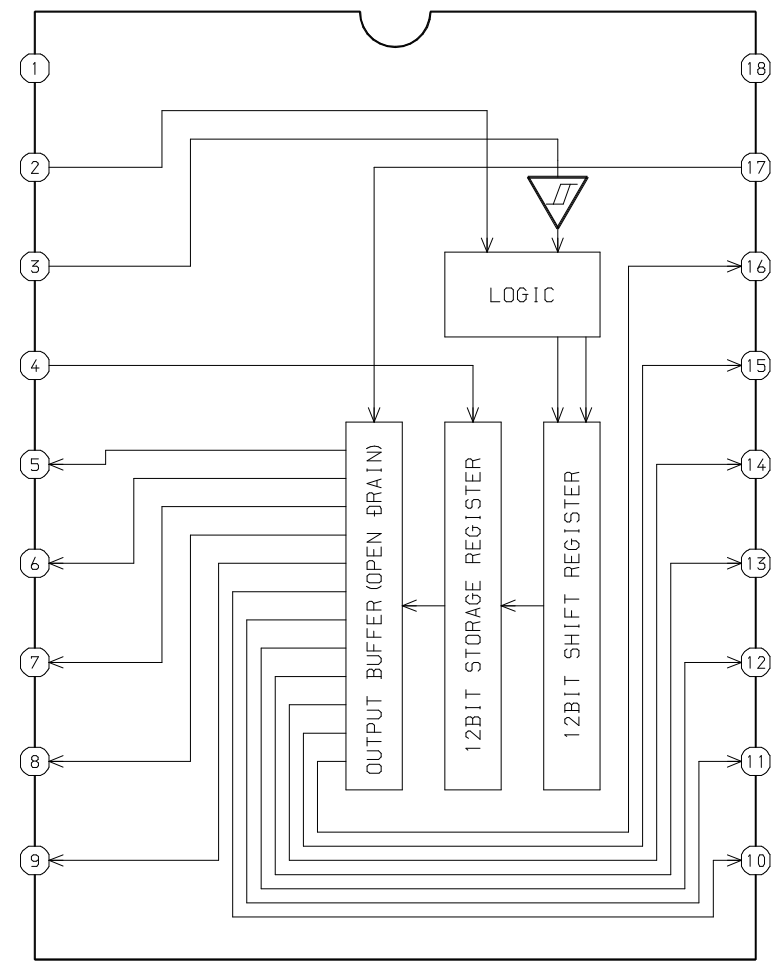
IC, CS4226



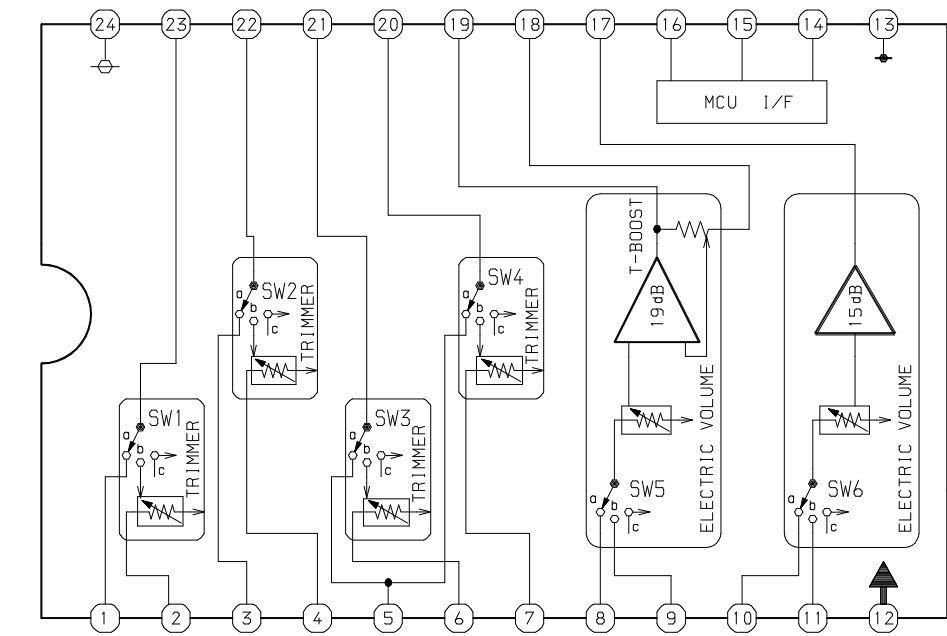
IC, M61506FP



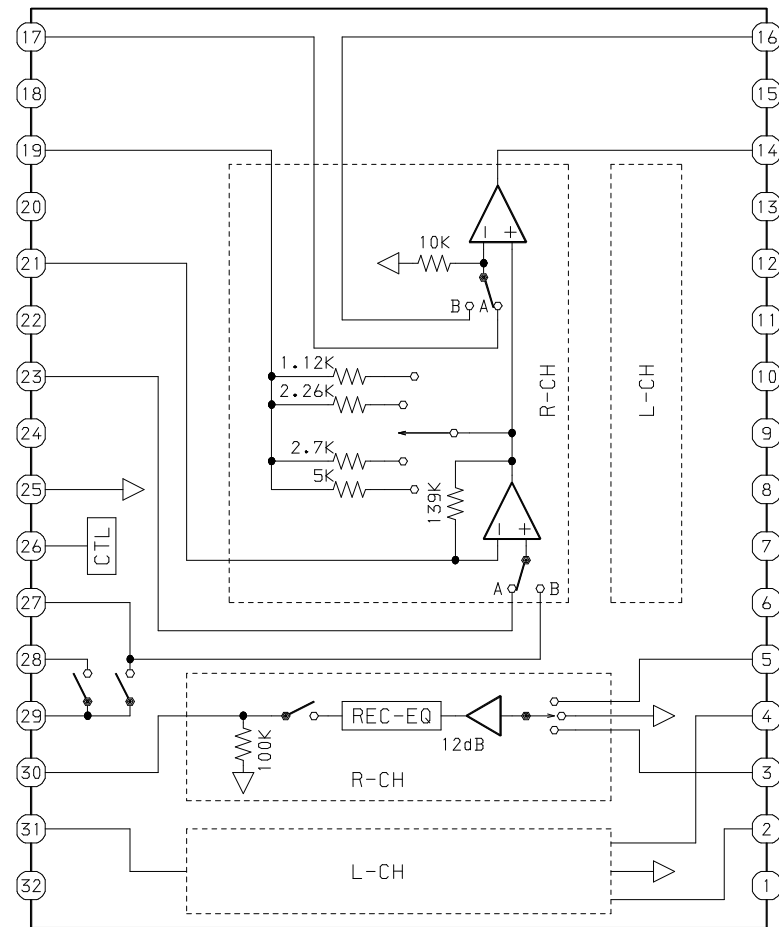
