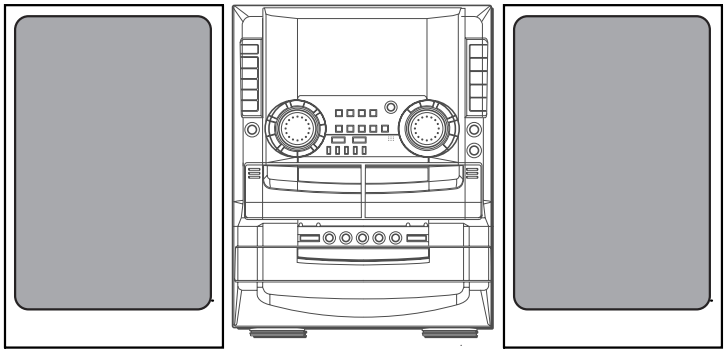
aiwa SERVICE

NSX-T929 LH



SERVICE MANUAL

COMPACT DISC STEREO SYSTEM

BASIC TAPE MECHANISM : 2ZM-3MK2 PR7NM
BASIC CD MECHANISM : 6ZG-1 ZZRNDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-T929	CX-NT929	SX-WNT929	RC-ZAS04

- This Service Manual is the “Revision Publishing” and replaces “Simple Manual” of NSX-T929 (LH), (S/M Code No. 09-00C-440-2T1).
- If requiring information about the CD mechanism, see Service Manual of 6ZG-1, (S/M Code No. 09-001-338-7N8).

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S/M Code No. 09-013-440-2R1

REVISION DATA

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

<Amplifier section>

Power output	Rated: 250 W + 250 W (8 ohms, T.H.D. 1 %, 60Hz) Reference: 320 W + 320 W (8 ohms, T.H.D. 10 %, 60Hz)
Total harmonic distortion	0.3 % (125 W, 60Hz, 8 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 300 mV (adjustable) MD: 300 mV (adjustable) MIC 1, MIC 2: 1.0 mV (10 kohms)
Outputs	LINE OUT: 210 mV SPEAKERS: accept speakers of 8 ohms or more SURROUND SPEAKERS: accept speakers of 8 ohms to 16 ohms 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
Signal-to-noise ratio	60 dB (Dolby B NR ON, CrO_2 tape peak level)
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)

<General>

Power requirements	120 V/ 220V–230V/ 240 V AC (switchable) 50/60 Hz
Power consumption	390 W
Power consumption in standby mode	With ECO mode on: 0.9 W With ECO mode off: 47 W
Dimensions (W x H x D)	300 x 383.5 x 404.5 mm
Weight of main unit	17.2 kg

<Speaker system SX-WNT929>

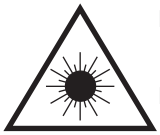
Speaker system	3 way,built-in subwoofer (magnetic shielded type)
Speaker units	Woofer: 160 mm X 2 cone Mid range: 140 mm cone Super tweeter: 20 mm ceramic
Impedance	8 ohms / 8 ohms
Dimensions (W x H x D)	270 x 495 x 297 mm
Weight	6.5 kg

- Design and specifications are subject to change without notice.
- Manufactured under license from Dolby Laboratories Licensing Corporation.
  "DOLBY" and the double-D symbol ⧫⧫ 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 saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

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

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

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

ADVARSEL
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer 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.

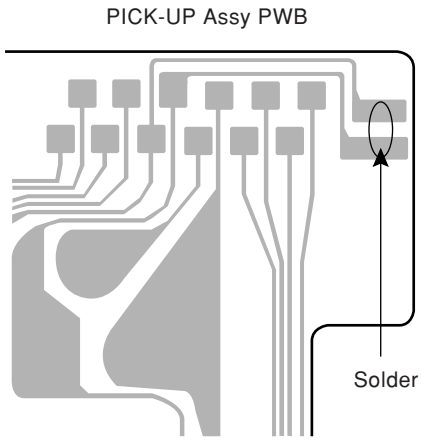
CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

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.



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.

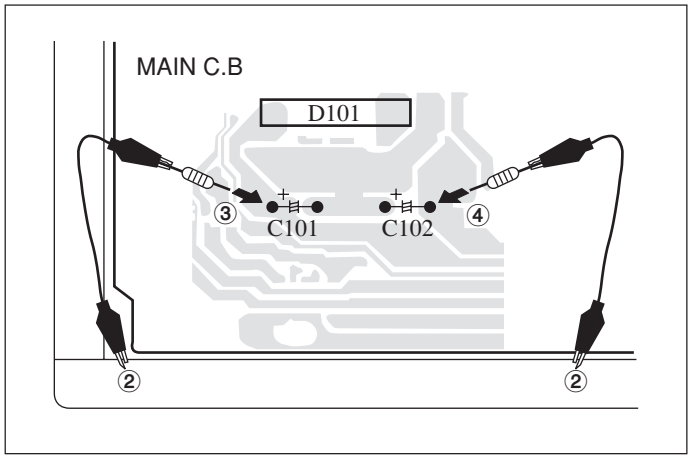


Fig-1

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.

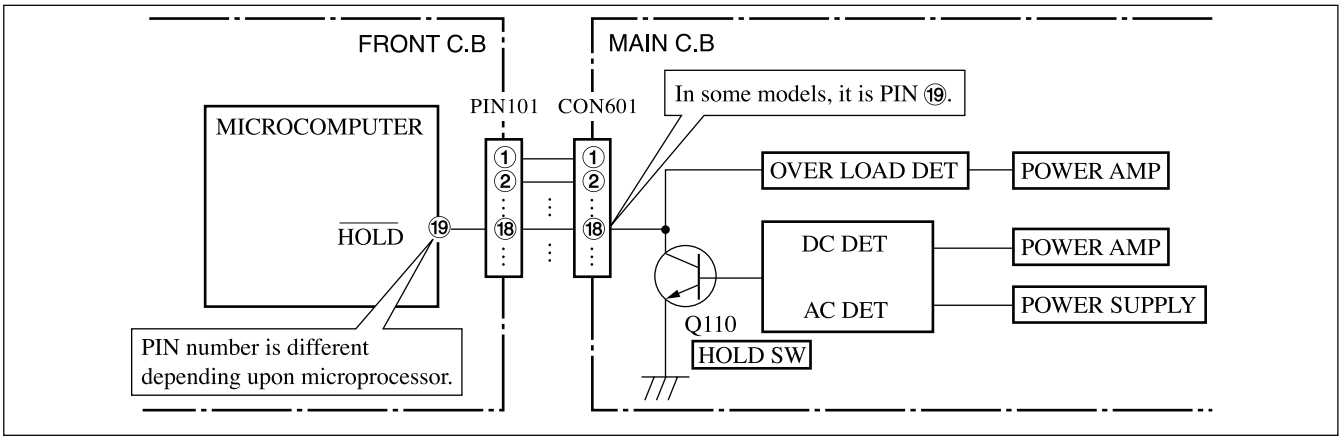


Fig-2-1

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.

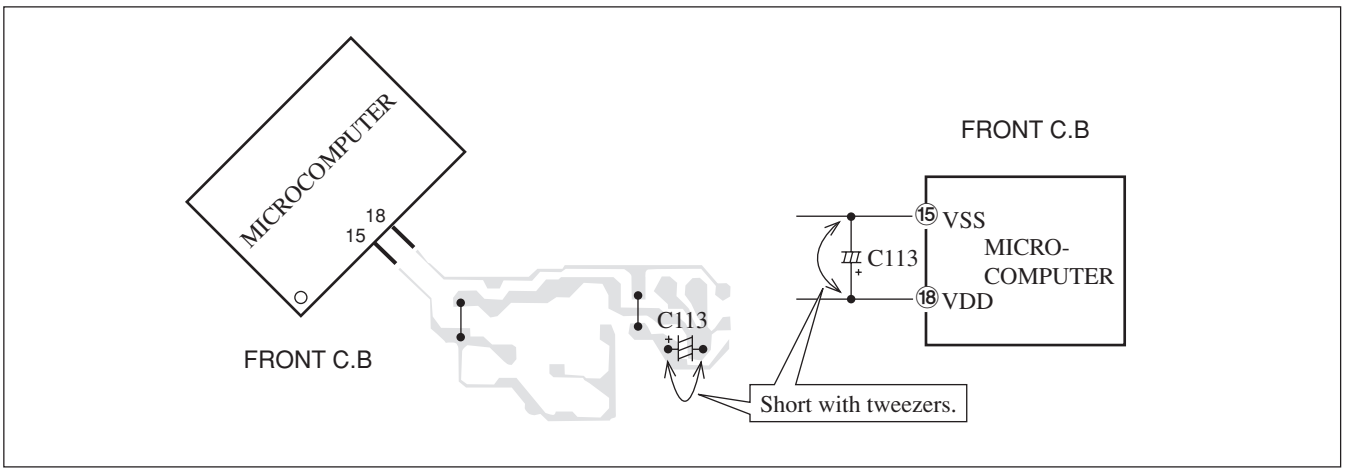


Fig-2-2

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
IC			
	87-A21-419-040		C-IC,NJM14558MD-TE2
	8B-NF4-635-010		C-IC,LC876596W-5T96
	87-A21-831-010		IC,SPS-422-1-F1
	87-A20-355-010		IC,CXA1553P
	87-A20-783-040		C-IC,BA7762AFS
	87-A21-021-040		C-IC,BU2099FV
	87-070-289-040		IC,BU2092F
	87-A21-018-040		C-IC,M65849BFP631D
	87-A21-452-130		C-IC,BD3876AKS2
	87-A21-051-040		C-IC,BU9990-03FS
	87-A21-695-010		IC,LA1845L
	87-A21-577-040		C-IC,M61506FP
	87-A21-928-010		IC,LC72131D-N
	87-A21-269-010		IC,EW732
TRANSISTOR			
	89-213-702-010		TR,2SB1370 (1.8W)
	87-A30-087-080		C-FET,2SK2158
	87-A30-455-040		C-TR,DTA144EKA
	87-A30-515-080		TR,2SA1979O/Y
	87-A30-075-080		C-TR,2SA1235F
	87-A30-076-080		C-TR,2SC3052F
	87-A30-086-070		C-TR,CSD1306E
	89-213-750-010		TR,2SB1375 (25W)
	89-110-372-080		C-TR,2SA1037K(R)
	87-026-610-080		TR,KTC3198GR
	87-A30-495-080		TR,2SA1981Y
	87-A30-107-070		C-TR,CMBT5401
	87-A30-106-040		C-TR,CMBT5551
	87-A30-190-080		TR,CC5551
	87-A30-523-010		TR,2SD2562
	87-A30-522-010		TR,2SB1649
	87-A30-218-080		TR,2SB1237(Q)
	87-026-609-080		TR,KTA1266GR
	87-A30-447-040		C-TR,DTA114EKA
	87-A30-427-040		C-TR,DTC114EKA
	87-A30-097-010		TR,FN1016
	87-A30-098-010		TR,FP1016
	87-A30-276-040		C-TR,DTA143EKA
	87-A30-186-010		FET,2SK3053
	87-A30-582-080		TR,CDA1585BC
	87-A30-318-080		TR,CSA952K
	89-327-143-010		C-TR,2SC2714(0)
	87-A30-489-080		C-TR,KRA107S
	89-503-602-080		C-FET,2SK360E
	87-A30-234-080		TR,CSC4115BC
	87-026-463-080		TR,2SA933S (0.3W)
DIODE			
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-224-010		DIODE,GBU8DL
	87-A40-673-090		DIODE,D10XB20
	87-A40-269-080		C-DIODE,MC2836
	87-A40-270-080		C-DIODE,MC2838
	87-A40-784-080		ZENER,UZ39BSB
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-553-080		DIODE,1N4003 LES
	87-A40-488-080		DIODE,1SS244
	87-A40-234-080		ZENER,MTZJ5.6A
	87-A40-747-080		ZENER,UZ5.1BSB
	87-A40-646-010		DIODE,FMB-G16L
	87-A40-313-080		C-DIODE,MC2840
	87-A40-751-080		ZENER,UZ6.2BSB
	87-A40-745-080		ZENER,UZ4.7BSA
	87-A40-392-080		DIODE,1N5818-T
	87-A40-749-080		ZENER,UZ5.6BSB
	87-017-149-080		ZENER,HZS6A2L

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
MAIN C.B			
C11	87-A12-317-080		C-CAP,U 0.1-50 Z F
C12	87-A12-317-080		C-CAP,U 0.1-50 Z F
C13	87-A12-317-080		C-CAP,U 0.1-50 Z F
C14	87-A12-317-080		C-CAP,U 0.1-50 Z F
C15	87-A10-122-090		CAP,E 6800-65 VR
C16	87-A10-122-090		CAP,E 6800-65 VR
C19	87-016-035-090		CAP, E 6800-35 VR
C20	87-016-035-090		CAP, E 6800-35 VR
C31	87-A12-062-080		CAP,E 100-10 SMG
C32	87-012-286-080		C-CAP,U 0.01-25 K B
C33	87-A12-071-080		CAP,E 47-25 SMG
C34	87-A12-089-080		CAP,E 3.3-50 SMG
C35	87-012-286-080		C-CAP,U 0.01-25 KB
C36	87-A12-062-080		CAP,E 100-10 SMG
C37	87-A12-072-080		CAP,E 100-25 SMG
C38	87-A12-092-080		CAP,E 22-50 SMG
C39	87-A12-066-080		CAP,E 47-16 SMG
C40	87-A12-074-080		CAP,E 470-25 SMG
C113	87-012-195-080		C-CAP,U 100P-50CH
C114	87-012-195-080		C-CAP,U 100P-50CH
C117	87-A12-317-080		C-CAP,U 0.1-50 Z F
C118	87-A12-317-080		C-CAP,U 0.1-50 Z F
C127	87-A12-317-080		C-CAP,U 0.1-50 Z F
C131	87-A12-087-080		CAP,E 1-50 SMG
C132	87-A12-061-080		CAP,E 47-10 SMG
C133	87-A12-071-080		CAP,E 47-25 SMG
C301	87-012-188-080		C-CAP,U 47P-50 CH
C302	87-012-188-080		C-CAP,U 47P-50 CH
C303	87-012-336-080		C-CAP,U 330P-50 J SL
C304	87-012-336-080		C-CAP,U 330P-50 J SL
C305	87-012-336-080		C-CAP,U 330P-50 J SL
C306	87-012-336-080		C-CAP,U 330P-50 J SL
C307	87-010-759-080		C-CAP,U 0.1-25F
C311	87-010-787-080		CAP, U 0.022-25 K B
C312	87-010-787-080		CAP, U 0.022-25 K B
C313	87-012-276-080		C-CAP,U 1500P-50 B
C314	87-012-276-080		C-CAP,U 1500P-50 B
C315	87-012-274-080		CHIP CAP,U 1000P-50B
C316	87-012-274-080		CHIP CAP,U 1000P-50B
C317	87-A10-706-080		C-CAP,U 0.33U-16 F Z
C318	87-A10-706-080		C-CAP,U 0.33U-16 F Z
C319	87-A10-025-080		C-CAP,U 0.22-16Z F
C320	87-A10-025-080		C-CAP,U 0.22-16Z F
C321	87-A10-025-080		C-CAP,U 0.22-16Z F
C322	87-A10-025-080		C-CAP,U 0.22-16Z F
C324	87-A12-071-080		CAP,E 47-25 SMG
C325	87-A12-057-080		CAP,E 330-6.3 SMG
C327	87-A12-090-080		CAP,E 4.7-50 SMG
C328	87-A12-090-080		CAP,E 4.7-50 SMG
C332	87-010-759-080		C-CAP,U, 0.1-25F
C335	87-A12-087-080		CAP,E 1-50 SMG
C336	87-A12-087-080		CAP,E 1-50 SMG
C337	87-010-759-080		C-CAP,U 0.1-25F
C339	87-010-759-080		C-CAP,U 0.1-25F
C340	87-010-759-080		C-CAP,U 0.1-25F
C351	87-A10-039-080		C-CAP,U 470P-50 J CH
C352	87-A10-039-080		C-CAP,U 470P-50 J CH
C354	87-010-175-080		C-CAP,S 560P-50 J SL
C355	87-012-274-080		CHIP CAP,U 1000P-50B
C356	87-A12-071-080		CAP,E 47-25 SMG
C357	87-012-286-080		CAP, U 0.01-25
C358	87-012-279-080		C-CAP,U 2700P-50 B
C359	87-012-279-080		C-CAP,U 2700P-50 B
C360	87-012-279-080		C-CAP,U 2700P-50 B
C363	87-A12-361-080		CAP,M 5600P-100 J CP
C370	87-010-759-080		C-CAP,U, 0.1-25F
C371	87-012-271-080		C-CAP, U 560P-50
C372	87-012-271-080		C-CAP, U 560P-50
C373	87-012-275-080		C-CAP,U 1200P-50 B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C374	87-012-275-080		C-CAP,U 1200P-50 B
C375	87-A12-084-080		CAP,E 0.22-50 SMG
C376	87-A12-084-080		CAP,E 0.22-50 SMG
C378	87-010-759-080		C-CAP,U 0.1-25F
C381	87-012-286-080		CAP, U 0.01-25
C382	87-012-188-080		C-CAP,U 47P-50 CH
C383	87-012-286-080		CAP, U 0.01-25
C384	87-A12-088-080		CAP,E 2.2-50 SMG
C385	87-012-280-080		CAP, U 3300P-50
C386	87-010-759-080		C-CAP,U 0.1-25F
C388	87-012-199-080		C-CAP,U 220P-50 J CH
C501	87-A12-062-080		CAP,E 100-10 SMG
C502	87-010-759-080		C-CAP,U 0.1-25F
C503	87-A10-353-080		C-CAP,U 0.22-10KB
C504	87-A10-353-080		C-CAP,U 0.22-10KB
C505	87-A10-025-080		C-CAP,U 0.22-16Z F
C506	87-012-280-080		CAP, U 3300P-50
C507	87-010-986-080		C-CAP,S 820P-25 J CH
C508	87-A12-319-080		C-CAP,U 0.1-25 K B
C509	87-A12-319-080		C-CAP,U 0.1-25 K B
C510	87-012-280-080		CAP, U 3300P-50
C511	87-010-986-080		C-CAP,S 820P-25 J CH
C512	87-A10-025-080		C-CAP,U 0.22-16Z F
C513	87-A12-083-080		CAP,E 0.1-50 SMG
C514	87-A12-061-080		CAP,E 47-10 SMG
C515	87-A12-087-080		CAP,E 1-50 SMG
C516	87-A12-087-080		CAP,E 1-50 SMG
C517	87-012-279-080		C-CAP,U 2700P-50 B
C518	87-012-279-080		C-CAP,U 2700P-50 B
C531	87-A12-091-080		CAP,E 10-50 SMG
C532	87-010-759-080		C-CAP,U 0.1-25F
C533	87-010-759-080		C-CAP,U 0.1-25F
C534	87-012-199-080		C-CAP,U 220P-50 J CH
C535	87-012-274-080		CHIP CAP,U 1000P-50B
C536	87-010-759-080		C-CAP,U 0.1-25F
C537	87-012-188-080		C-CAP,U 47P-50 CH
C538	87-012-188-080		C-CAP,U 47P-50 CH
C539	87-012-188-080		C-CAP,U 47P-50 CH
C541	87-012-274-080		CHIP CAP,U 1000P-50B
C609	87-012-277-080		C-CAP, U 1800P-50 B
C610	87-012-277-080		C-CAP, U 1800P-50 B
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	87-012-286-080		C-CAP, U 0.01-25
C614	87-012-286-080		C-CAP, U 0.01-25
C615	87-A12-319-080		C-CAP, U 0.1-25 K B
C616	87-A10-260-080		C-CAP, U 0.1-16 K B
C617	87-010-829-080		C-CAP, U 0.047-16
C618	87-A12-087-080		CAP,E 1-50 SMG
C619	87-A12-062-080		CAP,E 100-10 SMG
C620	87-012-277-080		C-CAP, U 1800P-50 B
C622	87-A12-071-080		CAP,E 47-25 SMG
C623	87-A12-087-080		CAP,E 1-50 SMG
C624	87-A12-087-080		CAP,E 1-50 SMG
C626	87-A12-062-080		CAP,E 100-10 SMG
C627	87-A12-086-080		CAP,E 0.47-50 SMG
C628	87-A12-086-080		CAP,E 0.47-50 SMG
C629	87-A10-504-080		C-CAP,U 0.047-16 K B
C630	87-A10-504-080		C-CAP,U 0.047-16 K B
C631	87-012-281-080		C-CAP,U 3900P-50 B
C632	87-012-281-080		C-CAP,U 3900P-50 B
C634	87-010-759-080		C-CAP,U 0.1-25F
C635	87-A12-376-080		CAP,M 0.1-100 J CP
C636	87-A12-376-080		CAP,M 0.1-100 J CP
C637	87-A12-376-080		CAP,M 0.1-100 J CP
C638	87-A12-376-080		CAP,M 0.1-100 J CP
C639	87-A12-091-080		CAP,E 10-50 SMG
C641	87-A12-087-080		CAP,E 1-50 SMG
C642	87-A12-087-080		CAP,E 1-50 SMG
C643	87-010-831-080		C-CAP,U 0.1-16F
C644	87-A12-087-080		CAP,E 1-50 SMG
C645	87-A12-088-080		CAP,E 2.2-50 SMG
C646	87-A12-088-080		CAP,E 2.2-50 SMG
C671	87-012-195-080		C-CAP,U 100P-50CH
C672	87-012-195-080		C-CAP,U 100P-50CH
C673	87-012-286-080		CAP, U 0.01-25
C677	87-010-403-080		CAP, ELECT 3.3-50V
C678	87-010-403-080		CAP, ELECT 3.3-50V
C679	87-010-759-080		C-CAP,U 0.1-25F
C680	87-012-286-080		C-CAP,U 0.01-25
C682	87-010-759-080		C-CAP,U 0.1-25F
C699	87-012-195-080		C-CAP,U 100P-50CH
C771	87-A12-062-080		CAP,E 100-10 SMG
C772	87-012-286-080		CAP, U 0.01-25
C779	87-010-784-080		C-CAP,U 0.012-25 B
C780	87-010-784-080		C-CAP,U 0.012-25 B
C782	87-012-286-080		C-CAP, U 0.01-25
C783	87-012-286-080		C-CAP, U 0.01-25
C784	87-012-286-080		C-CAP, U 0.01-25
C785	87-012-286-080		C-CAP, U 0.01-25
C786	87-012-286-080		C-CAP, U 0.01-25
C788	87-A10-592-080		C-CAP,S 0.015-50 J B
C789	87-A10-592-080		C-CAP,S 0.015-50 J B
C790	87-016-116-080		C-CAP,U 0.015-25 J B CB
C791	87-010-831-080		C-CAP,U 0.1-16F
C792	87-012-286-080		C-CAP, U 0.01-25
C793	87-A12-090-080		CAP,E 4.7-50 SMG
C795	87-012-286-080		C-CAP, U 0.01-25
C796	87-012-286-080		C-CAP, U 0.01-25
C797	87-A12-091-080		CAP,E 10-50 SMG
C798	87-012-286-080		C-CAP, U 0.01-25
C799	87-A12-077-080		CAP,E 33-50 SMG
C800	87-010-829-080		C-CAP, U 0.047-16 F
C801	87-A12-089-080		CAP,E 3.3-50 SMG
C802	87-010-829-080		C-CAP, U 0.047-16 F
C803	87-010-787-080		C-CAP, U 0.022-25 B
C804	87-A12-062-080		CAP,E 100-10 SMG
C807	87-A12-086-080		CAP,E 0.47-50 SMG
C808	87-A12-087-080		CAP,E 1-50 SMG
C809	87-A12-087-080		CAP,E 1-50 SMG
C810	87-010-831-080		C-CAP,U 0.1-16F
C811	87-A12-089-080		CAP,E 3.3-50 SMG
C812	87-A12-089-080		CAP,E 3.3-50 SMG
C814	87-012-286-080		C-CAP, U 0.01-25
C815	87-A12-086-080		CAP,E 0.47-50 SMG
C816	87-A12-086-080		CAP,E 0.47-50 SMG
C821	87-A12-091-080		CAP,E 10-50 SMG
C823	87-010-986-080		C-CAP,S 820P-25 J CH
C824	87-A12-090-080		CAP,E 4.7-50 SMG
C825	87-A10-504-080		C-CAP,U 0.047-16 K B
C842	87-012-286-080		C-CAP, U 0.01-25 B
C844	87-012-286-080		C-CAP, U 0.01-25 B
C850	87-A12-071-080		CAP,E 47-25 SMG
C851	87-012-286-080		C-CAP, U 0.01-25 B
C852	87-012-286-080		C-CAP, U 0.01-25 B
C853	87-012-286-080		C-CAP, U 0.01-25 B
C858	87-010-831-080		C-CAP,U 0.1-16F
C901	87-018-145-080		CAP,TC-U 6.8P-50 CH
C904	87-012-286-080		C-CAP, U 0.01-25 B
C905	87-012-286-080		C-CAP, U 0.01-25 B
C907	87-012-286-080		C-CAP, U 0.01-25 B
C908	87-A10-915-080		C-CAP, U 1000P-25 J CH
C909	87-012-286-080		C-CAP, U 0.01-25 B
C910	87-012-174-080		C-CAP, U 12P-50 CH
C911	87-012-170-080		C-CAP, U 8P-50 D CH
C912	87-012-195-080		C-CAP, U 100P-50 J CH
C913	87-012-286-080		C-CAP, U 0.01-25 B
C914	87-012-165-080		CAP 3P
C915	87-012-174-080		C-CAP, U 12P-50 CH
C916	87-012-180-080		C-CAP, U 22P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C917	87-012-186-080		C-CAP, U 39P-50 CH
C918	87-A10-039-080		C-CAP, U 470P-50 J CH
C921	87-012-195-080		C-CAP, U 100P-50 CH
C922	87-012-174-080		C-CAP, U 12P-50 CH
C959	87-010-831-080		C-CAP,U 0.1-16F
C960	87-010-831-080		C-CAP,U 0.1-16F
C961	87-012-167-080		C-CAP,U 5P-50 CH
C963	87-015-785-080		C-CAP,0.1-25 Z F C3216
C971	87-A12-067-080		CAP,E 330-16 SMG
C972	87-A12-090-080		CAP,E 4.7-50 SMG
C973	87-012-286-080		C-CAP, U 0.01-25
C974	87-012-286-080		C-CAP, U 0.01-25
C979	87-012-195-080		C-CAP,U 100P-50CH
C981	87-A12-071-080		CAP,E 47-25 SMG
C982	87-010-831-080		C-CAP,U 0.1-16F
C983	87-012-286-080		C-CAP, U 0.01-25
C984	87-012-286-080		C-CAP, U 0.01-25
C987	87-012-286-080		C-CAP, U 0.01-25
C991	87-012-176-080		C-CAP,U 15P-50 CH
C992	87-012-176-080		C-CAP,U 15P-50 CH
C993	87-012-274-080		C-CAP,U 1000P-50B
C995	87-012-274-080		C-CAP,U 1000P-50B
C997	87-010-831-080		C-CAP,U 0.1-16F
C998	87-A12-071-080		CAP,E 47-25 SMG
C999	87-A11-155-080		CAP,TC U 0.01-16 Z F
CF831	87-008-261-010		FILTER,CF SFE10.7MA5-A
CF832	87-008-261-010		FILTER,CF SFE10.7MA5-A
CN11	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CN13	87-A61-109-010		CONN,7P V TID-A
CN131	87-A60-619-010		CONN,2P V 2MM JMT
CN132	8A-NHP-643-010		CONN ASSY,2P (FAN)ANHP-390
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-A60-131-010		CONN,6P V FE
CN607	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CNA13	8B-NF4-662-010		CONN ASSY,11P TID-AC
CNA102	8B-NF4-660-010		CONN ASSY,4P TID-A
CNA103	8A-NF8-655-010		CONN,7P V TID-A(250)
D902	87-A40-128-080		C-VARI-CAP,HVA202A
D903	87-A40-128-080		C-VARI-CAP,HVA202A
FB501	87-008-372-080		FILTER, EMI BL 01 RN1
FC602	88-906-481-110		FF-CABLE,6P 1.25 480MM
J101	87-A61-481-010		JACK,DIA6.3 BLK ST W/SW MSC16B
J102	87-A60-238-010		TERMINAL,SP 4P (MSC)
J105	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
J106	87-A61-157-010		JACK,PIN 2P R/W/BL V(SEPA) KM
J601	87-A60-885-010		JACK,PIN 6P R/W MSC
J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
L301	87-A50-625-010		COIL,TRAP 85KHZ (SANWA)
L302	87-A50-625-010		COIL,TRAP 85KHZ (SANWA)
L351	87-007-342-010		COIL,OSC 85KHZ BIAS
L801	87-A50-608-010		COIL,FM DET-N(TOK)
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
L811	87-005-847-080		COIL,2.2UH(CECS)
L821	87-A50-027-010		COIL,1POLE MPX(TOK)
L822	87-A50-027-010		COIL,1POLE MPX(TOK)
L832	87-005-847-080		COIL,2.2UH(CECS)
L902	88-ZA1-602-110		COIL,FM-RF-U2 2G
L903	88-ZA1-601-010		COIL,FM-RF-U1 2G
L904	87-005-847-080		COIL,2.2UH(CECS)
L905	88-ZA1-624-010		COIL,FM IFT 7-6.2(COILS)
L906	88-ZA1-603-010		COIL,FM-OSC-U 2G
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)
R101	87-A01-002-050		RES,270-1/2W J BLT2J
R102	87-A01-002-050		RES,270-1/2W J BLT2J
R103	87-A01-002-050		RES,270-1/2W J BLT2J
R104	87-A01-002-050		RES,270-1/2W J BLT2J
R790	87-012-286-080		C-CAP, U 0.01-25 B
R991	87-012-195-080		C-CAP,U 100P-50CH
R993	87-012-195-080		C-CAP,U 100P-50CH
R995	87-012-195-080		C-CAP,U 100P-50CH
SFR301	87-024-355-080		SFR,33K H EVN DJAA03
SFR302	87-024-355-080		SFR,33K H EVN DJAA03
SFR303	87-024-355-080		SFR,33K H EVN DJAA03
SFR304	87-024-355-080		SFR,33K H EVN DJAA03
SFR305	87-024-436-080		SFR,47K H RH063MC
SFR306	87-024-436-080		SFR,47K H RH063MC
SFR351	87-024-436-080		SFR,47K H RH063MC
SFR352	87-024-436-080		SFR,47K H RH063MC
WH11	87-A91-179-010		HLDR,WIRE 2.5-11P
WH101	87-A90-507-010		HLDR,WIRE 2.5-4P
X992	87-A70-306-010		VIB,XTAL 4.500MHZ CSA-309ST

FRONT C.B

C106	87-012-335-080		C-CAP,U 270P-50 SL
C110	87-012-286-080		C-CAP,U 0.01-25 K B
C112	87-015-696-040		CAP,E 2.2-50 M 7L SRA
C113	87-015-696-040		CAP,E 2.2-50 M 7L SRA
C121	87-010-757-080		C.CAP,U 0.047-25F
C122	87-010-757-080		C.CAP,U 0.047-25F
C141	87-012-274-080		C-CAP,U 1000P-50B
C142	87-012-199-080		C-CAP,U 220P-50 J CH
C151	87-012-274-080		CHIP CAP,U 1000P-50B
C152	87-012-199-080		C-CAP,U 220P-50 J CH
C156	87-010-405-040		CAP,E 10-50 SME
C157	87-012-268-080		C-CAP,U 330P-50 B
C161	87-015-694-040		CAP,E 0.47-50
C162	87-010-785-080		C-CAP,U 0.015-25 K B
C163	87-010-787-080		C-CAP,U 0.022-25
C170	87-010-759-080		C-CAP,U, 0.1-25F
C171	87-012-278-080		C-CAP,U 2200P-50 B
C172	87-010-264-040		CAP,E 100-10
C175	87-010-248-040		CAP,E 220-10 SME
C176	87-010-759-080		C-CAP,U 0.1-25F
C177	87-010-759-080		C-CAP,U 0.1-25F
C178	87-010-759-080		C-CAP,U 0.1-25F
C181	87-010-759-080		C-CAP,U 0.1-25F
C182	87-010-759-080		C-CAP,U 0.1-25F
C184	87-010-757-080		C.CAP,U 0.047-25F
C191	87-012-195-080		C-CAP,U 100P-50CH
C192	87-012-178-080		C-CAP,U 18P-50 CH
C193	87-A11-155-080		CAP,TC U 0.01-16 Z F
C340	87-010-176-080		C-CAP,S 680P-50 SL
C341	87-010-176-080		C-CAP,S 680P-50 SL
C342	87-010-176-080		C-CAP,S 680P-50 SL
C343	87-010-176-080		C-CAP,S 680P-50 SL
C344	87-010-176-080		C-CAP,S 680P-50 SL
C345	87-010-176-080		C-CAP,S 680P-50 SL
C346	87-010-176-080		C-CAP,S 680P-50 SL
C347	87-010-176-080		C-CAP,S 680P-50 SL
C348	87-010-176-080		C-CAP,S 680P-50 SL
C349	87-010-176-080		C-CAP,S 680P-50 SL
C350	87-010-176-080		C-CAP,S 680P-50 SL
C351	87-010-176-080		C-CAP,S 680P-50 SL
C352	87-010-176-080		C-CAP,S 680P-50 SL
C360	87-012-274-080		C-CAP,U 1000P-50B
C361	87-010-757-080		C.CAP,U 0.047-25F
C362	87-010-408-040		CAP,E 47-50 SME
C363	87-010-405-040		CAP,E 10-50 SME
C364	87-010-405-040		CAP,E 10-50 SME
C401	87-010-759-080		C-CAP,U 0.1-25F
C402	87-012-195-080		C-CAP,U 100P-50CH
C411	87-010-759-080		C-CAP,U 0.1-25F
C412	87-012-195-080		C-CAP,U 100P-50CH
C602	87-012-282-080		CAP, U 4700P-50
C603	87-010-112-040		CAP,E 100-16
C604	87-010-405-040		CAP,E 10-50
C605	87-010-546-040		CAP,E 0.33-50
C606	87-012-191-080		C-CAP,U 68P-50 J CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C608	87-012-268-080		C-CAP,U 330P-50 B
C610	87-010-759-080		C-CAP,U 0.1-25F
C621	87-012-274-080		C-CAP,U 1000P-50B
C801	87-010-986-080		C-CAP,S 820P-50 J CH
C802	87-012-272-080		C-CAP,U 680P-50 K B
C804	87-010-785-080		C-CAP,U 0.015-25 K B
C806	87-010-401-040		CAP,E 1-50 SME
C807	87-012-286-080		C-CAP,U 0.01-25 KB
C809	87-012-198-080		C-CAP,U 180P-50 J CH
C810	87-010-264-040		CAP,E 100-10
C811	87-010-406-040		CAP,E 22-50 SME
C812	87-010-405-040		CAP,E 10-50
C821	87-010-759-080		C-CAP,U 0.1-25 Z F
C833	87-012-195-080		C-CAP,U 100P-50CH
C901	87-010-544-040		CAP,E 0.1-50 SME
C901	87-010-544-040		CAP,E 0.1-50 SME
C902	87-A10-025-080		C-CAP,U 0.22-16Z F
C903	87-A10-025-080		C-CAP,U 0.22-16Z F
C904	87-012-188-080		C-CAP,U 47P-50 CH
C905	87-010-759-080		C-CAP,U 0.1-25F
C906	87-010-759-080		C-CAP,U 0.1-25F
CN101	87-099-720-010		CONN,30P TYK-B(P)
CN102	87-A60-058-010		CONN,10P V 9604S-10C
CN420	87-099-667-010		CONN,8P TUC-P8P-B1
CN430	87-099-565-010		CONN,6P TUC-P6P-B1
CN502	87-A60-059-010		CONN,08P V 9604S-08C
CN701	87-099-750-010		CONN,15P V 9604SC
FC102	88-910-471-110		FF-CABLE,10P 1.25
FC502	88-908-381-110		FF-CABLE,8P 1.25
FC701	88-915-221-110		FF-CABLE,15P 1.25 220MM
FL101	8B-NF4-615-010		FL,HNA-13LM01-BNF4
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
L191	87-A50-333-010		COIL,OSC 9.43MHZ
L601	87-003-098-080		COIL,2.2UH
L801	87-A50-093-010		COIL,CLOCK OSC 5.76MHZ
L802	87-003-098-080		COIL,2.2UH K LAL02
LED401	87-A41-056-040		LED,HLMF-D405 ORANGE
LED402	87-A41-056-040		LED,HLMF-D405 ORANGE
LED403	87-A41-056-040		LED,HLMF-D405 ORANGE
LED404	87-A41-056-040		LED,HLMF-D405 ORANGE
LED405	87-A41-056-040		LED,HLMF-D405 ORANGE
LED406	87-A41-056-040		LED,HLMF-D405 ORANGE
LED407	87-A41-056-040		LED,HLMF-D405 ORANGE
LED408	87-A41-056-040		LED,HLMF-D405 ORANGE
LED411	87-A41-056-040		LED,HLMF-D405 ORANGE
LED412	87-A41-056-040		LED,HLMF-D405 ORANGE
LED413	87-A41-056-040		LED,HLMF-D405 ORANGE
LED414	87-A41-056-040		LED,HLMF-D405 ORANGE
LED415	87-A41-056-040		LED,HLMF-D405 ORANGE
LED416	87-A41-056-040		LED,HLMF-D405 ORANGE
LED417	87-A41-056-040		LED,HLMF-D405 ORANGE
LED418	87-A41-056-040		LED,HLMF-D405 ORANGE
LED441	87-A41-056-040		LED,HLMF-D405 ORANGE
LED442	87-A41-056-040		LED,HLMF-D405 ORANGE
S211	87-A90-095-080		SW,TACT EVQ11G04M
S212	87-A90-095-080		SW,TACT EVQ11G04M
S213	87-A90-095-080		SW,TACT EVQ11G04M
S214	87-A90-095-080		SW,TACT EVQ11G04M
S215	87-A90-095-080		SW,TACT EVQ11G04M
S216	87-A90-095-080		SW,TACT EVQ11G04M
S217	87-A90-095-080		SW,TACT EVQ11G04M
S218	87-A90-095-080		SW,TACT EVQ11G04M
S219	87-A90-095-080		SW,TACT EVQ11G04M
S220	87-A90-095-080		SW,TACT EVQ11G04M
S221	87-A90-095-080		SW,TACT EVQ11G04M
S222	87-A90-095-080		SW,TACT EVQ11G04M
S223	87-A90-095-080		SW,TACT EVQ11G04M
S224	87-A90-095-080		SW,TACT EVQ11G04M
S225	87-A90-095-080		SW,TACT EVQ11G04M
S226	87-A90-095-080		SW,TACT EVQ11G04M
S227	87-A90-095-080		SW,TACT EVQ11G04M
S228	87-A90-095-080		SW,TACT EVQ11G04M
S229	87-A90-095-080		SW,TACT EVQ11G04M
S230	87-A90-095-080		SW,TACT EVQ11G04M
S231	87-A90-095-080		SW,TACT EVQ11G04M
S232	87-A90-095-080		SW,TACT EVQ11G04M
S233	87-A90-095-080		SW,TACT EVQ11G04M
S234	87-A90-095-080		SW,TACT EVQ11G04M
S235	87-A90-095-080		SW,TACT EVQ11G04M
S236	87-A90-095-080		SW,TACT EVQ11G04M
S237	87-A90-095-080		SW,TACT EVQ11G04M
S238	87-A90-095-080		SW,TACT EVQ11G04M
S239	87-A90-095-080		SW,TACT EVQ11G04M
S241	87-A90-095-080		SW,TACT EVQ11G04M
S242	87-A90-095-080		SW,TACT EVQ11G04M
S243	87-A90-095-080		SW,TACT EVQ11G04M
S244	87-A90-095-080		SW,TACT EVQ11G04M
S245	87-A90-095-080		SW,TACT EVQ11G04M
S246	87-A90-095-080		SW,TACT EVQ11G04M
S247	87-A90-095-080		SW,TACT EVQ11G04M
S248	87-A90-095-080		SW,TACT EVQ11G04M
S249	87-A90-095-080		SW,TACT EVQ11G04M
S250	87-A90-095-080		SW,TACT EVQ11G04M
S251	87-A90-095-080		SW,TACT EVQ11G04M
S252	87-A90-095-080		SW,TACT EVQ11G04M
S257	87-A90-095-080		SW,TACT EVQ11G04M
S258	87-A90-095-080		SW,TACT EVQ11G04M
SW141	87-A92-073-010		SW,RTRY EC12E24204-30MM
SW151	87-A92-074-010		SW,RTRY EC12E12204-30MM