IC, BU2092F



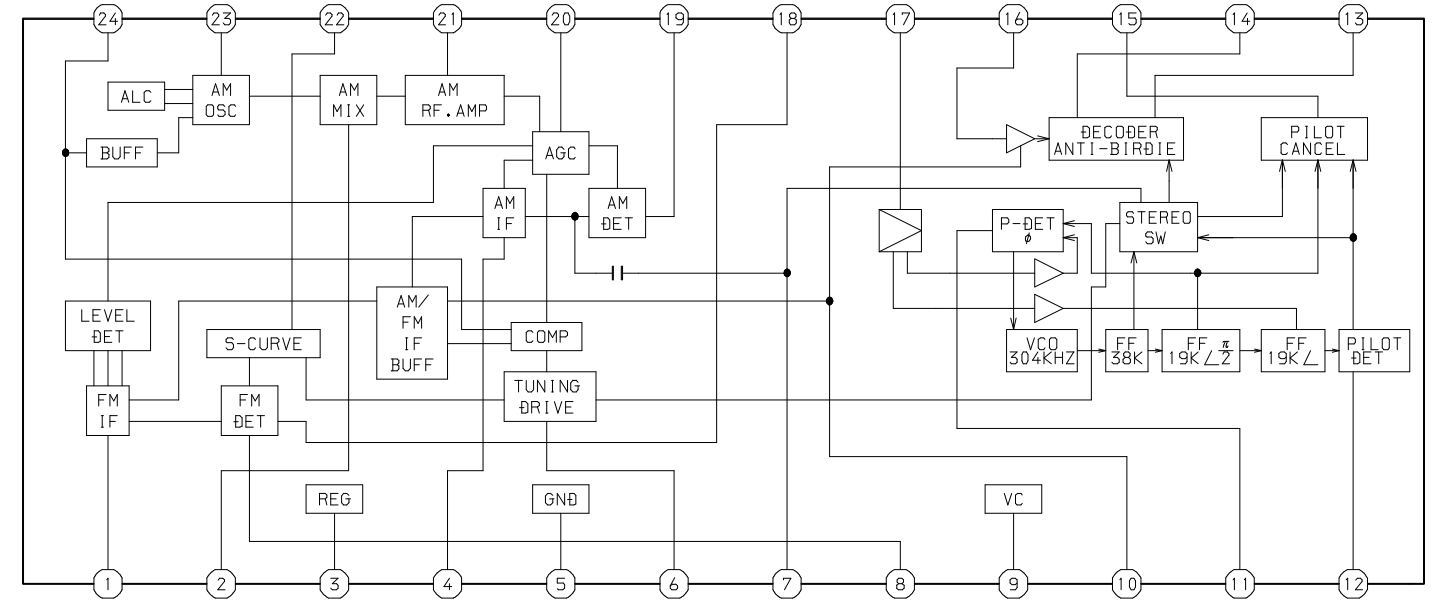
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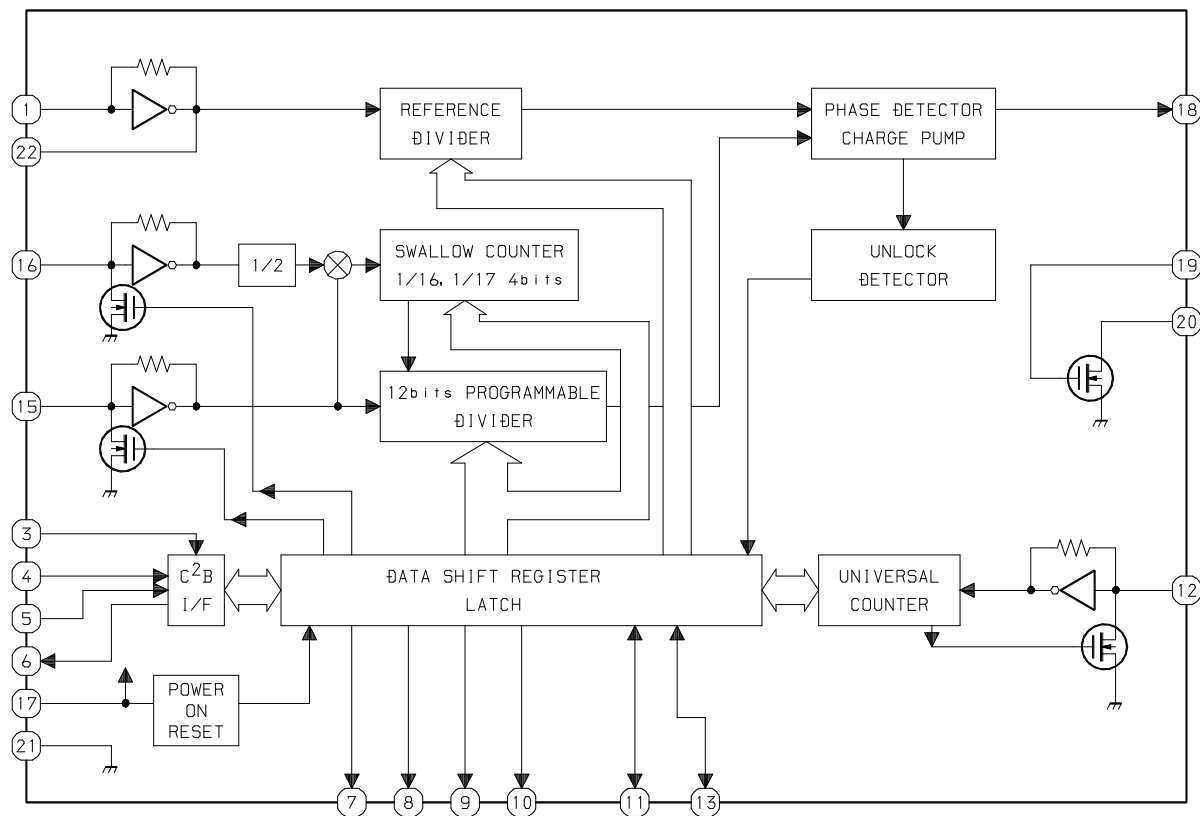
IC, BA7762AF5