AMP 1F C.B

C1	87-A10-712-080		C-CAP, S 0.22-50 Z F
C2	87-A10-712-080		C-CAP, S 0.22-50 Z F
C3	87-A10-712-080		C-CAP, S 0.22-50 Z F
C4	87-A10-712-080		C-CAP, S 0.22-50 Z F
C5	87-A11-729-080		C-CAP, S 0.47-25 Z F
C6	87-A11-729-080		C-CAP, S 0.47-25 Z F
C7	87-A11-729-080		C-CAP, S 0.47-25 Z F
C8	87-A11-729-080		C-CAP, S 0.47-25 Z F
C11	87-010-190-080		C-CAP, S 0.01-50 Z F
C12	87-010-759-080		C-CAP,U 0.1-25 Z F
C13	87-010-759-080		C-CAP,U 0.1-25 Z F
C14	87-010-190-080		C-CAP,S 0.01-25 Z F
C15	87-010-759-080		C-CAP,U 0.1-25 Z F
C16	87-010-759-080		C-CAP,U 0.1-25 Z F
C20	87-A12-068-080		CAP,E 470-16 SMG
C21	87-A12-089-080		CAP,E 3.3-50 SMG
C22	87-A10-301-080		CAP,M 0.033-50 J
C23	87-A12-085-080		CAP,E 0.33-50 SMG
C24	87-A12-086-080		CAP,E 0.47-50 SMG
C25	87-A12-086-080		CAP,E 0.47-50 SMG
C28	87-A12-085-080		CAP,E 0.33-50 SMG
C29	87-A10-301-080		CAP,M 0.033-50 J
C30	87-A12-069-080		CAP,E 22-25 SMG
C99	87-A12-089-080		CAP,E 3.3-50 SMG
C100	87-A12-089-080		CAP,E 3.3-50 SMG
C101	87-012-279-080		C-CAP,U 2700P-50 B
C102	87-012-279-080		C-CAP,U 2700P-50 B
C103	87-A10-303-080		CAP,M 0.047-50 J
C104	87-A10-303-080		CAP,M 0.047-50 J
C105	87-012-282-080		CAP, U 4700P-50
C106	87-012-282-080		CAP, U 4700P-50
C107	87-A12-090-080		CAP,E 4.7-50 SMG
C108	87-A12-090-080		CAP,E 4.7-50 SMG
C109	87-012-195-080		C-CAP,U 100P-50CH
C110	87-012-195-080		C-CAP,U 100P-50CH
C111	87-A12-071-080		CAP,E 47-25 SMG
C112	87-A12-071-080		CAP,E 47-25 SMG

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C113	87-012-167-080		C-CAP,U 5P-50 C CH
C114	87-012-167-080		C-CAP,U 5P-50 C CH
C115	87-010-986-080		C-CAP,S 820P-50 J CH
C116	87-010-986-080		C-CAP,S 820P-50 J CH
C117	87-A12-317-080		C-CAP,U 0.1-50 Z F
C118	87-A12-317-080		C-CAP,U 0.1-50 Z F
C119	87-010-956-080		C-CAP,S 0.068-25 K B
C120	87-010-956-080		C-CAP,S 0.068-25 K B
C121	87-A10-596-080		C-CAP,S 100P-100 J CH
C122	87-A10-596-080		C-CAP,S 100P-100 J CH
C123	87-A10-596-080		C-CAP,S 100P-100 J CH
C124	87-A10-596-080		C-CAP,S 100P-100 J CH
C161	87-A12-317-080		C-CAP,U 0.1-50 Z F
C200	87-A12-089-080		CAP,E 3.3-50 SMG
C201	87-012-279-080		C-CAP,U 2700P-50 B
C202	87-012-279-080		C-CAP,U 2700P-50 B
C203	87-A10-303-080		CAP,M 0.047-50 J
C204	87-A10-303-080		CAP,M 0.047-50 J
C205	87-012-282-080		CAP, U 4700P-50
C206	87-012-282-080		CAP, U 4700P-50
C207	87-A12-090-080		CAP,E 4.7-50 SMG
C208	87-A12-090-080		CAP,E 4.7-50 SMG
C209	87-012-195-080		C-CAP,U 100P-50CH
C210	87-012-195-080		C-CAP,U 100P-50CH
C211	87-A12-071-080		CAP,E 47-25 SMG
C212	87-A12-071-080		CAP,E 47-25 SMG
C213	87-012-167-080		C-CAP,U 5P-50CH
C214	87-012-167-080		C-CAP,U 5P-50CH
C215	87-010-986-080		C-CAP,S 820P-50 J CH
C216	87-010-986-080		C-CAP,S 820P-50 J CH
C217	87-A12-317-080		C-CAP,U 0.1-50 Z F
C218	87-A12-317-080		C-CAP,U 0.1-50 Z F
C219	87-010-956-080		C-CAP,S 0.068-25 K B
C220	87-010-956-080		C-CAP,S 0.068-25 K B
C221	87-A10-596-080		C-CAP,S 100P-100 J CH
C222	87-A10-596-080		C-CAP,S 100P-100 J CH
C223	87-A10-596-080		C-CAP,S 100P-100 J CH
C224	87-A10-596-080		C-CAP,S 100P-100 J CH
C300	87-A12-092-080		CAP,E 22-50 SMG
C301	87-012-282-080		C-CAP,U 4700P-50 K B
C302	87-012-282-080		C-CAP,U 4700P-50 K B
C303	87-010-866-080		CAP, ELECT 10-63
C304	87-010-866-080		CAP, ELECT 10-63
C305	87-010-759-080		C-CAP,U 0.1-25F
C307	87-A10-812-080		C-CAP,S 220P-200 J CH
C308	87-A10-812-080		C-CAP,S 220P-200 J CH
C407	87-A10-812-080		C-CAP,S 220P-200 J CH
C408	87-A10-812-080		C-CAP,S 220P-200 J CH
C517	87-010-190-080		C-CAP,S 0.01-50 Z F
C518	87-010-759-080		C-CAP,U 0.1-25 Z F
C519	87-010-759-080		C-CAP,U 0.1-25F
C522	87-010-190-080		C-CAP,S 0.01-50 Z F
C523	87-010-759-080		C-CAP,U 0.1-25F
C524	87-010-759-080		C-CAP,U 0.1-25F
CN12	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
CN102	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
CN104	87-A61-108-010		CONN,5P V TID-A
L11	87-A50-610-010		COIL,1UH K(MDEC)
L12	87-A50-610-010		COIL,1UH K(MDEC)
L513	87-A50-610-010		COIL,1UH K(MDEC)
L514	87-A50-610-010		COIL,1UH K(MDEC)
R157	87-A00-669-080		RES,M/F 0.22-2W J RA
R158	87-A00-669-080		RES,M/F 0.22-2W J RA
R159	87-A00-669-080		RES,M/F 0.22-2W J RA
R160	87-A00-669-080		RES,M/F 0.22-2W J RA
R161	87-A00-669-080		RES,M/F 0.22-2W J RA
R162	87-A00-669-080		RES,M/F 0.22-2W J RA
R163	87-A00-669-080		RES,M/F 0.22-2W J RA
R164	87-A00-669-080		RES,M/F 0.22-2W J RA
R257	87-A00-669-080		RES,M/F 0.22-2W J RA
R258	87-A00-669-080		RES,M/F 0.22-2W J RA
R259	87-A00-669-080		RES,M/F 0.22-2W J RA
R260	87-A00-669-080		RES,M/F 0.22-2W J RA
R261	87-A00-669-080		RES,M/F 0.22-2W J RA
R262	87-A00-669-080		RES,M/F 0.22-2W J RA
R263	87-A00-669-080		RES,M/F 0.22-2W J RA
R264	87-A00-669-080		RES,M/F 0.22-2W J RA
RY102	87-A91-686-010		RELAY, G5PA-28(OMRON)
TH101	87-A91-042-080		C-THMS,100K 55001
TH102	87-A91-042-080		C-THMS,100K 55001
TH201	87-A91-042-080		C-THMS,100K 55001
TH202	87-A91-042-080		C-THMS,100K 55001

PT C.B

	CN101	87-A61-122-010	CONN,11P V TID-A
⚠	F101	87-035-459-010	FUSE,5A 250V
⚠	F102	87-035-459-010	FUSE,5A 250V
⚠	FC101	87-033-147-010	CLAMP, FUSE
⚠	FC102	87-033-147-010	CLAMP, FUSE
⚠	FC103	87-033-147-010	CLAMP, FUSE
⚠	FC104	87-033-147-010	CLAMP, FUSE
⚠	PR102	87-026-682-080	PROTECTOR,10A 60V491
⚠	PR103	87-026-682-080	PROTECTOR,10A 60V491
⚠	PR106	87-026-682-080	PROTECTOR,10A 60V491
⚠	PR108	87-026-682-080	PROTECTOR,10A 60V491
⚠	PT101	8B-NF4-601-010	PT,LH ET105-60 BNF-4
⚠	PT103	8B-MA6-673-010	PT,SUB BMA H (VRK)
⚠	RY102	87-A91-300-010	RELAY,AC 12V-ALA2PF12
⚠	SW101	87-A90-165-010	SW,SL 1-2-3 SWS2301
⚠	T101	87-A60-317-010	TERMINAL, 1P MSC
⚠	T102	87-A60-317-010	TERMINAL, 1P MSC
	WH12	87-A90-459-010	HLDR,WIRE 2.5-5P

VM C.B

CN1	87-099-043-010	CONN 2P EH
CN2	87-A60-619-010	CONN,2P V 2MM JMT
CN3	87-A60-619-010	CONN,2P V 2MM JMT
CN6	87-A61-108-010	CONN,5P V TID-A
CNA12	8B-NF4-661-010	CONN ASSY,5P TID-A
WH13	87-A90-460-010	HLDR,WIRE 2.5-7P

CD KEY C.B

CN501	87-A60-079-010	CONN,08P H 9604S-08F
LED501	87-A41-055-040	LED,HLMF-K405 ORANGE
LED502	87-A41-055-040	LED,HLMF-K405 ORANGE
LED503	87-A41-055-040	LED,HLMF-K405 ORANGE
LED504	87-A41-055-040	LED,HLMF-K405 ORANGE
LED505	87-A41-055-040	LED,HLMF-K405 ORANGE
LED506	87-A41-055-040	LED,HLMF-K405 ORANGE
LED507	87-A41-055-040	LED,HLMF-K405 ORANGE
LED508	87-A41-055-040	LED,HLMF-K405 ORANGE
LED509	87-A41-055-040	LED,HLMF-K405 ORANGE
LED510	87-A41-055-040	LED,HLMF-K405 ORANGE
S501	87-A90-095-080	SW,TACT EVQ11G04M
S502	87-A90-095-080	SW,TACT EVQ11G04M
S503	87-A90-095-080	SW,TACT EVQ11G04M
S504	87-A90-095-080	SW,TACT EVQ11G04M
S505	87-A90-095-080	SW,TACT EVQ11G04M
S506	87-A90-095-080	SW,TACT EVQ11G04M
S507	87-A90-095-080	SW,TACT EVQ11G04M

DECK LED C.B

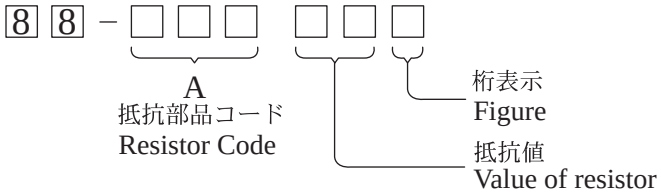
CN421	87-099-669-010	CONN,8P TUC-P8X-B1
LED181	87-A40-317-080	LED,SLR-342VCT31 RED
LED182	87-A40-317-080	LED,SLR-342VCT31 RED
LED421	87-A41-055-040	LED,HLMF-K405 ORANGE
LED422	87-A41-055-040	LED,HLMF-K405 ORANGE

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED423	87-A41-055-040		LED,HLMF-K405 ORANGE
LED424	87-A41-055-040		LED,HLMF-K405 ORANGE
LED425	87-A41-055-040		LED,HLMF-K405 ORANGE
LED426	87-A41-055-040		LED,HLMF-K405 ORANGE
LED427	87-A41-055-040		LED,HLMF-K405 ORANGE
LED428	87-A41-055-040		LED,HLMF-K405 ORANGE
LED429	87-A41-055-040		LED,HLMF-K405 ORANGE
LED430	87-A41-055-040		LED,HLMF-K405 ORANGE
FUNC LED C.B			
CN431	87-099-554-010		CONN,6P H TUC-P6X-B1
LED431	87-A41-055-040		LED,HLMF-K405 ORANGE
LED432	87-A41-055-040		LED,HLMF-K405 ORANGE
LED433	87-A41-055-040		LED,HLMF-K405 ORANGE
LED434	87-A41-055-040		LED,HLMF-K405 ORANGE
LED435	87-A41-055-040		LED,HLMF-K405 ORANGE
LED436	87-A41-055-040		LED,HLMF-K405 ORANGE
LED437	87-A41-055-040		LED,HLMF-K405 ORANGE
LED438	87-A41-055-040		LED,HLMF-K405 ORANGE
LED439	87-A41-055-040		LED,HLMF-K405 ORANGE
LED440	87-A41-055-040		LED,HLMF-K405 ORANGE

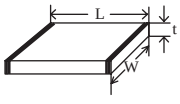
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
DECK C.B			
CON502	87-099-756-010		CONN,15P H 9604S F
SFR1	87-024-581-010		SFR,3.3K DIA6V KOA
SOL1	82-ZM3-621-110		SOL ASSY 27 KO
SOL2	82-ZM3-621-110		SOL ASSY 27 KO
SW1	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW2	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW3	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW4	87-036-110-010		PUSH SWITCH
SW5	87-036-110-010		PUSH SWITCH
SW6	87-036-110-010		PUSH SWITCH
SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW9	87-A90-248-010		SW,MICRO ESE11SH2CXQ
HEAD-1 C.B			
CON301	87-NF6-615-010		CONN ASSY,3P PB
HEAD-2 C.B			
CON351	87-NF6-616-010		CONN ASSY,8P RPB

○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



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) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
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

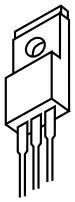
TRANSISTOR ILLUSTRATION

E C B

CDA1585BC
CSA952K
CSC4115BC
KTA1266GR
KTC3198GR

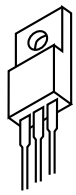
E C B

CC5551
2SA1981Y
2SA1979O/Y



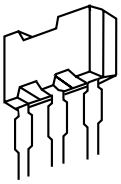
B C E

2SB1370
2SB1375
2SB1649
2SD2562
FN1016
FP1016



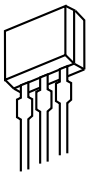
G D S

2SK3053



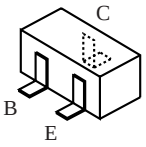
E C B

2SB1237Q



E C B

2SA933S



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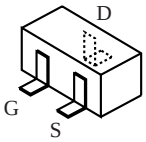
2SC2714O
2SC3052F
CMBT5401
CMBT5551
CSD1306E

DTA114EKA
DTA144EKA
DTA143EKA
DTC114EKA
KRA107S



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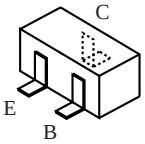

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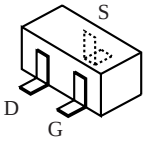
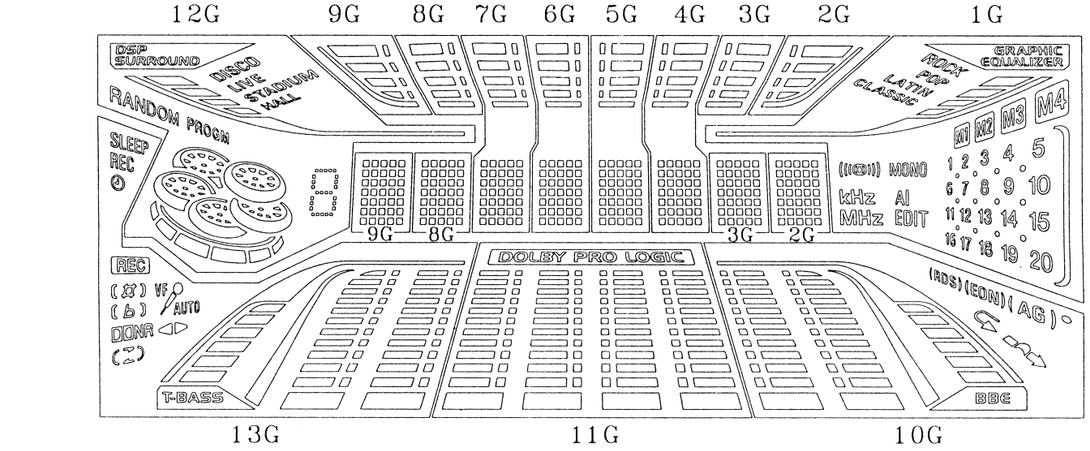
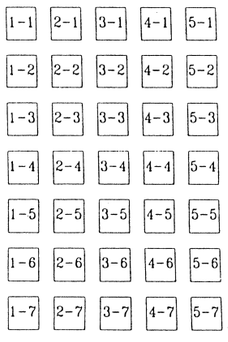


2SK360E

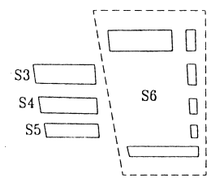
FL (HNA-13LM01-BNF4) GRID ASSIGNMENT / ANODE CONNECTION / PIN CONNECTION

GRID ASSIGNMENT

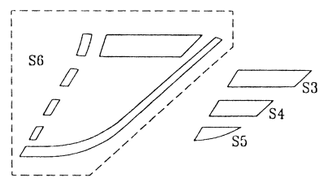




(2G - 9G)



(3G - 8G)



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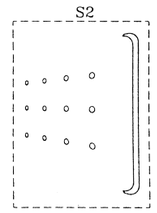
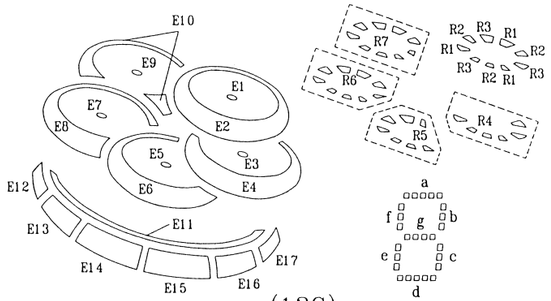
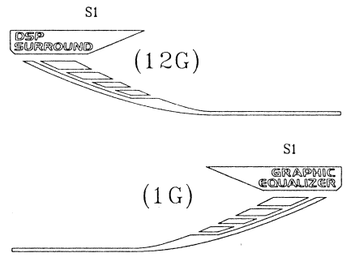
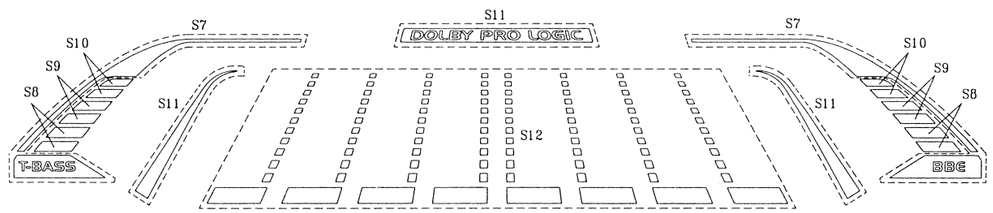