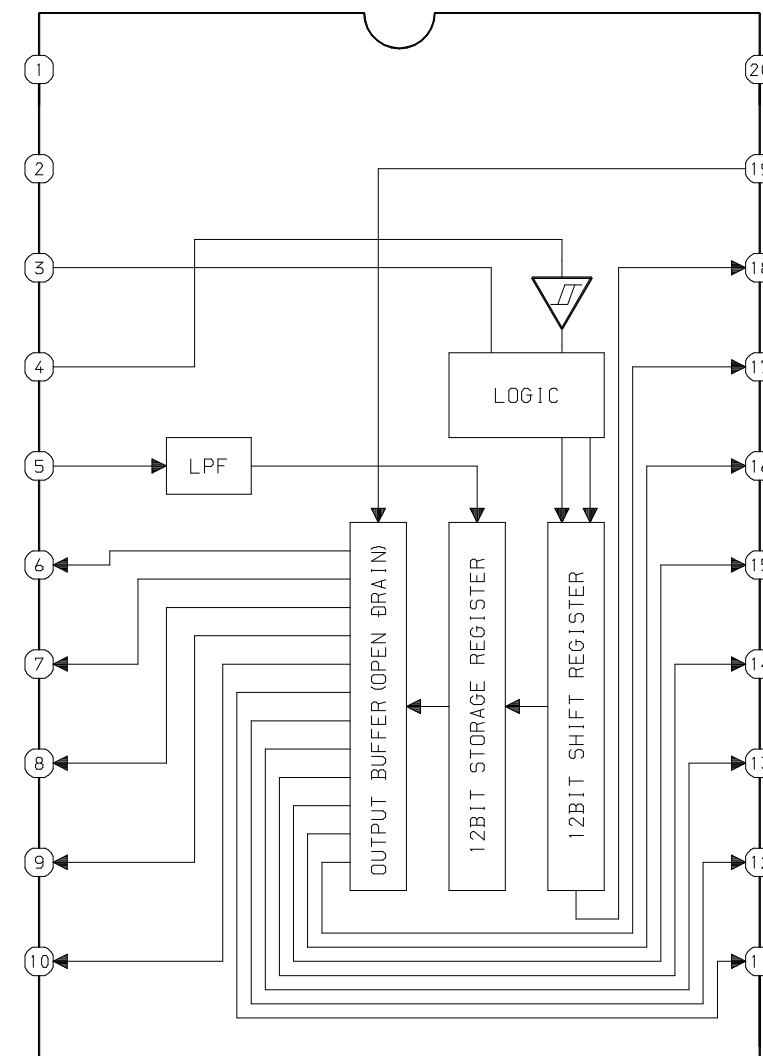
IC, LA1844L-A



IC, LC72131D



IC, BU2099FV



IC DESCRIPTION

IC, LC876572V-ANFG

Pin No.	Pin Name	I/O	Description
1	O-CLK	O	CLOCK output for FRONT and MAIN C.B.
2	O-DATA	O	DATA output for FRONT and MAIN C.B.
3	O-STB(M)	O	Strobe output for MAIN C.B.
4	O-POWER	O	System power ON/OFF output.
5	O-STB(SHIFT)	O	Strobe output for shift register.
6	I-SDA	I	Serial data input from D/A,A/D converter IC.
7	O-PLL-CE	O	Chip enable output for PLL.
8	O-CSW	O	Data output for OSD.
9	$\overline{\text{O-SOL2}}$	O	DECK 2 plunger $\overline{\text{ON}}$ /OFF output.
10	I-HP-MUTE	I	Head phones connect detect input.
11	$\overline{\text{RESET}}$	I	Reset input for MICON.
12	I-DISH	I	CD turntable photo sensor input.
13	I-SPEANA	I	Spectrum analyzer level AD input.
14	VSS1	–	Connected to GND.
15	CF1	–	To oscillator circuit.
16	CF2	–	To oscillator circuit.
17	VDD1	–	Power supply.
18	I-HOLD	I	HOLD input .
19	I-KEY1	I	Key-1 AD input.
20	I-KEY2	I	Key-2 AD input.
21	I-KEY3	I	Key-3 AD input.
22	I-CDSW	I	CD mechanical switch input.
23	I-RTVR	I	Rotary encoder AD input for VOLUME.
24	I-JOG	I	Rotary encoder AD input for MULTI JOG.
25	I-MIC	I	MIC input for AUTO VOCAL FADER.
26	I-MS	I	DECK MS detect input.
27	I-TM-BASE	I	Standard time input (8Hz).
28	I-WRQ/I-STEREO	I	CD WRQ input./ Tuner stereo detect input (Active "L")
29	I-RMC	I	System remote controller input.
30 ~ 42	G13 ~ G1	O	FL grid output (G13 ~ G1).
43 ~ 45	P35 ~ P33	O	FL segment output (P35 ~ P33).
46	VDD3	–	Power supply.
47	P32/SPEANA-A	O	FL segment output (P32)/Spectrum analyzer band change output (A).
48	P31/SPEANA-B	O	FL segment output (P31)/Spectrum analyzer band change output (B).
49	P30/SPEANA-C	O	FL segment output (P30)/Spectrum analyzer band change output (C).
50	P29/BEAT-M	O/I	FL segment output (P29)/BEAT MASTER diode input.
51	-VP	–	Connected to -VFL .
52	P28/AM-ST	O/I	FL segment output (P28)/AM-STEREO diode input (Not used).
53	P27/LW	O/I	FL segment output (P27)/LW diode input (Not used).
54	P26/SW	O/I	FL segment output (P26)/SW diode input (Not used).
55	P25/FM1	O/I	FL segment output (P25)/FM1 diode input (Not used).
56	P24/CASINO	O/I	FL segment output (P24)/Initial CASINO diode input (Not used).