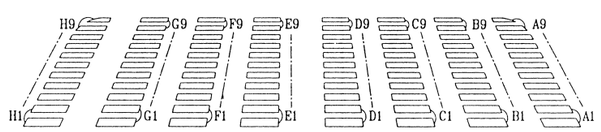
(1G)



(12G)







(10,11,13G)

ANODE CONNECTION

	13G	12G	11G	10G	2G - 9G	1G
P1	SLEEP	DISCO	S12	S12	S3	ROCK
P2	REC	LIVE	C1	A1	S4	POP
P3	⏻	STADIUM	D1	B1	S5	LATIN
P4	REC	WALL	E1	A2	S6	CLASSIC
P5	♯ ♭	S1	F1	B2	1-1	S1
P6	( ) (♯)	RANDOM	C2	A3	2-1	M4
P7	( ) (♭)	PROGM	D2	B3	3-1	M3
P8	VF	E1	E2	A4	4-1	M2
P9	AUTO	R1	F2	B4	5-1	M1
P10	DIONR	R2	C3	A5	1-2	S2
P11	◁	R3	D3	B5	2-2	1
P12	▷	E2	E3	A6	3-2	2
P13	☾	E9	F3	B6	4-2	3
P14	♫	R7	C4	A7	5-2	4
P15	☽	E10	D4	B7	1-3	5
P16	S12	E3	E4	A8	2-3	6
P17	G1	R4	F4	B8	3-3	7
P18	H1	E4	C5	A9	4-3	8
P19	G2	E7	D5	B9	5-3	9
P20	H2	R6	E5	S11	1-4	10
P21	G3	E8	F5	S10	2-4	11

	13G	12G	11G	10G	2G - 9G	1G
P22	H3	E5	C6	S9	3-4	12
P23	G4	R5	D6	S8	4-4	13
P24	H4	E6	E6	S7	5-4	14
P25	G5	E11	F6	↘	1-5	15
P26	H5	E12	C7	↖	2-5	16
P27	G6	E13	D7	○	3-5	17
P28	H6	E14	E7	AG	4-5	18
P29	G7	E15	F7	( )	5-5	19
P30	H7	E16	C8	EON	1-6	20
P31	G8	E17	D8	( )	2-6	MONO
P32	H8	a	E8	RDS	3-6	((◉))
P33	G9	b	F8	( )	4-6	AI
P34	H9	f	C9	–	5-6	EDIT
P35	S11	g	D9	–	1-7	kHz
P36	S10	c	E9	–	2-7	MHz
P37	S9	e	F9	–	3-7	–
P38	S8	d	S11	–	4-7	–
P39	S7	–	–	–	5-7	–

PIN CONNECTION

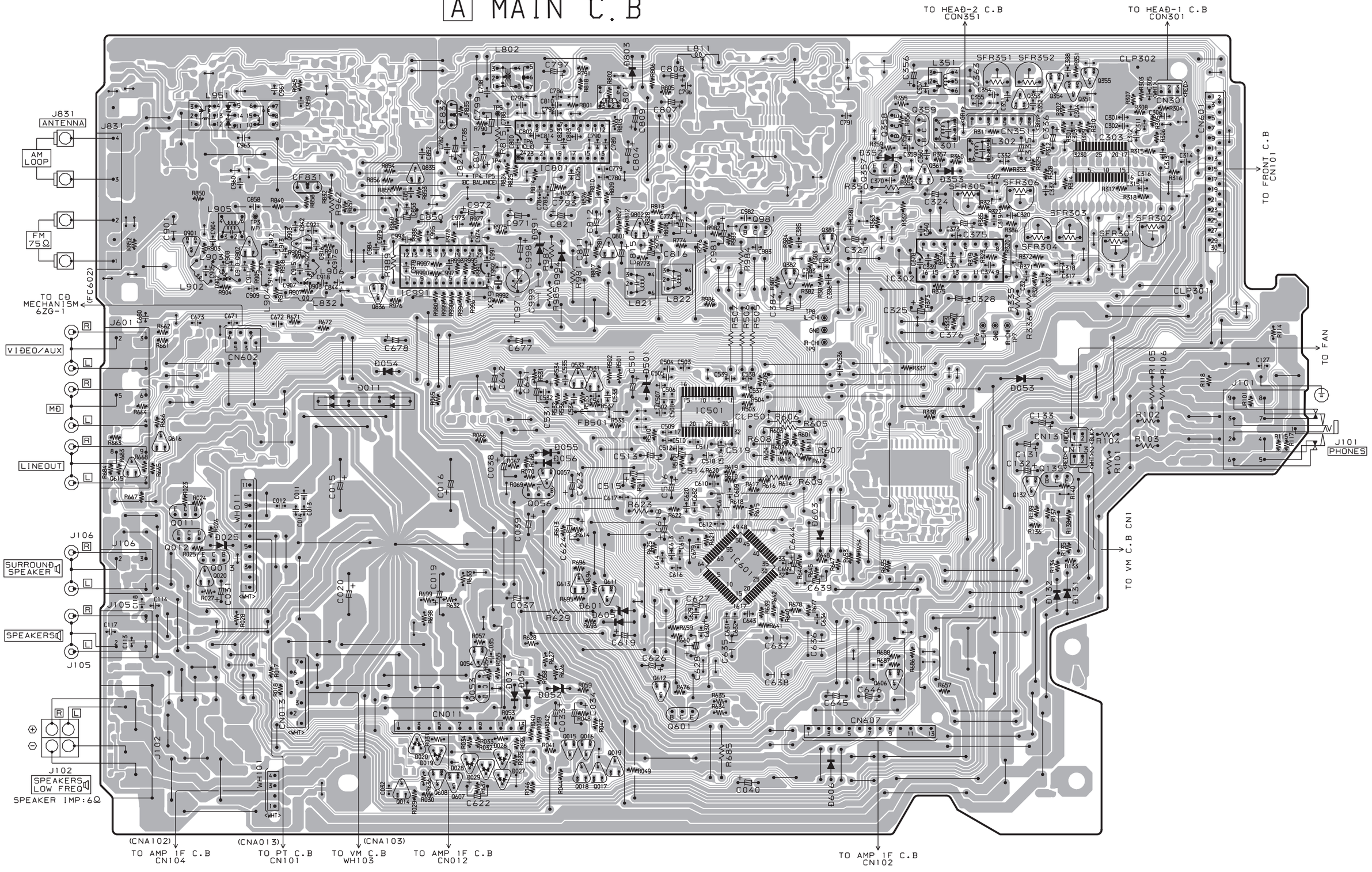
PIN NO.	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P34	P33	P32	P31	P30	P29	P28	P27	P26	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F1	F1	F1	F1

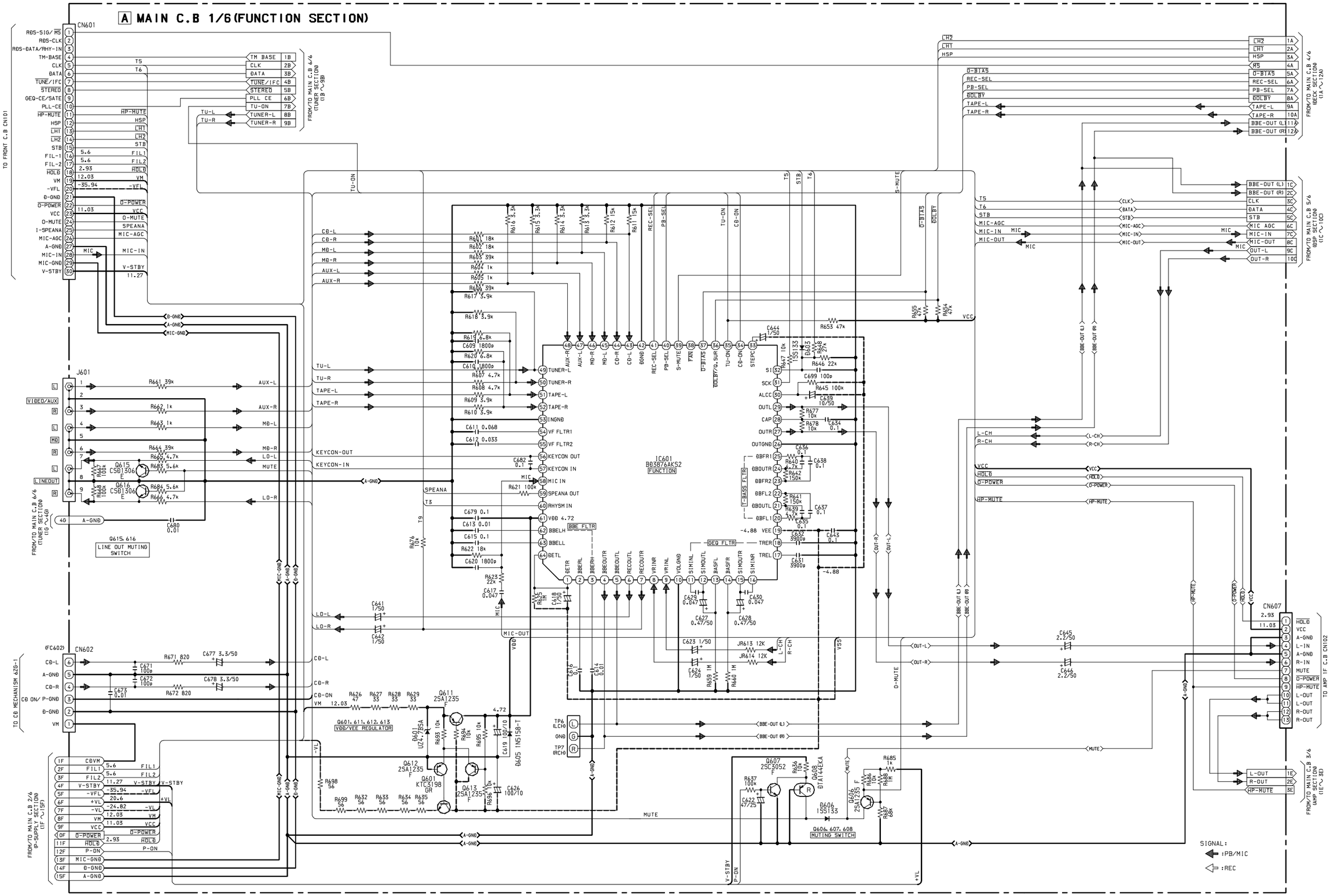
68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
F2	F2	F2	F2	NP	NP	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NC	NC	NC	NC	P39	P38	P37	P36	P35

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

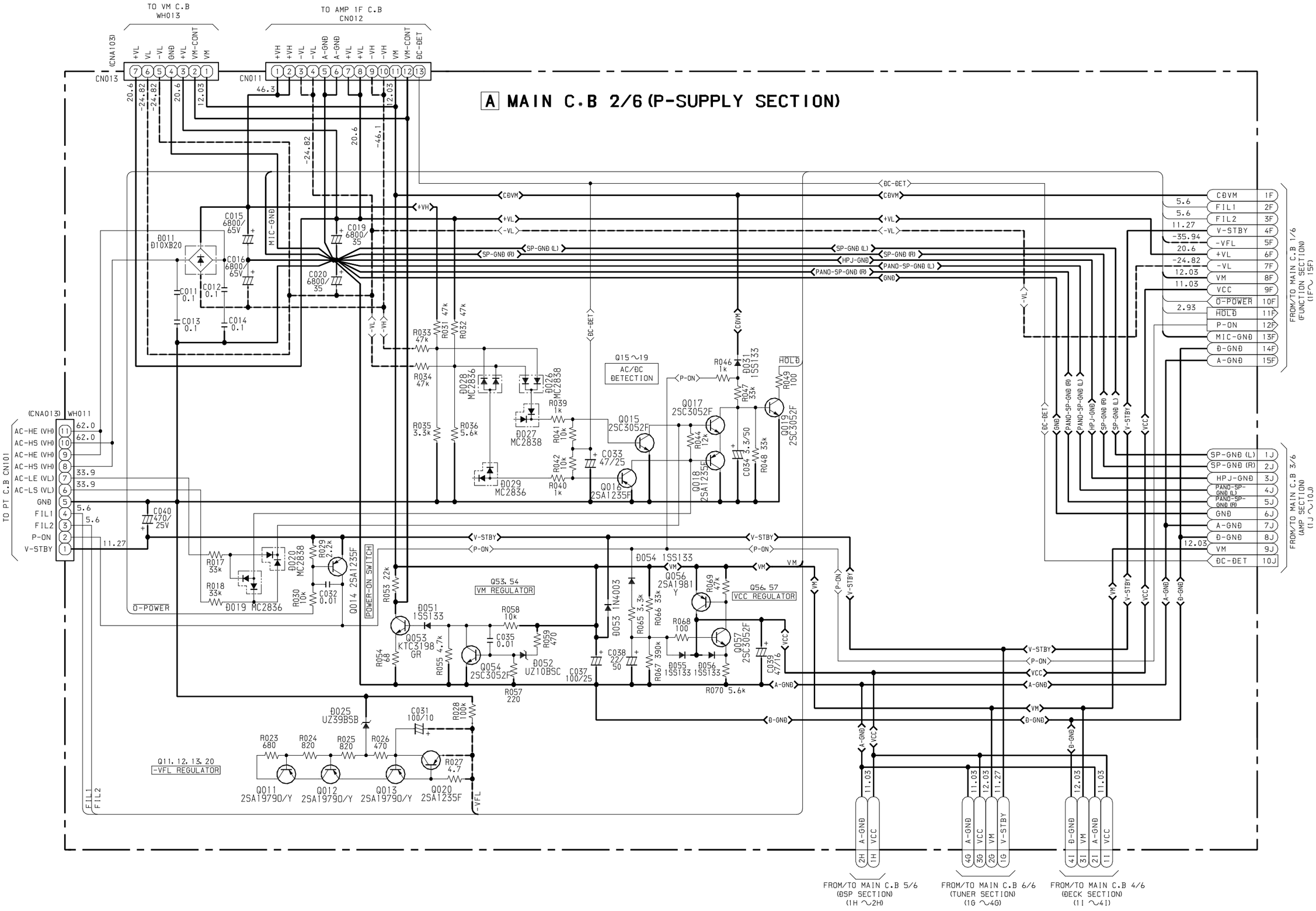
A B C D E F G H I J K L M N O P Q R S T U

A MAIN C.B

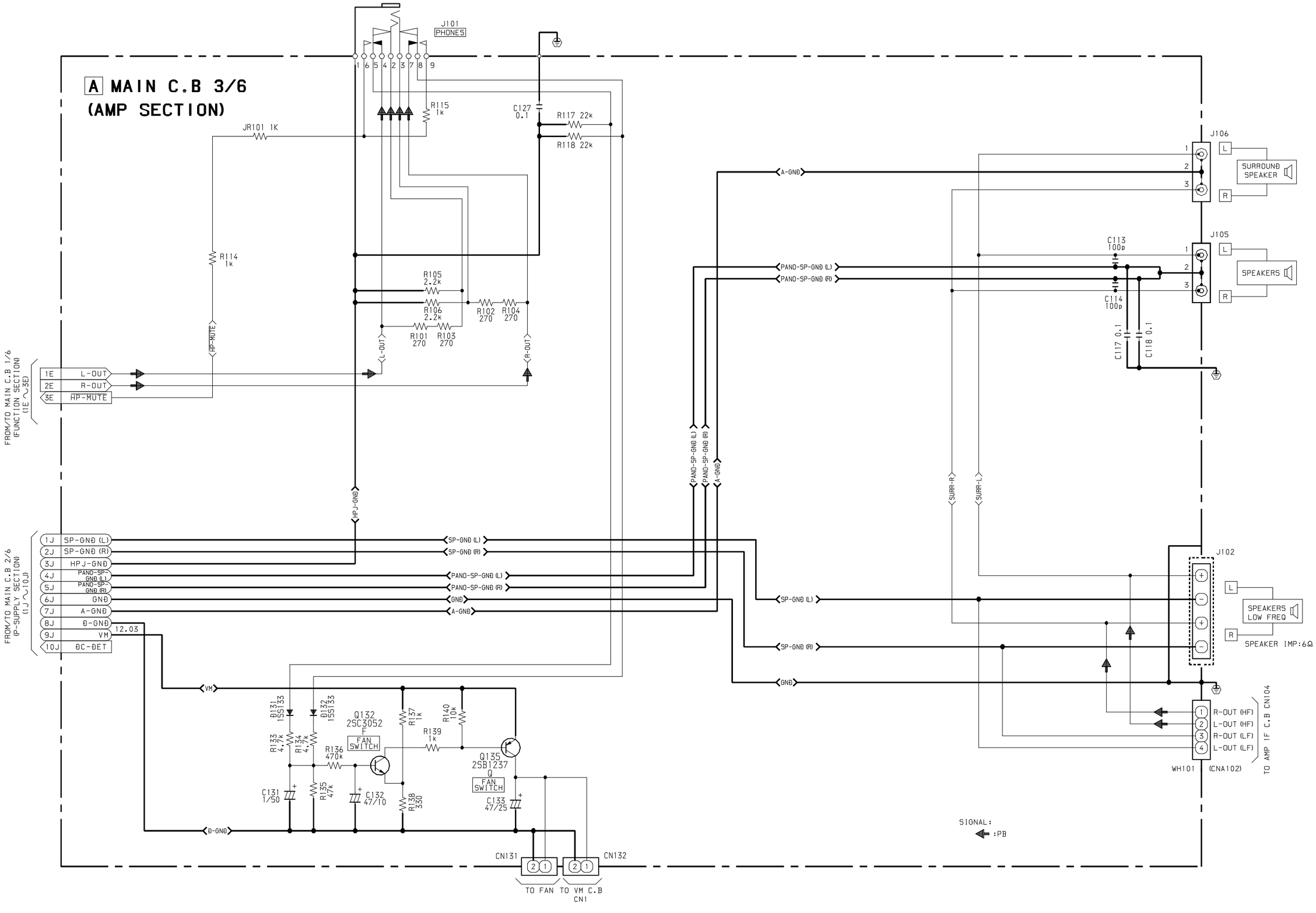



A MAIN C.B 1/6(FUNCTION SECTION)
CN601
TO FRONT C.B CN101
RDS-SIG/MS
RDS-CLK
RDS-DATA/RHY-IN
TM-BASE
CLK
DATA
TUNE/IFC
STEREO
QEQ-CE/SATE
PLL-CE
HP-MUTE
HSP
LHT
LHZ
STB
FIL-1
FIL-2
HOLB
VM
-VFL
D-GND
D-POWER
VCC
D-MUTE
I-SPEANA
MIC-AGC
A-GND
MIC-IN
MIC-GND
V-STBY
FROM/TO MAIN C.B 6/6 (TUNER SECTION) (1B ~ 9B)
TM BASE 1B
CLK 2B
DATA 3B
TUNE/IFC 4B
STEREO 5B
PLL CE 6B
TU-ON 7B
TUNER-L 8B
TUNER-R 9B
TU-L
TU-R
HP-MUTE
HSP
LHT
LHZ
STB
FIL1
FIL2
HOLB
VM
-VFL
D-POWER
VCC
D-MUTE
SPEANA
MIC-AGC
MIC-IN
V-STBY
11.27
11.03
-35.94
5.6
2.93
12.03
J601
VIDEO/AUX
LINEOUT
R661 39k
R662 1k
R663 1k
R664 39k
R665 4.7k
R666 4.7k
R683 5.6k
R684 5.6k
Q615 2SD1306 E
Q616 2SD1306 E
AUX-L
AUX-R
MB-L
MB-R
LO-L
LO-R
MUTE
C680 0.01
Q615, 616 LINE OUT MUTING SWITCH
FROM/TO MAIN C.B 6/6 (TUNER SECTION) (1G ~ 4G)
TU-ON
CB-L
CB-R
MB-L
MB-R
AUX-L
AUX-R
R601 18k
R602 18k
R603 39k
R604 1k
R605 1k
R606 39k
R617 3.9k
R618 3.9k
R619 6.8k
C609 1800p
R620 6.8k
C610 1800p
R607 4.7k
R608 4.7k
R609 3.9k
R610 3.9k
C611 0.068
C612 0.033
C682 0.1
C679 0.1
C613 0.01
C615 0.1
R622 18k
C620 1800p
R623 22k
C617 0.047
R621 100k
R615 3.3k
R614 3.3k
R613 3.3k
R612 15k
R611 15k
REC-SEL
PB-SEL
TU-ON
CD-ON
S-MUTE
T5
STB
T6
D-BIAS
BOLBY
R655 47k
R654 47k
VCC
C644 1/50
IC601 BD3876AKS2 FUNCTION
TUNER-L
TUNER-R
TAPE-L
TAPE-R
INGND
VF FLTR1
VF FLTR2
KEYCON OUT
KEYCON IN
MIC IN
SPEANA OUT
RHYSM IN
VDD 4.72
BBELH
BBELL
BETL
BBE FLTR
R676 10k
T3
T9
SPEANA
MIC
C641 1/50
C642 1/50
LO-L
LO-R
MIC-OUT
VBB
C618 1/50
R625 47k
C616 0.01
C614 0.01
C623 1/50
C624 1/50
JR613 12K
JR614 12K
R659 1M
R660 1M
L-CH
R-CH
C629 0.047
C627 0.47/50
C630 0.047
C628 0.47/50
GEQ FLTR
C-BASS FLTR
R647 10k
R646 22k
C699 100p
R645 100k
C639 10/50
R677 10k
R678 10k
C634 0.1
C636 0.1
R643 2.7k
C638 0.1
R642 150k
R641 150k
C637 0.1
R639 2.7k
C635 0.1
C632 3900p
C643 0.1
C631 3900p
-4.88
OUTL
CAP
OUTR
OUTGND
DBFR1
DBOUTR
DBFR2
DBFL2
DBOUTL
DBFL1
VEE
TRER
TREL
OUT-L
OUT-R
D-MUTE
C645 2.2/50
C646 2.2/50
BBE-OUT (L)
BBE-OUT (R)
CLK
DATA
STB
MIC AGC
MIC-IN
MIC-OUT
OUT-L
OUT-R
FROM/TO MAIN C.B 4/6 (TUNER SECTION) (1A ~ 12A)
FROM/TO MAIN C.B 5/6 (DSP SECTION) (1C ~ 10C)
MIC
C644 1/50
S5L133
D603 MA8068 27V
R655 47k
R647 10k
R646 22k
C699 100p
R645 100k
C639 10/50
R677 10k
R678 10k
C634 0.1
C636 0.1
R643 2.7k
C638 0.1
R642 150k
R641 150k
C637 0.1
R639 2.7k
C635 0.1
C632 3900p
C643 0.1
C631 3900p
-4.88
C645 2.2/50
C646 2.2/50
CN607
2.93
11.03
HOLD
VCC
A-GND
L-IN
R-IN
MUTE
D-POWER
HP-MUTE
L-OUT
R-OUT
TO AMP I/F C.B CN102
FROM/TO MAIN C.B 3/6 (AMP SECTION) (1E ~ 3E)
L-OUT
R-OUT
HP-MUTE
(FC602)
CN602
TO CD MECHANISM 426-1
CB-L
A-GND
CB-R
CB ON/ P-GND
D-GND
VM
R671 820
R672 820
C677 3.3/50
C678 3.3/50
C671 100p
C672 100p
C673 0.01
CB-ON
R626 47
R627 33
R628 33
R629 33
Q611 2SA1235 F
Q601, 611, 612, 613 VDD/VEE REGULATOR
Q601 UZ4.7BSA
R693 10k
R694 10k
R695 10k
C619 100/10
D605 1N5158-T
4.72
Q612 2SA1235 F
Q601 KTC5198 GR
Q613 2SA1235 F
R698 56
R699 56
R632 56
R633 56
R634 56
R635 56
R696 10k
C626 100/10
-VL
+VL
TP6 (LCH)
GND
TP7 (RCH)
FROM/TO MAIN C.B 2/6 (P-SUPPLY SECTION) (1F ~ 15F)
CBVM
FIL1
FIL2
V-STBY
-VFL
+VL
-VL
VM
VCC
D-POWER
HOLD
P-ON
MIC-GND
D-GND
A-GND
5.6
11.27
-35.94
20.6
-24.82
12.03
11.03
2.93
Q607 2SC3052 F
Q608 DTA144EKA
Q606 1SS133
Q606, 607, 608 MUTING SWITCH
R637 100k
C622 47/25
R636 10k
R685 1M
R686 10k
R687 68k
Q606 2SA1235 F
SIGNAL:
:PB/MIC
:REC

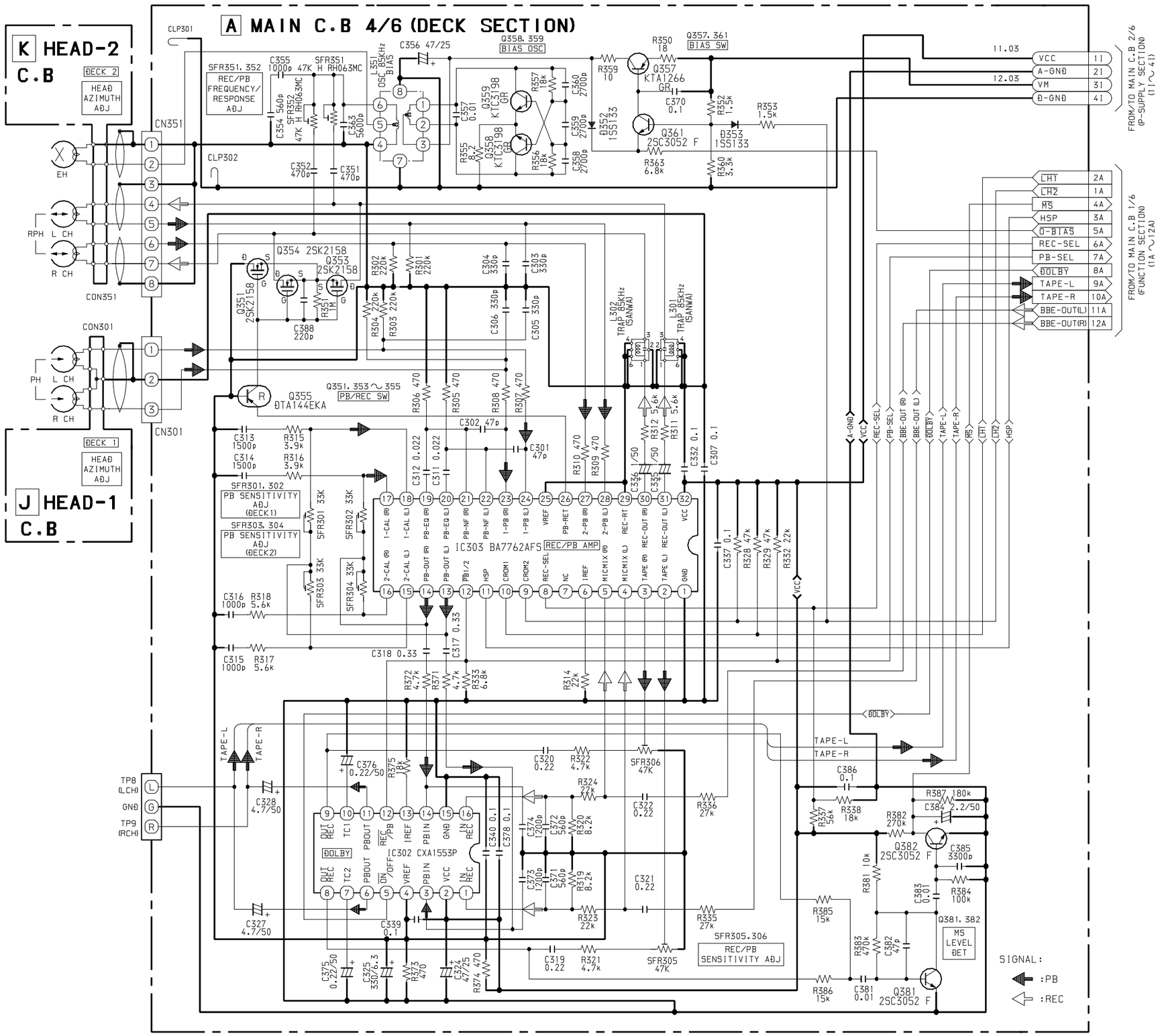
SCHEMATIC DIAGRAM – 2 (MAIN 2/6) <P-SUPPLY SECTION>

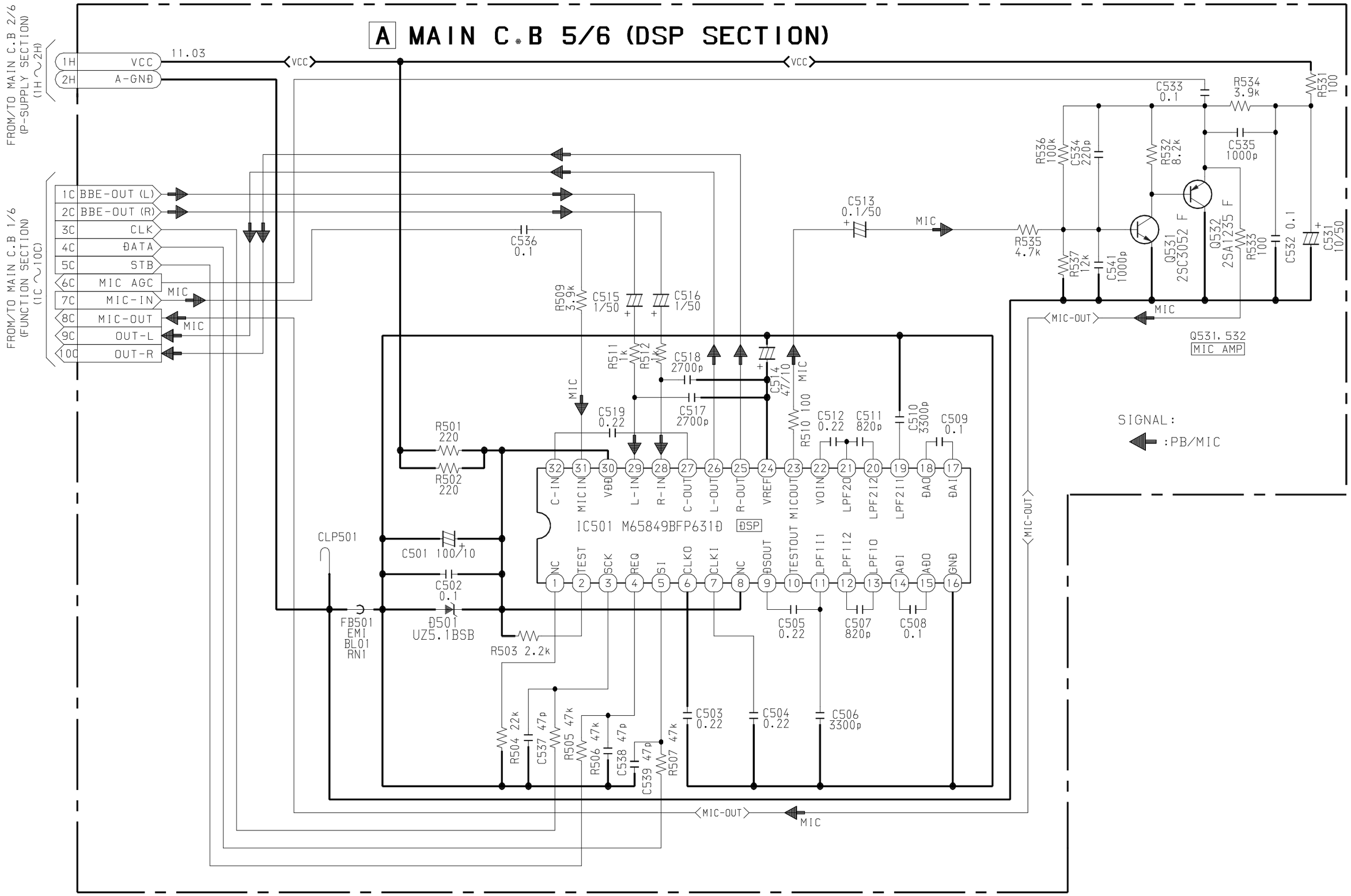


SCHEMATIC DIAGRAM – 3 (MAIN 3/6) <AMP SECTION>

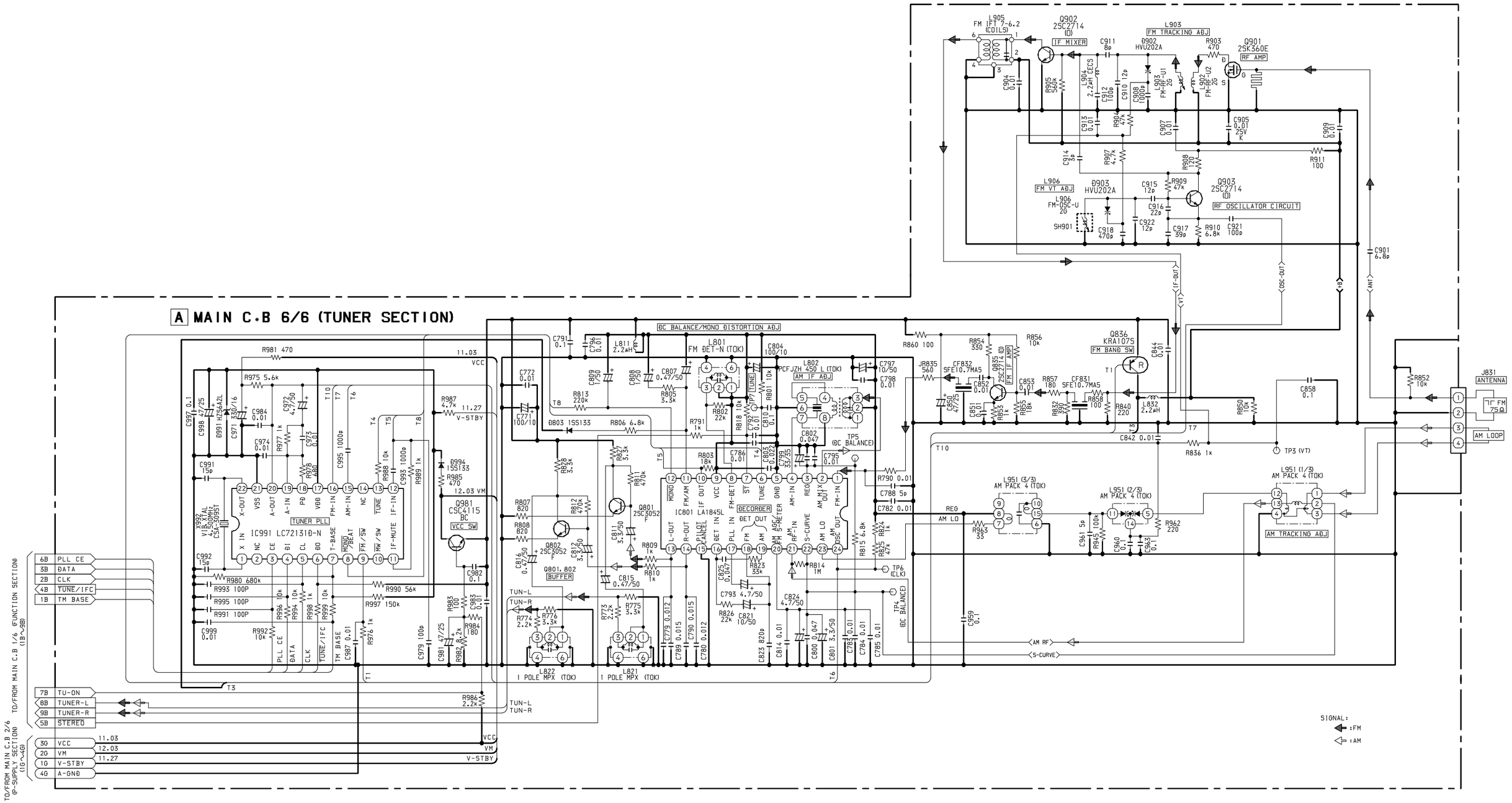


SCHEMATIC DIAGRAM – 4 (MAIN 4/6) <DECK SECTION / HEAD-1 / HEAD-2>




A MAIN C.B 5/6 (DSP SECTION)
FROM/TO MAIN C.B 2/6 (P-SUPPLY SECTION) (1H ~ 2H)
1H VCC
2H A-GND
11.03
VCC
FROM/TO MAIN C.B 1/6 (FUNCTION SECTION) (1C ~ 10C)
1C BBE-OUT (L)
2C BBE-OUT (R)
3C CLK
4C DATA
5C STB
6C MIC AGC
7C MIC-IN
8C MIC-OUT
9C OUT-L
10C OUT-R
MIC
C536 0.1
R509 3.9k
C515 1/50
C516 1/50
C513 0.1/50
R535 4.7k
R536 100k
C534 220p
R532 8.2k
C533 0.1
R534 3.9k
C535 1000p
R531 100
R537 12k
C541 10000p
Q531 2SC3052 F
Q532 2SA1235 F
R533 100
C532 0.1
C531 10/50
MIC-OUT
Q531, 532 MIC AMP
SIGNAL:
:PB/MIC
R511 1k
R512 1k
C518 2700p
C517 2700p
C514 47/10
R510 100
C519 0.22
C512 0.22
C511 820p
C510 3300p
C509 0.1
R501 220
R502 220
IC501 M65849BFP631D DSP
C-IN MIC IN VDD L-IN R-IN C-OUT L-OUT R-OUT VREF MICOUT VOIN LPF20 LPF212 LPF211 DAO DAI
NC TEST SCK REQ SI CLKO CLKI NC DSOUT TESTOUT LPF111 LPF112 LPF10 ADI ADO GND
CLP501
C501 100/10
C502 0.1
FB501 EMI BL01 RN1
D501 UZ5.1BSB
R503 2.2k
C505 0.22
C507 820p
C508 0.1
R504 22k
C537 47p
R505 47k
R506 47k
C538 47p
C539 47p
R507 47k
C503 0.22
C504 0.22
C506 3300p
MIC-OUT
MIC

SCHEMATIC DIAGRAM – 6 (MAIN 6/6) <TUNER SECTION>



32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

B FRONT C.B

TO ĐECK C.B CON502 (FC701)

TO CĐ MECHANISM 6ZG-1 (FC102)

FL101 ĐISPLAY

TO ĐECK LEĐ C.B CN421

S207 POWER⏻ STANĐBY ION

S211 ▮▮SET

S212 ■CLEAR

S213 ◀▶ĐIRECTION/ PRESET

TO FUNC LEĐ C.B CN431

S215,LEĐ441 ▶▶/▶▶▮ TUNING UP

S214,LED442 ◀◀/▮◀◀ TUNING ĐOWN

J602 MIC 1

J601 MIC 2

S221 TAPE ĐECK 1/2

S222 TUNER/BANĐ

S223 VIĐEO/AUX

S224 CĐ

TO MAIN C.B CN601

S227 FREQ HIGH

S226 FREQ LOW

S225 MĐ

S242 ENTER

S228 BEAT

S237 RHYTHM

S243 TIMER

S238 AUTO SPICE/ FILL IN

S244 CLOCK

S239 SPICE B

S245 SPICE A

(FC502)

TO CĐ KEY C.B CN501

SW141 VOLUME

S218 ĐEMO

S217 ECHO

S216 MIC 1, 2 JACKS

S219 T-BASS

LEĐ401∽404 VOL 1 LEĐ

S220 BBE

LEĐ405∽408 VOL 2 LEĐ

S223 ECO

S232 HALL

S231 STAĐIUM

S230 LIVE

S229 ĐISCO

ĐIGITAL SIGNAL PROCESSOR

S257 PRGM/MANU

S258 CLASSIC

S234 LATIN

S235 POP

S236 ROCK

GRAPHIC EQUALIZER

S250 SYNC ĐUB NORM/HIGH

S247 ●REC/REC MUTE

S252 KARAOKE

S251 ĐOLB NR

S249 REV MOĐE (ĐECK 2)