Pin No.	Pin Name	I/O	Description
57	P23/ $\overline{\text{ECO}}$	O/I	FL segment output (P23)/Initial ECO diode input (Not used).
58	P22/ $\overline{\text{DSP}}$	O/I	FL segment output (P22)/DSP diode input (Not used).
59	P21/PRO/5.1	O/I	FL segment output (P21)/PRO-LOGIC 5.1CH diode input.
60	P20/KEY-CON	O/I	FL segment output (P20)/KEY CONTROL diode input (Not used).
61	P19/DOLBY	O/I	FL segment output (P19)/DECK DOLBY diode input (Not used).
62	P18/PRO	O/I	FL segment output (P18)/PROLOGIC diode input (Not used).
63	P17/AM10K	O/I	FL segment output (P17)/AM10K change diode input.
64	P16/ $\overline{\text{CST2}}$	O/I	FL segment output (P16)/DECK 2 cassette detect SW input.
65	P15/ $\overline{\text{REB}}$	O/I	FL segment output (P15)/DECK side B record permission SW input.
66	P14/ $\overline{\text{CAM2}}$	O/I	FL segment output (P14)/DECK 2 CAM SW input.
67	P13/AUTO1	O/I	FL segment output (P13)/DECK 1 auto stop input.
68	P12/AUTO2	O/I	FL segment output (P12)/DECK 2 auto stop input.
69	P11/ $\overline{\text{CAM1}}$	O/I	FL segment output (P11)/DECK 1 CAM SW input.
70	P10/ $\overline{\text{CST1}}$	O/I	FL segment output (P10)/DECK 1 cassette detect SW input.
71	P9/ $\overline{\text{REA}}$	O/I	FL segment output (P9)/DECK side A record permission SW input.
72	VDD4	–	Power supply.
73	P8 / $\overline{\text{AC DEMO}}$	O/I	FL segment output (P8)/DEMO (on the shop) diode input (Not used).
74~80	P7~P1	O	FL segment output (P7~P1).
81	$\overline{\text{O-RYM-CS}}$	O	Chip select output for RHYTHM IC.
82	O-TRAY CLOSE	O	CD tray close output.
83	O-TRAY-OPEN	O	CD tray open output.
84	I-SUBQ	I	CD SUBQ detect input.
85	O-DISH-FWD	O	CD turntable forward revolution output.
86	O-DISH-REV	O	CD turntable reverse revolution output.
87	O-DATA	O	CD data output.
88	$\overline{\text{O-LED-STBY}}$	O	STBY LED on output (STBY LED on during O-POWER OFF).
89	VSS2	–	Connected to GND.
90	VDD2	–	Power supply.
91	$\overline{\text{O-SOL1}}$	O	DECK 1 plunger $\overline{\text{ON/OFF}}$ output.
92	O-MUTE	O	System mute ON/OFF output.
93	O-AC3-CS	O	Chip select output to Dolby Digital Decoder IC.
94	O-CS	O	Chip select output to D/A, A/D Converter IC.
95	O-AC3-SI	O	Serial data output to Dolby Digital Decoder IC.
96	I-IFC/I-DRF	I	TUNER IFC input. / CD DRF input.
97	I-AC3-SI	I	Serial data input from Dolby Digital Decoder IC.
98	O-CD CLK	O	CD CLK output.
99	O-CD-CE	O	CD CE output.
100	$\overline{\text{O-KSCAN}}$	O	Key scan timing output.

ADJUSTMENT <TUNER / FRONT / DECK>

< TUNER SECTION >

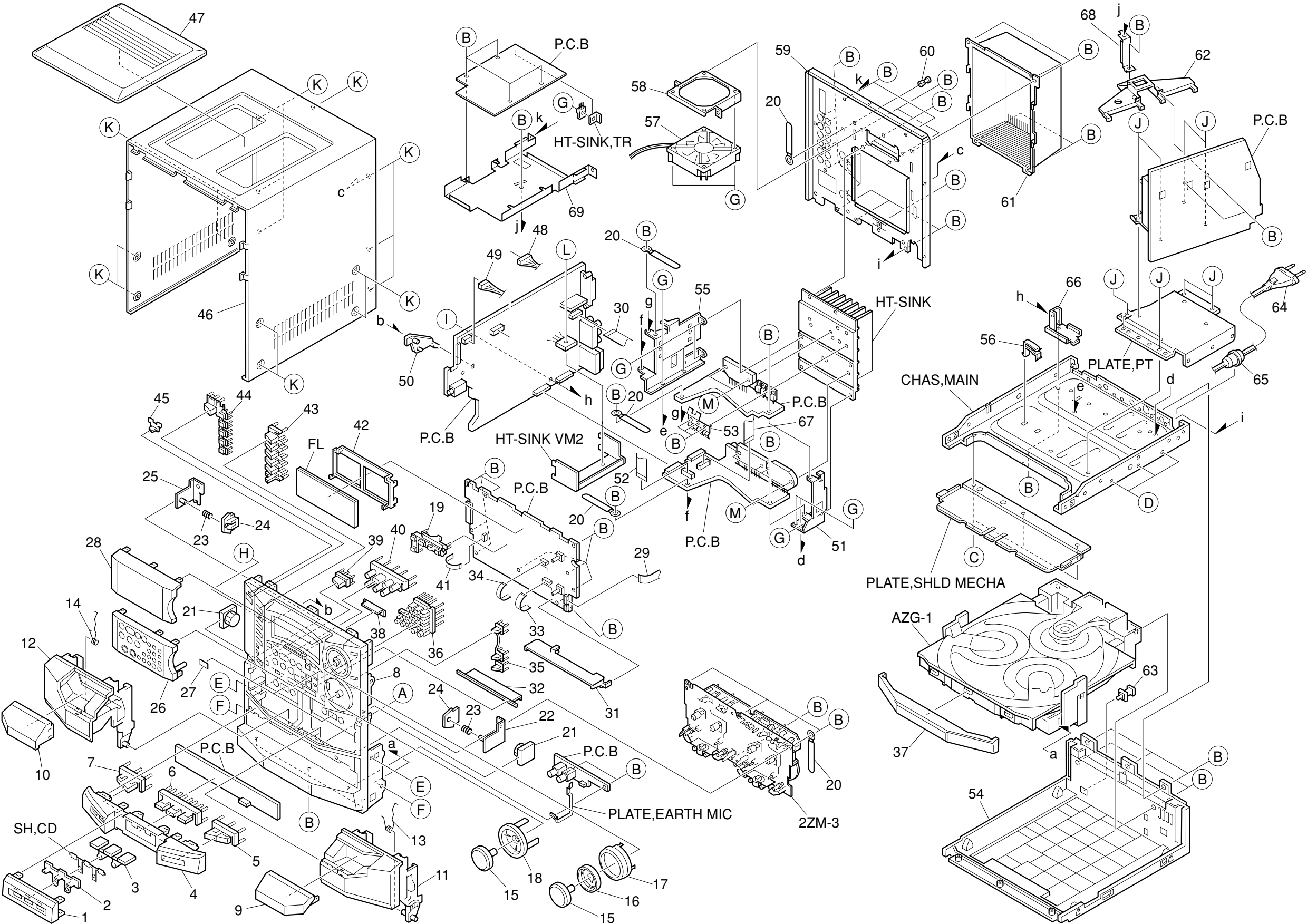
1. Clock frequency Check
Settings : • Test point : TP2 (CLK)
Method : Set to AM 1710kHz and check that the test point is 2160kHz $\pm$ 45Hz.
2. AM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to AM 1710kHz, 530kHz and check that the test point is less than 8.5V (1710kHz) and more than 0.6V (530kHz).
3. FM VT Check
Settings : • Test point : TP1 (VT)
Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).
4. AM Tracking Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L951(1/3) 1000kHz
Method : Set to AM 1000kHz and adjust L951(1/3) to MAX.
5. FM Tracking Check
Settings : • Test point : TP8(Lch), TP9(Rch)
Method : Set to FM 98.0MHz and check that the test point is less than 9dB μ V.
6. AM IF Adjustment
Settings : • Test point : TP8(Lch), TP9(Rch)
• Adjustment location :
L802 450kHz
7. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC Balance)
: TP8(Lch), TP9(Rch) (Distortion)
• Adjustment location : L771
• Input level : 60dB μ V
Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 300mV.
Next, check that the distortion is minimum.