S248 CĐ EĐIT/ CHECK

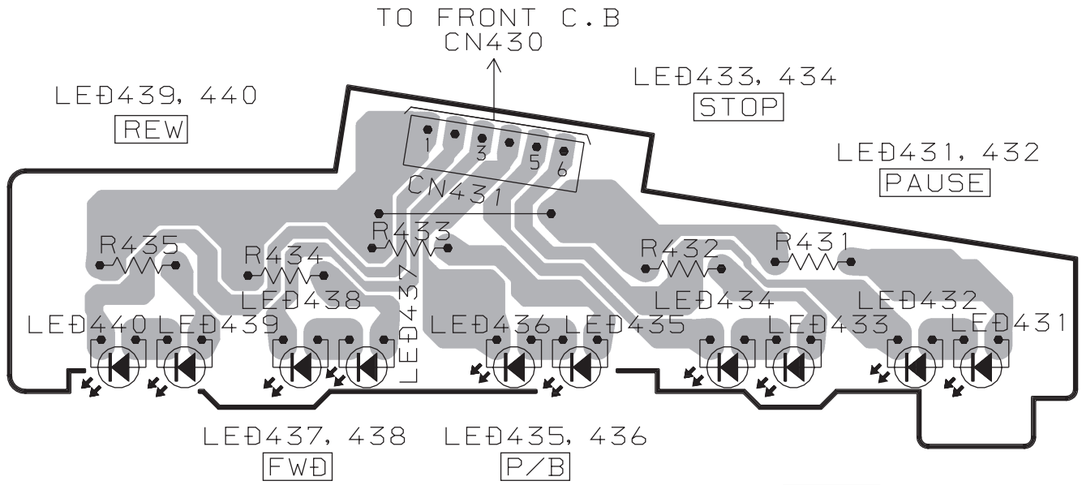
S246 CĐ BLANK SKIP

SW151 MULTI JOG

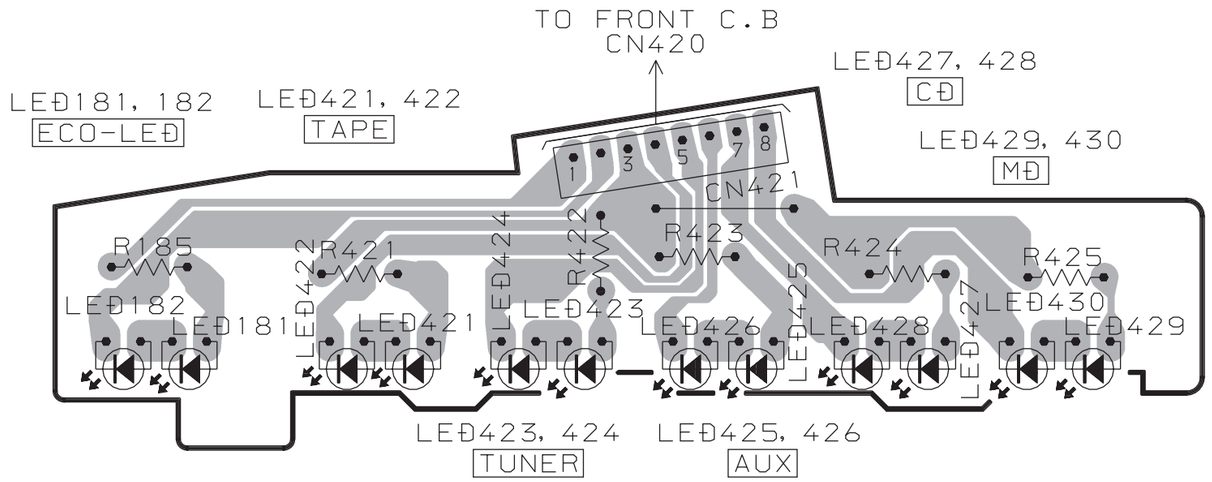
LEĐ411∽414 JOG 2 LEĐ

LEĐ415∽418 JOG 1 LEĐ

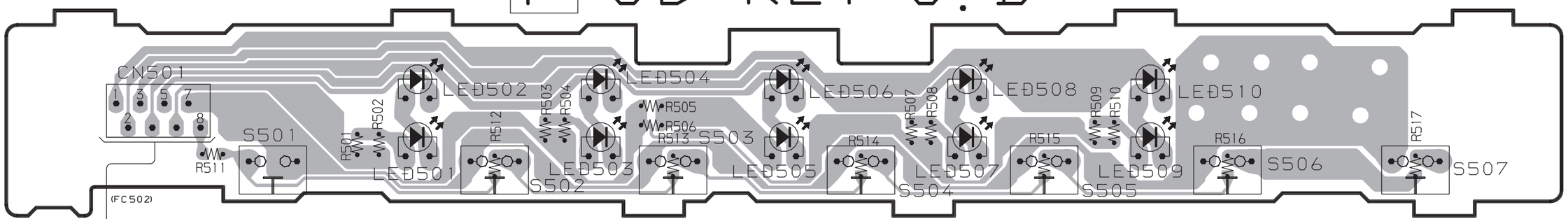
H FUNC LEÐ C.B



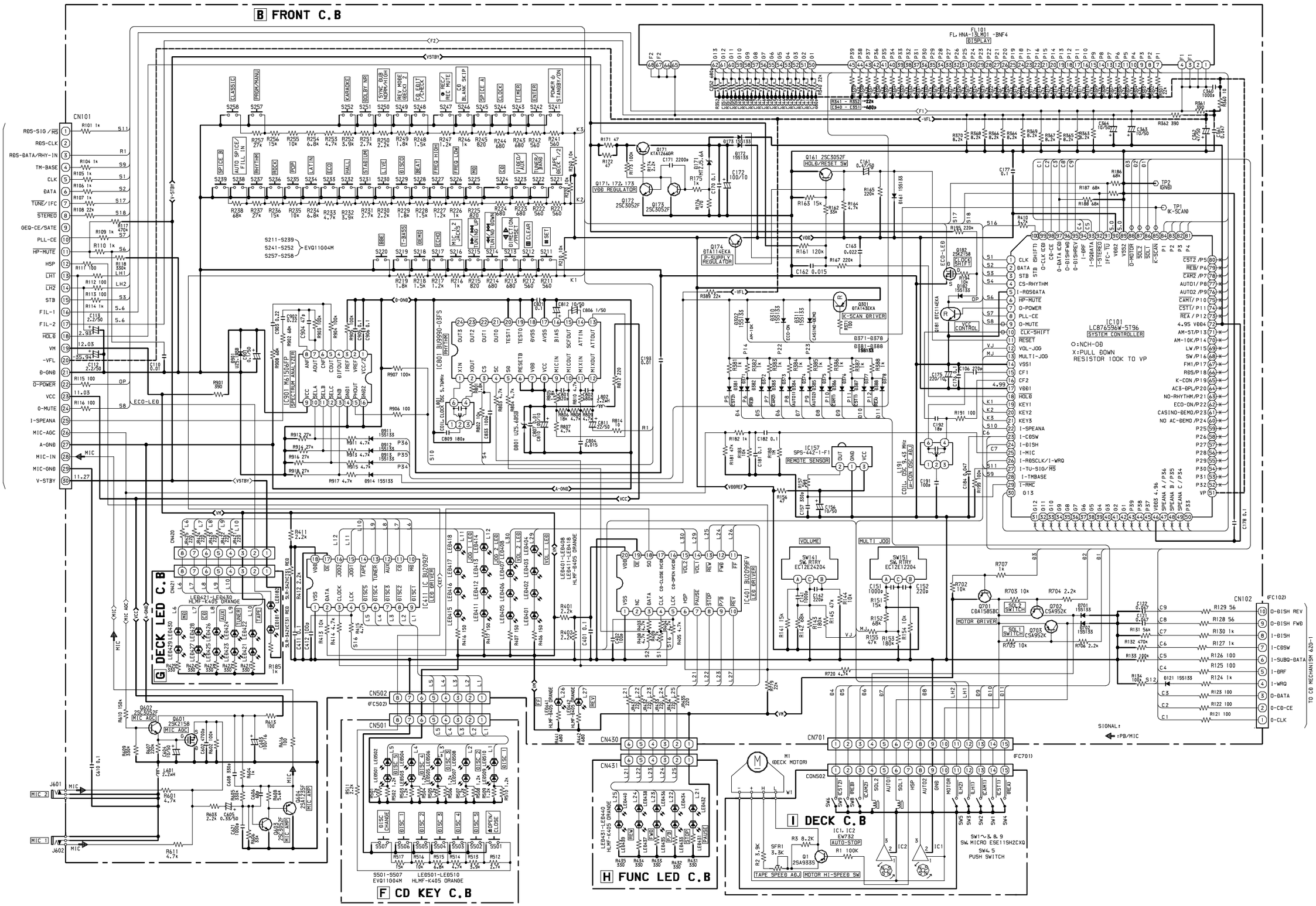
G ÐECK LEÐ C.B



F CÐ KEY C.B



SCHEMATIC DIAGRAM – 7 (FRONT / CD KEY / DECK LED / FUNC LED / DECK)



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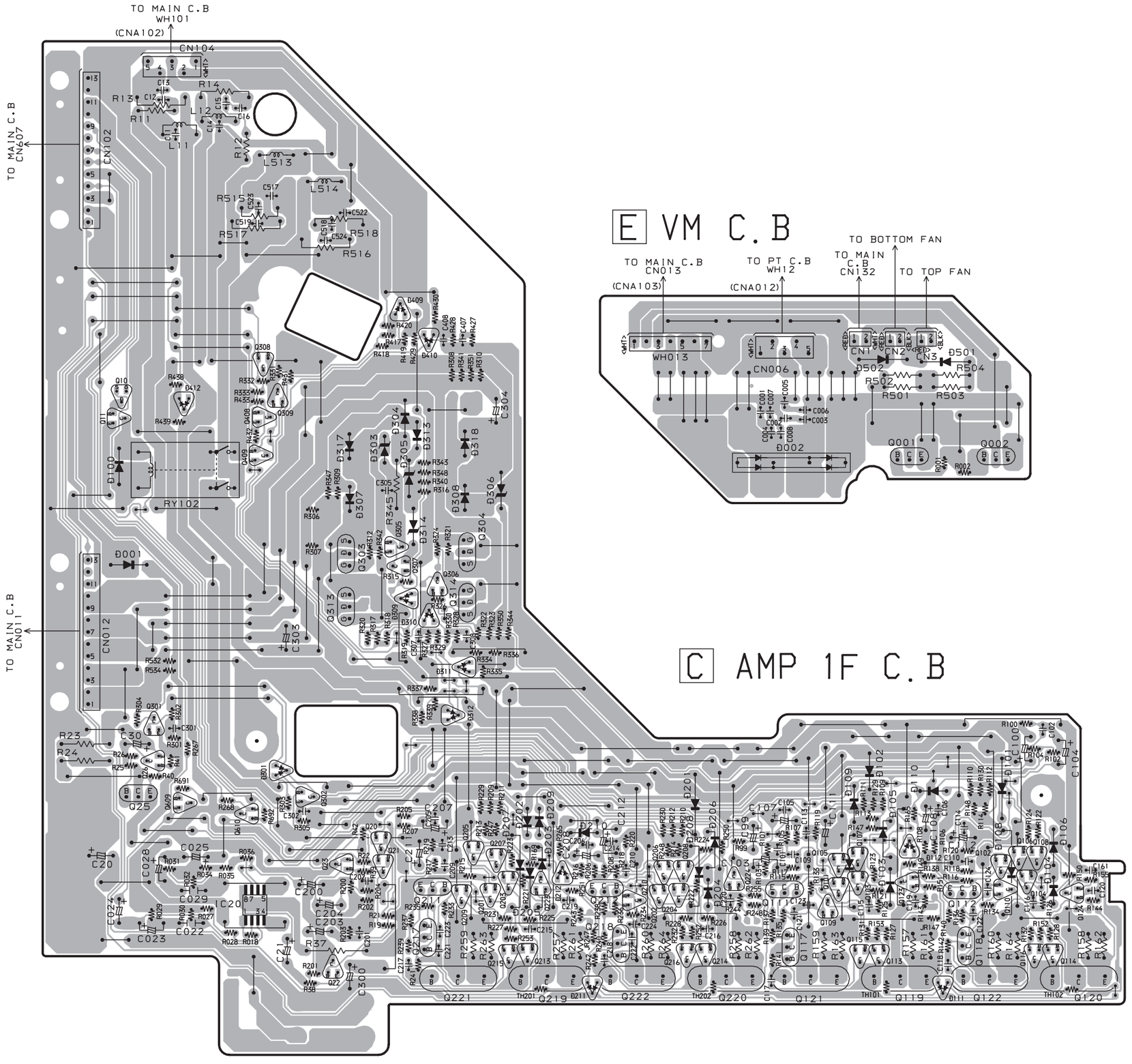
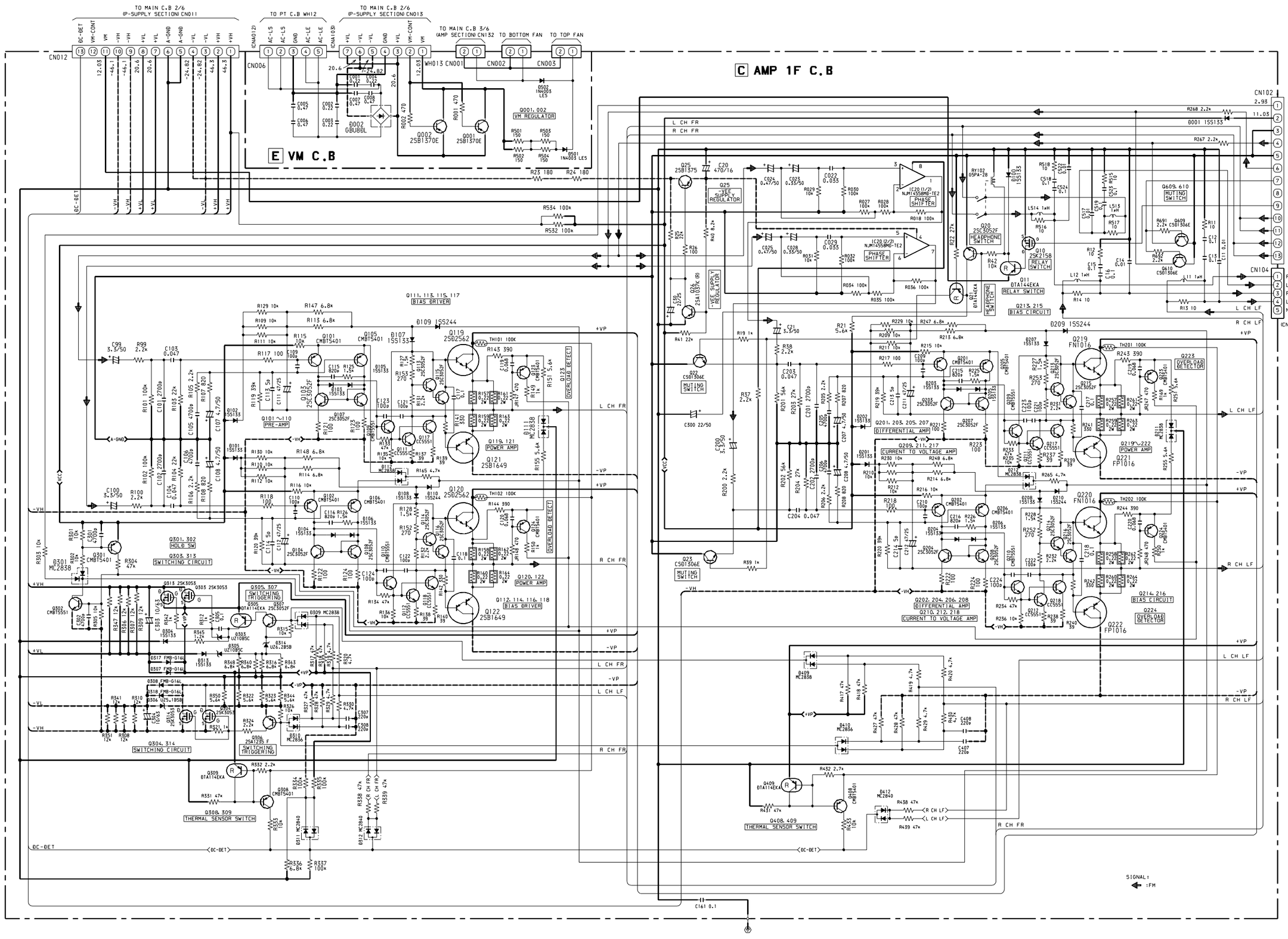
A B C D E F G H I J K L M N O P Q R S T U



SCHEMATIC DIAGRAM – 8 (AMP 1F / VM)



32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

Đ PT C.B

TO MAIN C.B
WH011
(CNA013)

TO VM C.B
CN006
(CNA012)

AC 120V/220-230V/240V
50/60HZ

CN101
11 10 9 7 5 3 2 1
<WHT>

WH12
1 3 5
<WHT>

RY102

T102

T101

PR103

PR102

PR108

PR106

F102

FC103

FC104

F101

FC101

FC102

SW101
1 2 3 4 5 6 7 8

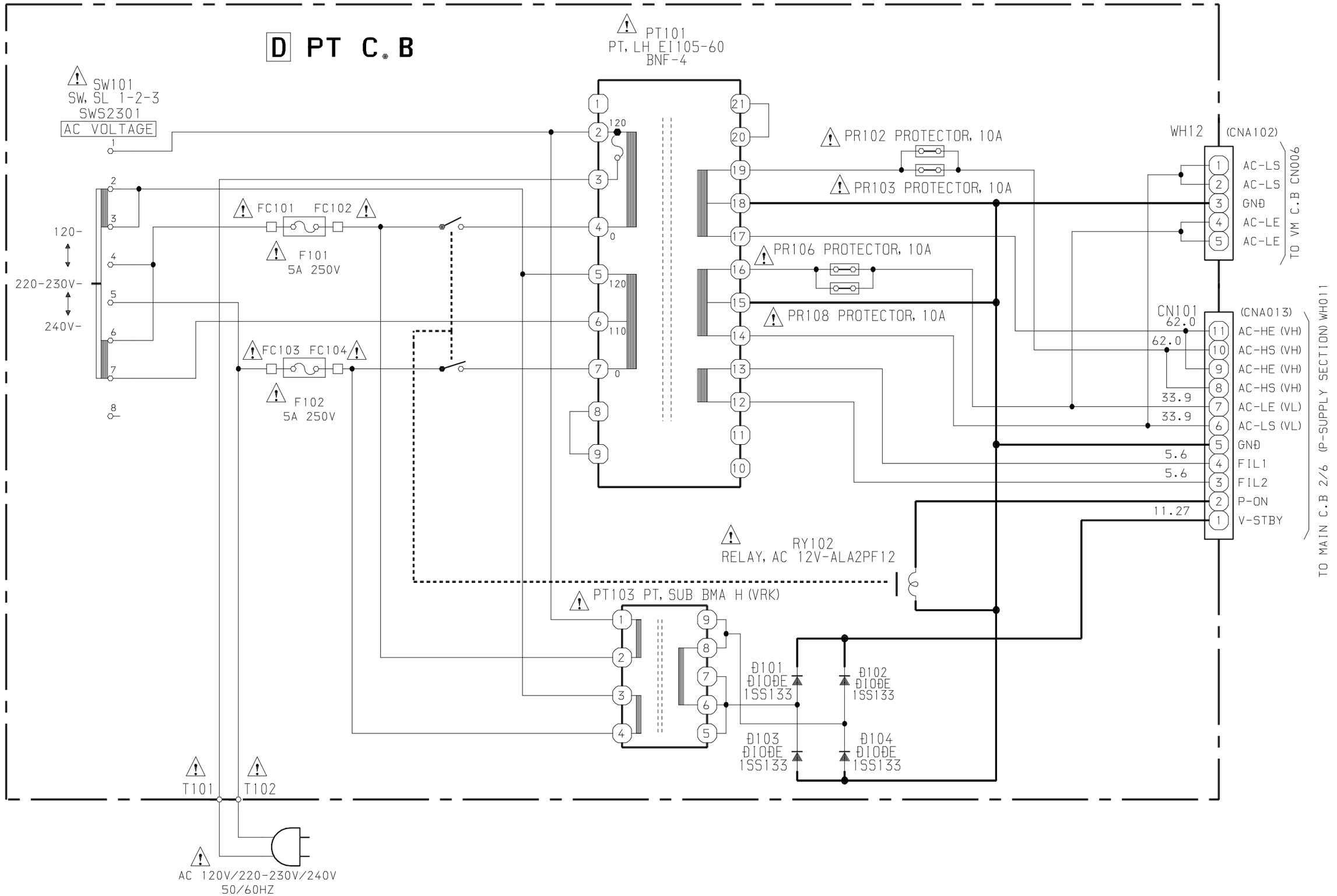
SW001
AC VOLTAGE
AC 120V
220~230V
240V

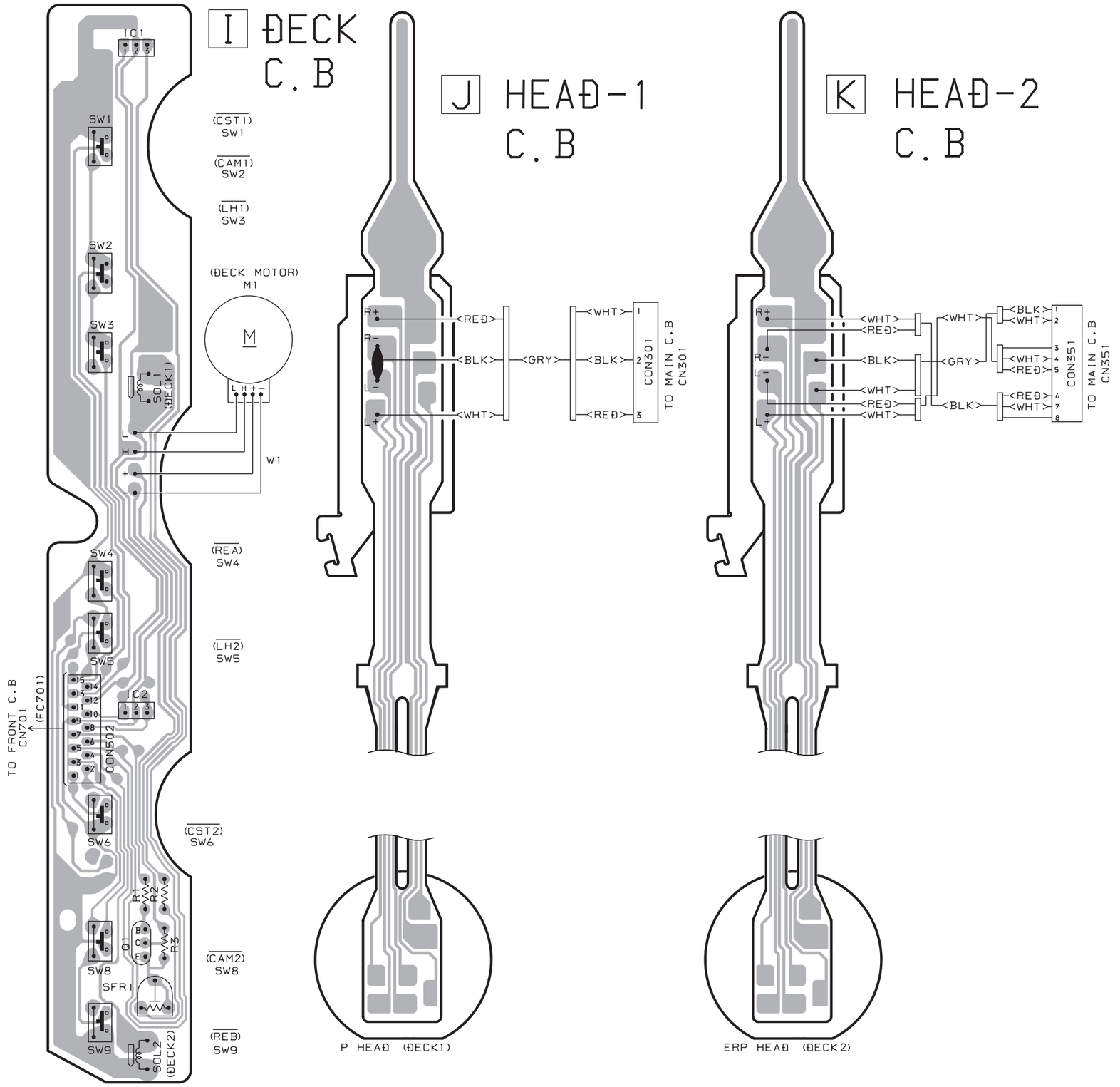
PT101
21 20 19 18 17 16 15 14 13 12 11 10
1 2 3 4 5 6 7 8 9

TF

PT103
1 2 3 4
9 8 7 6 5

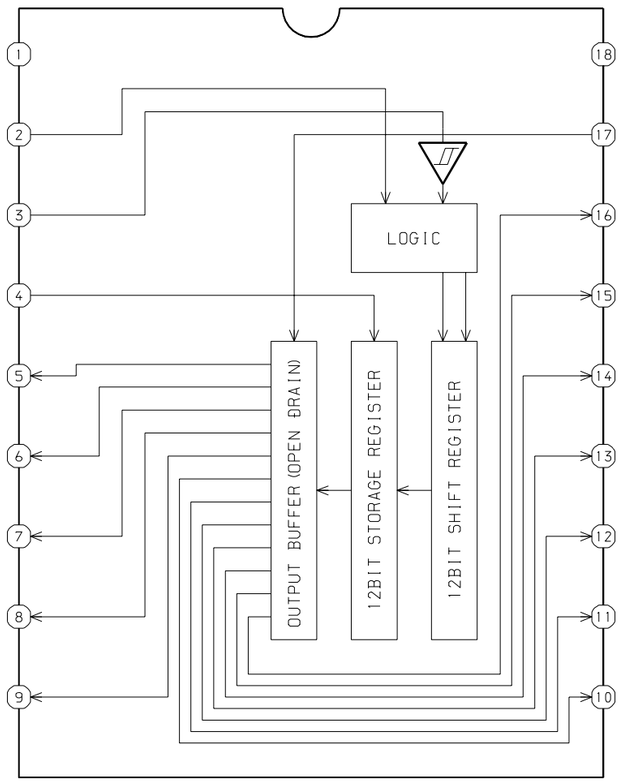
Đ102
Đ104
Đ103
Đ101


D PT C.B
PT101
PT, LH EI105-60
BNF-4
SW101
SW, SL 1-2-3
SWS2301
AC VOLTAGE
120-
220-230V-
240V-
FC101 FC102
F101
5A 250V
FC103 FC104
F102
5A 250V
PR102 PROTECTOR, 10A
PR103 PROTECTOR, 10A
PR106 PROTECTOR, 10A
PR108 PROTECTOR, 10A
WH12
(CNA102)
AC-LS
AC-LS
GND
AC-LE
AC-LE
TO VM C.B CN006
CN101
(CNA013)
62.0
62.0
33.9
33.9
5.6
5.6
11.27
AC-HE (VH)
AC-HS (VH)
AC-HE (VH)
AC-HS (VH)
AC-LE (VL)
AC-LS (VL)
GND
FIL1
FIL2
P-ON
V-STBY
TO MAIN C.B 2/6 (P-SUPPLY SECTION) WH011
RY102
RELAY, AC 12V-ALA2PF12
PT103 PT, SUB BMA H (VRK)
Đ101 ĐIOĐE 1SS133
Đ102 ĐIOĐE 1SS133
Đ103 ĐIOĐE 1SS133
Đ104 ĐIOĐE 1SS133
T101
T102
AC 120V/220-230V/240V
50/60HZ

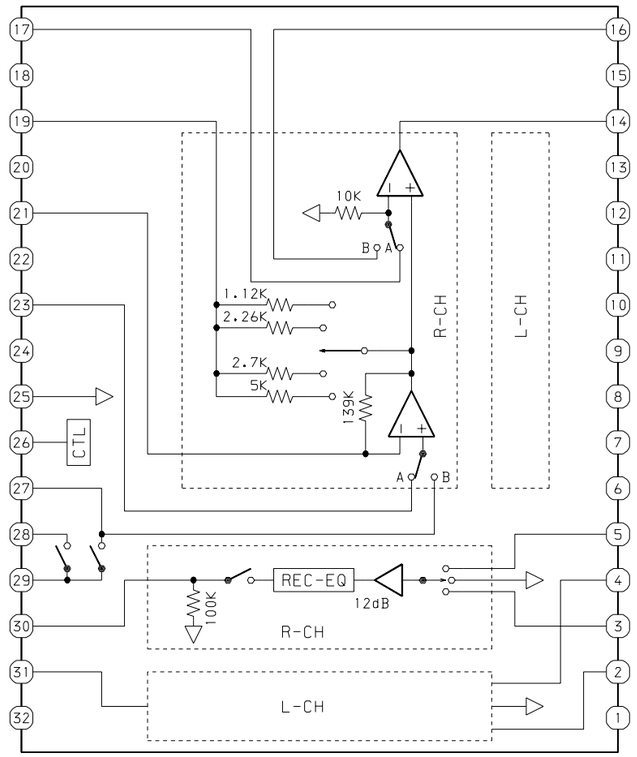

I DECK C.B
J HEAD-1 C.B
K HEAD-2 C.B
IC1
SW1
SW2
SW3
(CST1) SW1
(CAM1) SW2
(LH1) SW3
(DECK MOTOR) M1
M
SOL1 (DECK1)
W1
SW4
SW5
SW6
SW8
SW9
(REA) SW4
(LH2) SW5
(CST2) SW6
(CAM2) SW8
(REB) SW9
IC2
CON502
TO FRONT C.B CN701 (FC701)
R1
R2
R3
Q1
SFR1
SOL2 (DECK2)
R+
R-
F-
F+
RED
BLK
WHT
GRY
CON301
TO MAIN C.B CN301
CON351
TO MAIN C.B CN351
P HEAD (DECK1)
ERP HEAD (DECK2)