< FRONT SECTION >

8. μ -CON OSC Adjustment
Settings : • Test point : TP7 and TP8 (GND)
• Adjustment location : L101
Method : Insert AC plug while pressing TUNER function key. Adjust L101 so that the frequency at the test point is 208.80Hz $\pm$ 0.2Hz.

< DECK SECTION >

9. Tape Speed Adjustment (DECK 2)
Settings : • Test tape : TTA-100
• Test point : TP5(Lch), TP6(Rch)
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz (FWD) and $\pm$ 45Hz (REV) with respect to forward speed.
10. Head Azimuth Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-300
• Test point : TP5(Lch), TP6(Rch)
• Adjustment location : Head azimuth adjustment screw
Method : Play back (FWD) the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.
11. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-330
• Test point : TP5(Lch), TP6(Rch)
Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0dB $\pm$ 3dB.
12. PB Sensitivity Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP5(Lch), TP6(Rch)
Method : Play back the test tape and check that the output level of the test point is 260mV $\pm$ 3dB.
13. REC/PB Frequency Response Adjustment (DECK 2)
Settings : • Test tape : TTA-602
• Test point : TP5(Lch), TP6(Rch)
• Input signal : 1kHz / 10kHz (LINE IN)
• Adjustment location : SFR351 (Lch)
SFR352 (Rch)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP5, TP6 becomes 28mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB $\pm$ 1dB with respect to that of the 1kHz signal.
14. REC/PB Frequency Response Check (DECK 2)
Settings : • Test tape : TTA-615
• Test point : TP5(Lch), TP6(Rch)
Method : Play back the 1kHz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0dB $\pm$ 2.5dB.
15. REC/PB Sensitivity Check (DECK 2)
Settings : • Test tape : TTA-602/TTA-615
• Test point : TP5(Lch), TP6(Rch)
• Input signal : 1kHz (LINE IN)
Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP5, TP6 becomes 280mV. Record and play back the 1kHz signals and check that the output is -0.5dB $\pm$ 2.5dB (TTA-602) / 0dB $\pm$ 3dB (TTA-615).



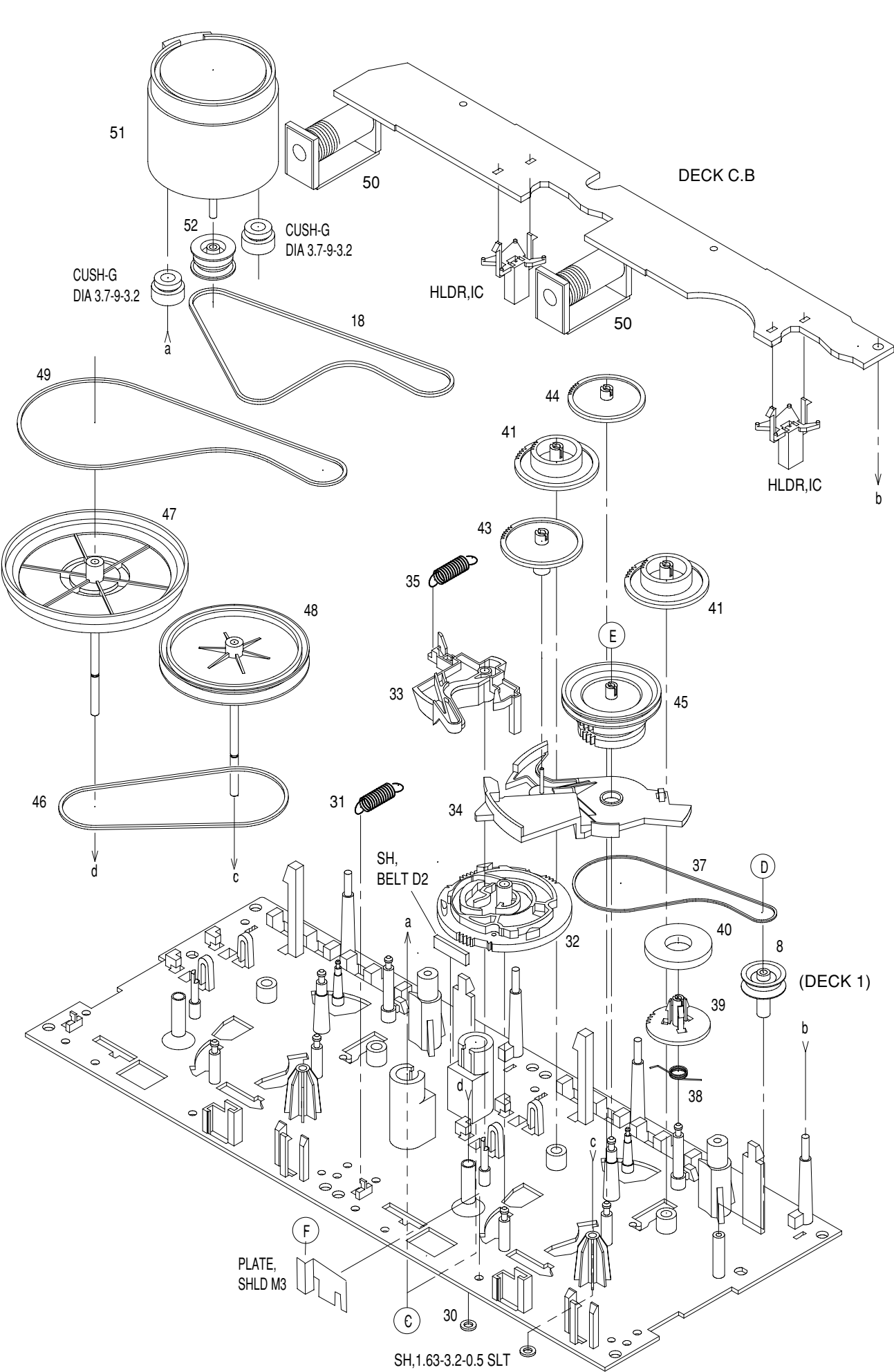
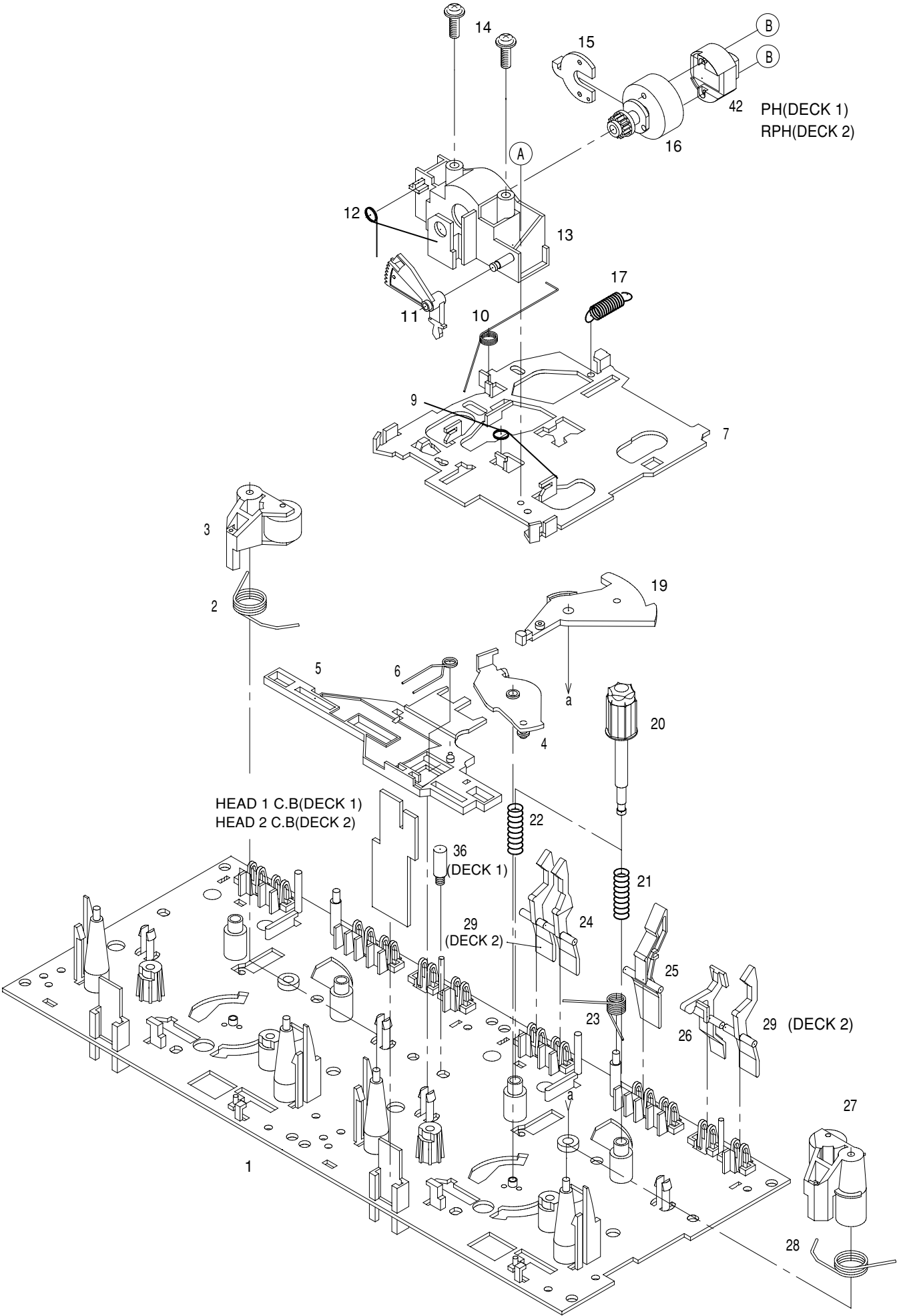
MECHANICAL PART LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NF6-010-010		PANEL,DIRECT	46	8A-NF6-058-010		CABI,STEEL HR
2	8A-NF6-044-010		REFLECTOR,CD	47	8A-NF6-005-010		PANEL,TOP
3	8A-NF6-205-010		GUIDE,CD	48	87-NF6-616-010		CONN ASSY,8P RPB
4	8A-NF6-009-010		PANEL,CD	49	87-NF6-615-010		CONN ASSY,3P PB
5	8A-NF6-036-010		KEY,CD EDIT	50	8A-NF8-206-010		HLDR,PWB M
6	8A-NF6-035-010		KEY,CD DIRECT	51	8A-NF6-214-010		HLDR,HT-SINK R
7	8A-NF6-037-010		KEY,CD OPEN	52	8A-NF8-655-010		CONN ASSY 7P TID-A(250)
8	8A-NFG-001-010		CABI,FR U	53	8A-NF6-210-010		HLDR,IC6
9	8A-NF6-019-010		WINDOW,CASS 2	54	8A-NF6-003-010		CABI,BOTTOM
10	8A-NF6-018-010		WINDOW,CASS 1	55	8A-NF6-213-010		HLDR,HT-SINK L
11	8A-NF6-007-010		BOX,CASS 2	56	87-NF4-221-010		HLDR,CABLE
12	8A-NF6-006-010		BOX,CASS 1	57	87-A91-832-010		FAN, DSB0812H(DELTA)
13	82-NF5-219-010		SPR-T,EJECT 2 (SIN)	58	8A-NF6-219-010		HLDR,FAN
14	82-NF5-218-010		SPR-T,EJECT 1 (SIN)	59	8A-NFG-011-010		PANEL,REAR USM
15	8A-NF6-030-010		KNOB,RTRY JOG	60	87-084-077-010		NYLON RIVET, 3.5-4.5
16	8A-NF6-040-010		REFLECTOR,VOL	61	8A-NFG-010-010		COVER, REAR USM
17	8A-NF6-041-010		RING,VOL	62	8A-NF6-228-010		HLDR,PWB PT 96-75
18	8A-NFG-003-010		KEY,DSP SURROUND	63	84-ZG1-245-210		CAP,OPTICAL
19	8A-NF6-203-010		GUIDE,OPE	64	87-A80-110-010		AC CORD ASSY,U SPT-2W
20	87-064-185-010		HLDR,WIRE PVC 0.5	65	87-085-189-010		BUSHING, CORD (U)
21	8Z-NF6-210-010		DMPR,150 N	66	8A-NF7-209-010		HLDR,PWB-M BTM
22	87-NF4-217-110		HLDR,LOCK 2	67	8A-NF8-645-010		CONN ASSY 5P TID-A(530)
23	86-NF9-224-010		SPR-C,LOCK	68	8A-NFG-202-010		HLDR,PWB2
24	82-NF5-229-010		PLATE,LOCK	69	8A-NFG-202-010		HLDR,PWB1
25	87-NF4-216-010		HLDR,LOCK 1	A	87-067-758-010		BVT2+3-12 W/O SLOT
26	8A-NFG-008-010		PANEL,FR U	B	87-067-703-010		TAPPING SCREW, BVT2+3-10
27	81-532-080-010		LABEL, CASS. COMPT	C	87-067-688-010		BVTT+3-6
28	8A-NFG-002-010		WINDOW,DISP U	D	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
29	88-913-521-110		FF-CABLE,13P 1.25 520MM	E	87-591-094-410		TAPPING SCREW, QIT+3-6
30	88-906-621-110		FF-CABLE,6P 1.25 620MM	F	87-721-097-410		QT2+3-12 GLD
31	8A-NF6-204-010		GUIDE,DECK	G	87-067-579-010		TAPPING SCREW, BVT2+3-8
32	8A-NF6-039-010		REFLECTOR,DECK	H	87-723-096-410		QT2+3-10W/O SLOT BL
33	88-915-111-110		FF-CABLE,15P 1.25	I	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
34	88-907-421-110		FF-CABLE,7P 1.25 420MM	J	87-067-975-010		S-SCREW,IT+4-8
35	8A-NF6-022-010		KEY,ECHO	K	87-B10-091-010		UTT2+3-10 W/O BLK
36	8A-NF6-047-010		KEY,T-BASS U	M	87-067-581-010		TAPPING SCREW, BVT2+3-15
37	8A-NF6-008-010		PANEL,TRAY				
38	8A-NF6-038-010		REFLECTOR,FL				
39	8A-NFG-004-010		KEY,ASSY PRO ANF-16				
40	8A-NF6-026-010		KEY,ASSY OPE				
41	88-911-291-110		FF-CABLE,11P 1.25 290				
42	8A-NF6-201-010		GUIDE,FL				
43	8A-NFG-006-010		KEY,ASSY FUN ANF-16				
44	8A-NF6-045-010		KEY,ASSY POWER				
45	8A-NF6-042-010		REFLECTOR,ECO				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink

TAPE MECHANISM EXPLODED VIEW 1 / 1



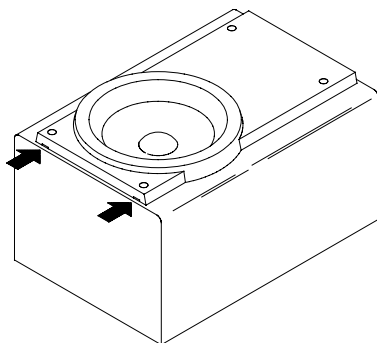
TAPE MECHANISM PART LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-610		CHAS ASSY,M2	31	82-ZM1-255-310		SPR-E,LVR DIR
2	82-ZM1-258-210		SPR-T,PINCH L	32	82-ZM3-305-210		GEAR,CAM M2
3	82-ZM3-348-010		LEVER ASSY,PINCH YL	33	82-ZM1-227-310		LVR,TRIG
4	82-ZM1-333-210		PLATE,LINK2	34	82-ZM3-306-110		LVR,FR M2
5	82-ZM1-266-310		LVR,DIR	35	82-ZM1-265-310		SPR-E,TRIG
6	82-ZM1-214-010		SPR-T,DIR	36	82-ZM3-339-110		SHAFT,COUPLER N3
7	82-ZM1-206-910		CHAS,HEAD	37	86-ZM1-206-010		BELT,MAIN L
8	82-ZM3-335-310		PULLEY,COUPLER M3	38	82-ZM1-322-010		SPR-T,FR 60
9	82-ZM1-269-210		SPR-T,BRG	39	82-ZM1-220-210		GEAR,IDLER
10	82-ZM1-219-110		SPR-T,LINK	40	82-ZM3-616-010		RING MAGNET 4
11	82-ZM1-210-110		GEAR,H T	41	82-ZM1-216-410		GEAR,REEL
12	82-ZM1-213-010		SPR-T,HEAD	42	87-A91-196-010		HEAD,PH KP9142 FPC
13	82-ZM1-207-910		GUIDE,TAPE	42	87-A91-195-010		HEAD,RPH KC9142 FPC
14	86-ZM4-206-010		S-SCREW,AZIMUTH L	43	82-ZM1-225-210		GEAR,FR
15	82-ZM1-314-110		PLATE,HEAD	44	82-ZM1-226-010		GEAR,REW
16	82-ZM1-208-310		HLDR,HEAD	45	82-ZM3-333-310		SLIP DISK ASSY 2
17	82-ZM1-218-010		SPR-E,HB	46	82-ZM1-338-110		BELT,FR 4
18	82-ZM3-342-010		BELT,SBU MOT 3	47	82-ZM1-237-610		FLY-WHL,ASSY R <DECK1>
19	82-ZM1-222-210		LVR,PLAY	47	09-001-420-010		FLY-WHL,R ASSY <DECK2>
20	82-ZM1-217-410		REEL TABLE	48	82-ZM1-234-310		FLY-WHL,ASSY L <DECK1,2>
21	82-ZM1-244-510		SPR-C,BT	49	82-ZM3-329-410		BELT,SBU R2
22	82-ZM1-285-410		SPR-C,BT L	50	82-ZM1-618-410		SOL ASSY,27
23	82-ZM1-257-010		SPR-T,CAS	51	87-045-347-010		MOT,SHU2L 70
24	82-ZM1-241-310		LVR,MC	52	82-ZM3-221-210		PULLEY,MOT 2M
25	82-ZM1-242-010		LVR,CAS	A	85-ZM3-202-010		S-SCREW,TG
26	82-ZM1-243-010		LVR,STOP	B	80-ZM6-207-010		V+1.6-7
27	82-ZM3-343-010		LEVER ASSY,PINCH YR	C	82-ZM3-318-110		S-SCREW W,MOTOR M2
28	82-ZM1-259-210		SPR-T,PINCH R	D	87-B10-043-010		W-P,0.99-4-0.25 SLT
29	82-ZM1-240-110		LVR,REC(*)	E	82-ZM3-334-010		PW 2.16-6-0.4
30	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT	F	82-ZM3-222-010		S-SCREW,SHILD PLATE

SPEAKER DISASSEMBLY INSTRUCTIONS

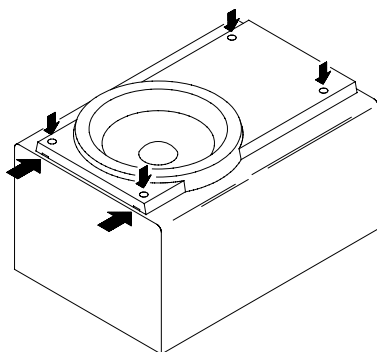
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



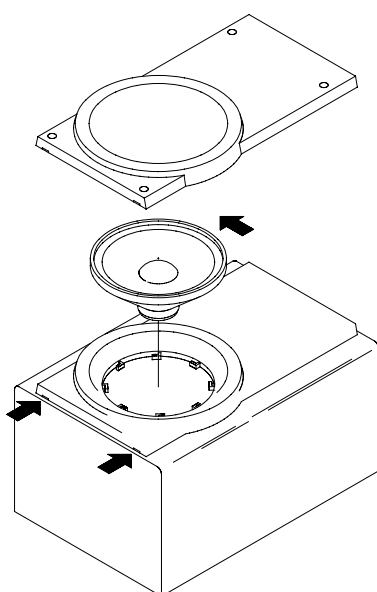
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

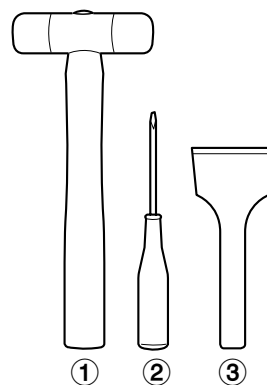


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

- ① Plastic head hammer
- ② (⊖) flat head screwdriver
- ③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

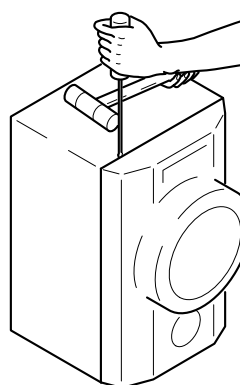


Fig-1

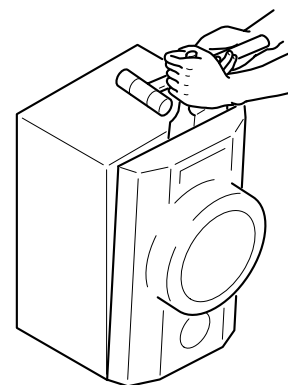


Fig-2

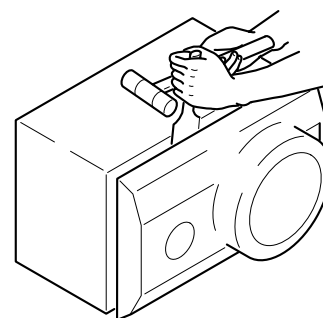


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST SX-WNAJ86 (YUSL)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NS2-001-010		PANEL, FR				
4	8A-NS2-004-010		PANEL, DUCT				
3	8A-NS2-013-010		PANEL, DUCT RING				
4	8A-NS2-008-010		PROTECTOR, TW				
5	8A-NS2-009-010		GRILLE, FRAME ASSY				
6	8A-NS6-604-010		SPKR, W 200				
7	8A-NS0-604-010		SPKR, M 120				
8	88-NSK-610-010		SPKR, CERAMIC ASSY				
9	88-NS5-610-010		CORD, SPKR				
10	88-NS5-611-010		CORD, SPKR B/L				

SPEAKER PARTS LIST SX-C605 (YUSTNC, YUSTNL)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS3-001-010		PANEL, FR ST
2	87-YS3-002-010		PANEL, REAR ST
3	81-VSA-009-010		CORD, BUSH
4	87-YS3-003-010		GRILLE, FRAME ASSY
5	83-NSM-010-010		SPKR, CORD
6	87-YS7-602-010		SPKR, 100<YUSTNC>
6	87-YS7-604-010		SPKR, 100<YUSTNL>
7	87-YS7-903-010		IB, YU (ESF) O<YUSTNC>

SPEAKER PARTS LIST SX-R275 (YUSTNC, YUSTNL, YUSTNP)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YS1-001-010		CABI, REAR
2	87-YS1-004-010		GRILLE, FRAME ASSY
3	81-VSA-009-010		CORD, BUSH
4	87-010-384-010		CAP, E 100-25 M SME
5	87-YS6-002-010		SPKR, CORD Y
6	87-YS6-601-010		SPKR, 100
7	87-YS6-903-010		IB, YU (ESF) O<YUSTNC>
7	87-YS6-904-010		IB, YU (ESF) P<YUSTNP>
7	87-YS6-913-010		IB, YU (ESF) T<YUSTNL>

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFG-903-010		IB,U(ESF)M
2	8Z-NFD-702-010		RC UNIT,RC-ZAS22
3	87-006-225-010		AM LOOP ANT NC2
4	87-043-115-010		ANT,FEEDER FM

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