IC BLOCK DIAGRAM

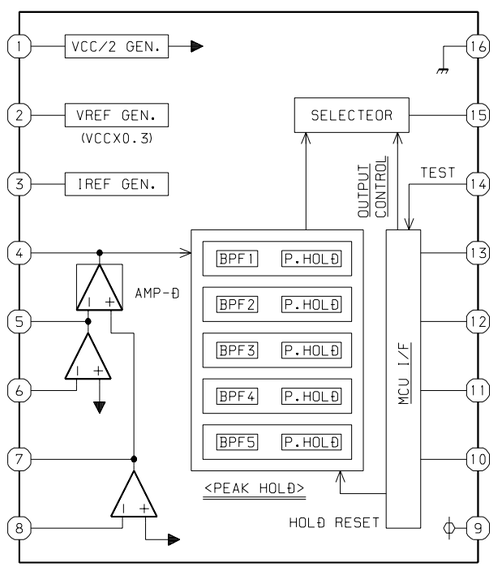
IC, BU2092F



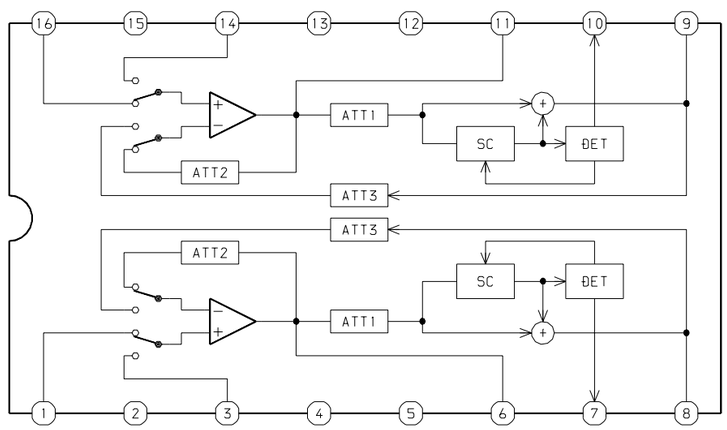
IC, BA7762AFS



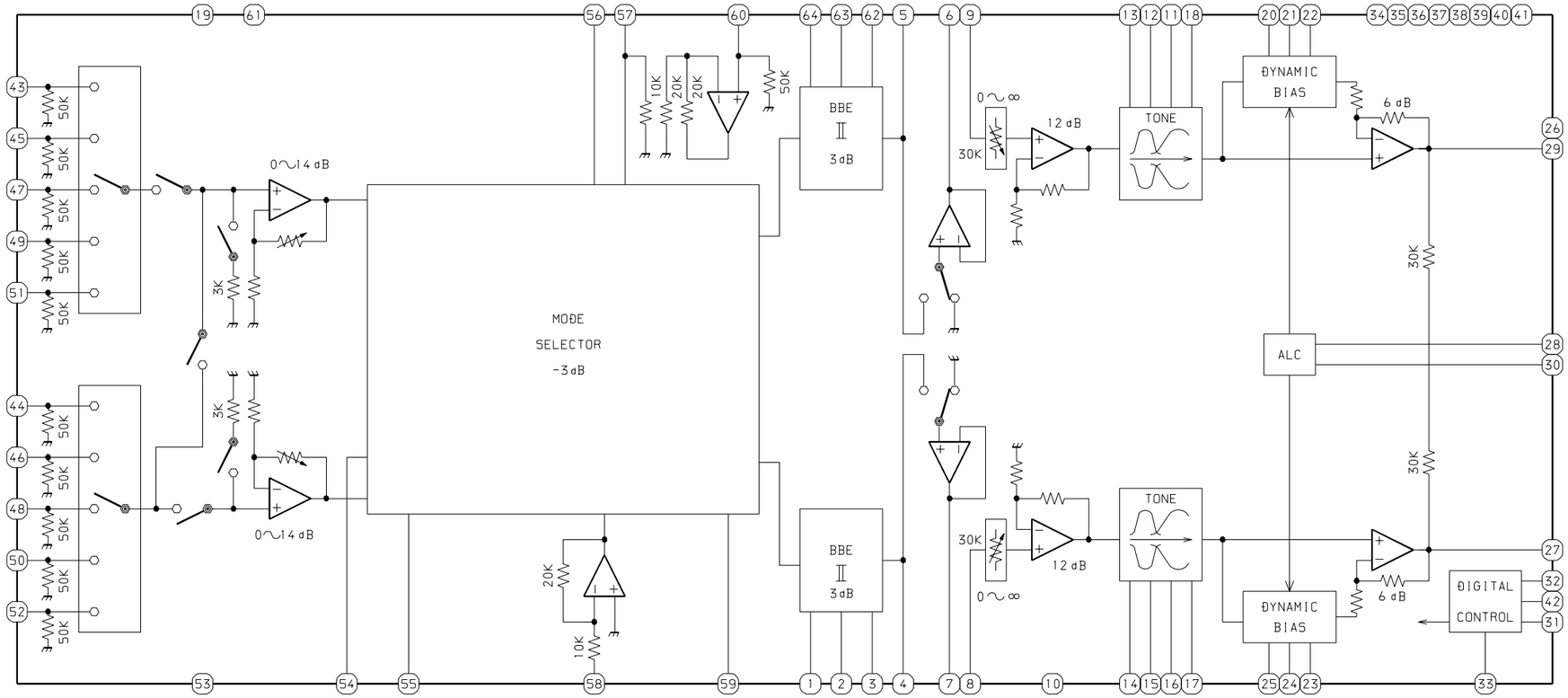
IC, M61506FP



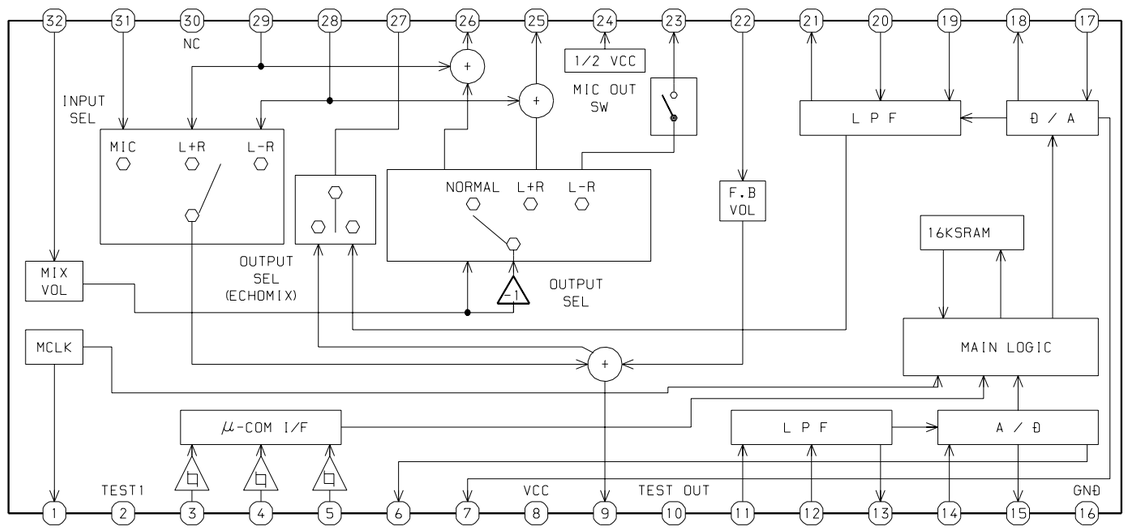
IC, CXA1553P



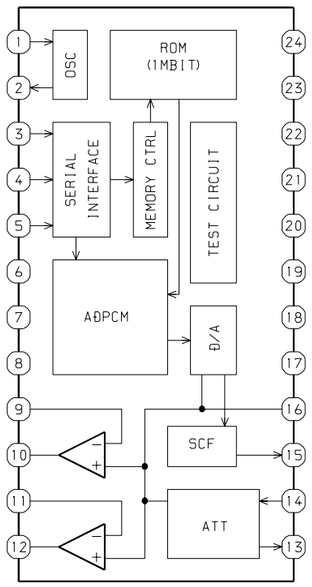
IC, BD3876AKS2



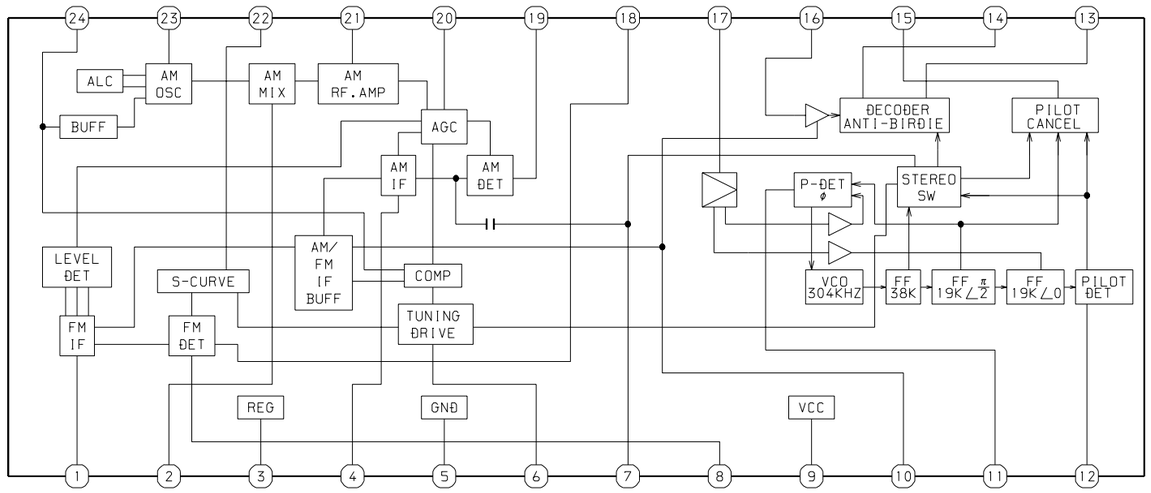
IC, M65849BFP631D



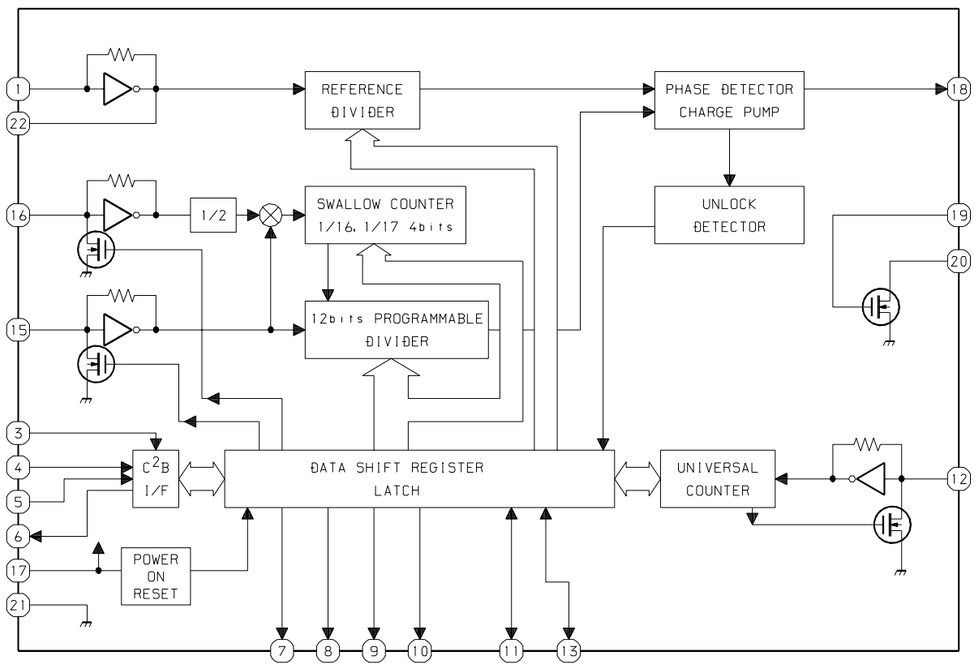
IC, BU9990-03FS



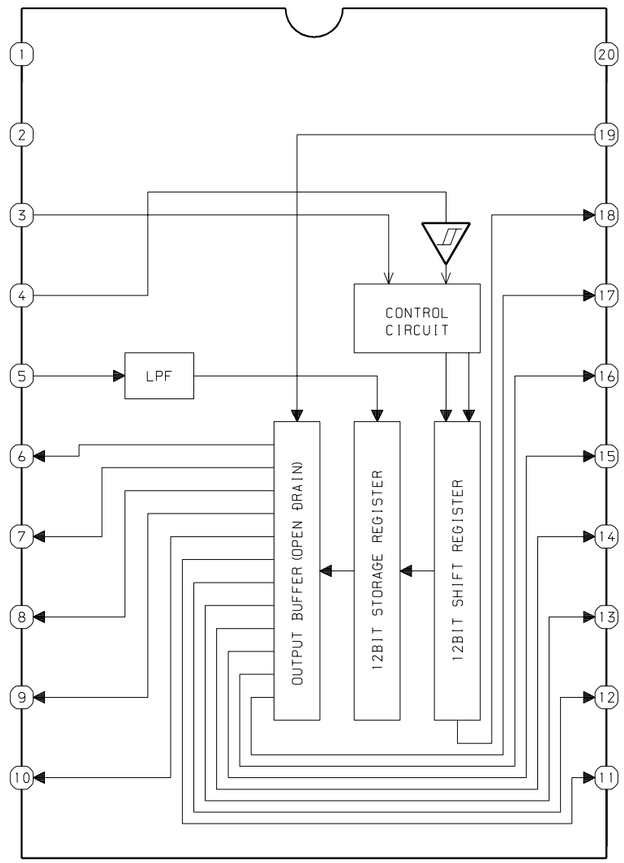
IC, LA1845L



IC, LC72131Đ-N



IC, BU2099FV



IC DESCRIPTION

IC, LC876596W-5T96

Pin No.	Pin Name	I/O	Description
1	CLK	O	Common serial clock output.
2	DATA	O	Common serial data output.
3	STB	O	Common serial strobe output.
4	CS-RHYTHM	O	Rhythm IC chip select output.
5	I-RDSDATA	I	RDS input data (Connected to ground).
6	$\overline{\text{HP-MUTE}}$	I	Headphone plug-in detect input (output "L" at HOLD).
7	O-POWER	O	System power ON / $\overline{\text{OFF}}$ output.
8	PLL-CE	O	Tuner PLL IC chip enable output.
9	O-MUTE	O	System mute ON / OFF output.
10	$\overline{\text{CLK-SHIFT}}$	O	MICON clock shift output (active low).
11	$\overline{\text{RESET}}$	-	System reset.
12	VOL-JOG	I	Main volume rotary encoder input (AD).
13	MULTI-JOG	I	Dial jog rotary encoder input (AD).
14	VSS1	-	Connected to ground.
15	CF 1	I	Oscillator circuit input (9.43MHz).
16	CF 2	O	Oscillator circuit output (9.43MHz).
17	VDD1	-	Connected to power supply.
18	$\overline{\text{HOLD}}$	I	Power supply voltage detect AD input.
19	KEY1	I	Key input 1 (AD) (output "L" at HOLD).
20	KEY2	I	Key input 2 (AD) (output "L" at HOLD).
21	KEY3	I	Key input 3 (AD) (output "L" at HOLD).
22	I-SPEANNA	I	Spectrum analyzer IC AD input (output "L" at HOLD).
23	I-CDSW	I	CD mecha switches AD input (output "L" at HOLD).
24	I-DISH	I	CD turnable sensor input (output "L" at HOLD).
25	I-MIC	I	MIC input for auto vocal fader (output "L" at HOLD).
26	I-RDSCLK / I-WRQ	I	Turner RDS clock input (Not used) / CD sensor (output "L" at HOLD & INI).
27	I-TU-SIG / $\overline{\text{MS}}$	I	Turner signal (Not used) / music sensor input (output "L" at HOLD).
28	I-TMBASE	I	Time base clock (8Hz) input (output "L" at HOLD).
29	$\overline{\text{I-RMC}}$	I	Remote receiver data input (output "L" at HOLD).
30~42	G13~G1	O	FL grid G13~G1 output.
43~45	P39~P37	O	FL segment P39~P37 output.
46	VDD3	-	Connected to power supply.
47	SPEANA A / P36	O	Spectrum analyzer band control A / FL P36 segment output.
48	SPEANA B / P35	O	Spectrum analyzer band control B / FL P35 segment output.
49	SPEANA C / P34	O	Spectrum analyzer band control C / FL P34 segment output.
50	P33	O	FL P33 segment output.
51	VP	-	Power for FL display.
52~59	P32~P25	O	FL P32~P25 segment output.
60	NO AC-DEMO / P24	I/O	No AC-DEMO input (Not used) / FL P24 segment output.
61	CASINO-DEMO / P23	I/O	Casino DEMO input / FL P23 segment output.
62	ECO-ON / P22	I/O	ECO ON (default setting) detect input / FL P22 segment output.

Pin No.	Pin Name	I/O	Description
63	NO-RHYTHM / P21	I/O	No rhythm (beat master) function rhythm input (Not used) / FL P21 segment output.
64	AC3-DPL / P20	I/O	AC 3 input + DOLBY PRO LOGIC detect input (Not used) / FL P20 segment output.
65	K-CON / P19	I/O	K-CON diode detect input (Not used) / FL P19 segment output.
66	RDS / P18	I/O	RDS function diode detect input (Not used) / FL P18 segment output.
67	FM1 / P17	I/O	OIRT diode detect input (Not used) / FL P17 segment output.
68	SW / P16	I/O	SW band diode detect input (Not used) / FL P16 segment output.
69	LW / P15	I/O	LW band diode detect input (Not used) / FL P15 segment output.
70	AM-10K / P14	I/O	AM-10K diode detect input / FL P14 segment output.
71	AM-ST / P13	I/O	AM stereo diode detect input (Not used) / FL P13 segment output.
72	VDD4	-	Connected to power supply.
73	$\overline{\text{REA}}$ / P12	I/O	Deck 2 side A recordable switch input / FL P12 segment output.
74	$\overline{\text{CST1}}$ / P11	I/O	Deck 1 cassette detect input / FL P11 segment output.
75	$\overline{\text{CAM1}}$ / P10	I/O	Deck 1 CAM switch input / FL P10 segment output.
76	AUTO2 / P9	I/O	Deck 2 auto stop input / FL P9 segment output.
77	AUTO1 / P8	I/O	Deck 1 auto stop input / FL P8 segment output.
78	$\overline{\text{CAM2}}$ / P7	I/O	Deck 2 CAM switch input / FL P7 segment output.
79	$\overline{\text{REB}}$ / P6	I/O	Deck 2 side B recordable switch input / FL P6 segment output.
80	$\overline{\text{CST2}}$ / P5	I/O	Deck 2 cassette detect input / FL P5 segment output.
81~84	P4~P1	O	FL P4~P1 segment output.
85	$\overline{\text{K-SCAN}}$	O	Key-scan output (active low).
86	$\overline{\text{SOL1}}$	O	Deck 1 solenoid output (active low).
87	$\overline{\text{SOL2}}$	O	Deck 2 solenoid output (active low).
88	$\overline{\text{O-MOTOR}}$	O	Deck motor $\overline{\text{ON}}$/OFF output.
89	VSS2	-	Connected to ground.
90	VDD2	-	Connected to power supply.
91	IFC-$\overline{\text{TU}}$	I	Tuner tune-IF count input (active L).
92	$\overline{\text{I-STEREO}}$	I	Tuner stereo detect input (active L).
93	I-SQDATA	I	CD SUBQ data input.
94	I-DRF	I	CD DRF input.
95	O-DISHREV	O	CD dish reverse output.
96	O-DISHFWD	O	CD dish forward output.
97	O-DATA (CD)	O	CD control data output.
98	CD-CE	O	CD control data latch output.
99	O-CLK (CD)	O	CD control clock output.
100	STB (SHIFT)	O	Shift register (BU2099) strobe output.

ADJUSTMENT 1 <DECK>

< DECK SECTION >

1. Tape Speed Adjustment (DECK 2)
   Settings : • Test tape : TTA–100 (3kHz)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz (FWD) and ± 45Hz (REV) with respect to forward speed.

2. Head Azimuth Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA–330 (315/10kHz)
   • Test point : TP8 (Lch), TP9 (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.

3. PB Frequency Response Check (DECK 1, DECK 2)
   Settings : • Test tape : TTA–330 (315/10kHz)
   • Test point :TP8 (Lch), TP9 (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 ± 2dB.

4. PB Sensitivity Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA–200 (400Hz)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Adjustment location : SFR301 (DECK 1, Lch)
   SFR302 (DECK 1, Rch)
   SFR303 (DECK 2, Lch)
   SFR304 (DECK 2, Rch)
   Method : Play back the test tape and adjust SFRs so that the output level of the test points becomes 245mV ± 10mV.

5. REC/PB Sensitivity Adjustment (DECK 2)
   Settings : • Test tape : TTA–602 (Normal)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Input signal : 1kHz (0VU)
   • Adjustment location : SFR305 (Lch)
   SFR306 (Rch)
   Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the test points becomes 180mV. Record and play back the 1kHz and and adjust SFRs so that the output level becomes 0dB ± 0.5dB.

6. REC/PB Sensitivity Check (DECK 2)
   Settings : • Test tape : TTA–615 (CrO_2)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Input signal : 1kHz (0VU)
   Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP1 becomes 180mV. Record and play back the 1kHz signal and check that the output is 0dB ± 1.5dB.

7. REC/PB Frequency Response Adjustment (DECK 2)
   Settings : • Test tape : TTA–602 (Normal)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Input signal : 1kHz / 10kHz (–20VU)
   • 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 TP1 becomes 18mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

8. REC/PB Frequency Response Check (DECK 2)
   Settings : • Test tape : TTA–615 (CrO_2)
   • Test point : TP8 (Lch), TP9 (Rch)
   • Input signal : 1kHz/10kHz(-20VU)
   Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the test point becomes 18mV. Record and play back the 1kHz and 10kHz signals and check that the output is 0dB ± 2dB.

ADJUSTMENT 2 <TUNER / FRONT>

< TUNER SECTION >

1. Clock Frequency Check
   Settings : • Test point : TP6 (CLK)
   Method : Set to AM 1710kHz and check that the test point is 2160kHz ± 45Hz.

2. AM VT Check
   Settings : • Test point : TP3 (VT)
   Method : Set to AM 1710kHz and check that the test point is less than 8.5V. Then set to AM 530kHz and check that the test point is more than 0.6V.

3. AM Tracking Adjustment
   Settings : • Test point : TP6 (Lch), TP7 (Rch)
   • Adjustment location : L951(1/3)
   Method : Set to AM 1000kHz and adjust L951(1/3) so that the test point becomes maximum.

4. FM VT Adjustment
   Settings : • Test point : TP3 (VT)
   • Adjustment location : L906
   Method : Set to FM 108.0MHz and adjust L906 so that the test point becomes 7.0V ± 0.1V. Then set to FM 87.5MHz and check that the test point is more than 0.5V.

5. FM Tracking Adjustment
   Settings : • Test point : TP6 (Lch), TP7 (Rch)
   • Adjustment location : L903
   Method : Set to FM 87.5MHz and adjust L903 so that the test point becomes maximum.

6. AM IF Adjustment
   Settings : • Test point : TP6 (Lch), TP7 (Rch)
   • Adjustment location :
   L802 ..... 450kHz

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP4, TP5 (DC balance)
   TP8 (Lch), TP9 (Rch)
   (Mono distortion)
   • Adjustment location : L801
   • Input level : 60dBµV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP4 and TP5 becomes 0V ± 500mV with distortion less than 0.5%.

8. Output Level Check
   <AM>
   Settings : • Test point : TP6 (Lch), TP7 (Rch)
   • Input level : 74dBµV
   Method : Set to AM 1000kHz and check that the test point is 50mV ± 3dB.

   <FM>
   Settings : • Test point : TP6 (Lch), TP7 (Rch)
   • Input level : 60dBµV
   Method : Set to FM 98.0MHz and check that the test point is 150mV ± 3dB.

< FRONT SECTION >

1. µ-CON OSC Adjustment
   Settings : • Test point : TP1 (K-SCAN)
   TP2 (GND)
   • Adjustment location : L191
   Method : Insert AC plug while pressing of "POWER" key and "TUNER" function key. Connect a frequency across TP1 and TP2. Then adjust L191 so that the frequency across the test point is 208.8Hz ± 0.2Hz.

CD TEST MODE

1. How to Activate CD Test Mode

While pressing and holding the function button, insert the AC plug.
When the test mode starts, the message, " TEST" appears on the display.

2. How to Cancel CD Test Mode

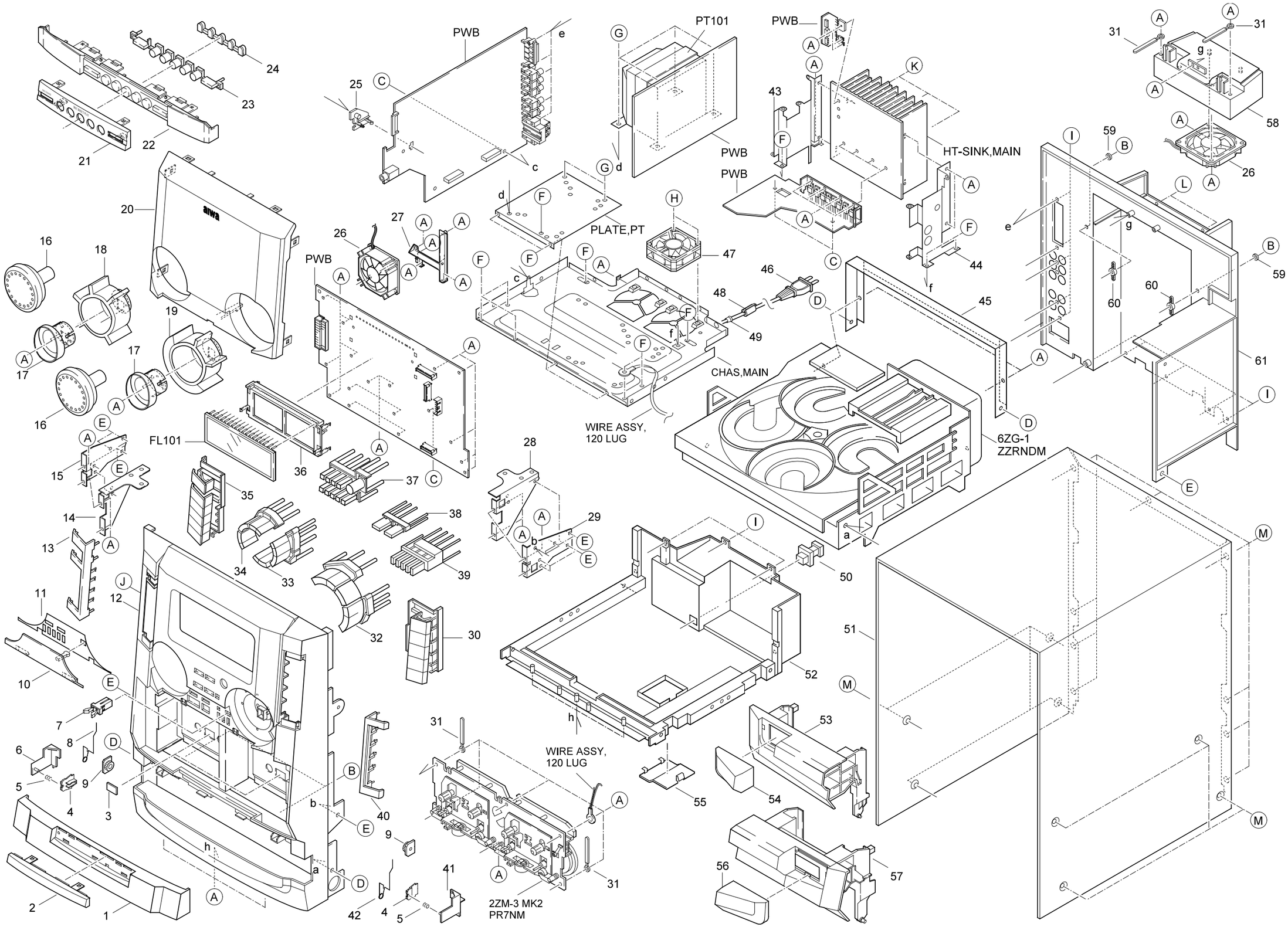
Press the POWER button or remove the AC plug.
* The test mode is cancelled by other function keys during play.

3. Function and Usage of CD Test Mode

No	Mode	Button for Activation	Display	Operation	Contents
1	Start Mode		All lights are lit.	All FL are lit.	• FL check • Microcomputer check
2	Search Mode	STOP button	Reading	• Laser diode is lit during the mode. • Focus search continuous operation. *1 • Spindle motor continuous kick.	• APC circuit check • Laser current measurement • Focus-search waveform check • Focus-error waveform check (DRF is ignored during search mode)
3	Play Mode	PLAY button	Normal	• Normal playback. • Focus search continues if TOC READ cannot be read.	• All servo circuits check • DRF check
4	Traverse Mode	PAUSE button	Normal	• Tracking Servo OFF/ON. The OFF/ON operation repeats each time the PAUSE button is pressed.	• Tracking balance check
5	Sled Mode	FF button	TEST	• PU moves to inner track. *2 At the same time, the lens is kicked to inner track.	• Sled circuit check • Tracking circuit check
		RWD button	TEST	• PU is moves to outer track. *2 At the same time, the lens is kicked to outer track.	• Mechanism operation check • PU check
6	Spindle Mode	REC/REC MUTE button	All lights are lit.	• When the button is pressed, the spindle motor operates in forward rotation (rough speed). Then, the button is pressed again, it operates in reverse rotation. When the button is pressed again, operation stops.	• Spindle circuit check • Spindle motor check

*1 … When focus search operates continuously more than 10 minutes, the protection circuit may start due to generation of heat in the driver IC. If this happens, turn off the power, leave the unit for a while, and then, restart.

*2 … Carefully monitor the gear against damage, as the sled motor rotates while the FF or RWD button is pressed even when the pickup is located at innermost or outermost.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PT101
PWB
PWB
HT-SINK,MAIN
PLATE,PT
PWB
CHAS,MAIN
WIRE ASSY,
120 LUG
FL101
6ZG-1
ZZRNDM
WIRE ASSY,
120 LUG
2ZM-3 MK2
PR7NM

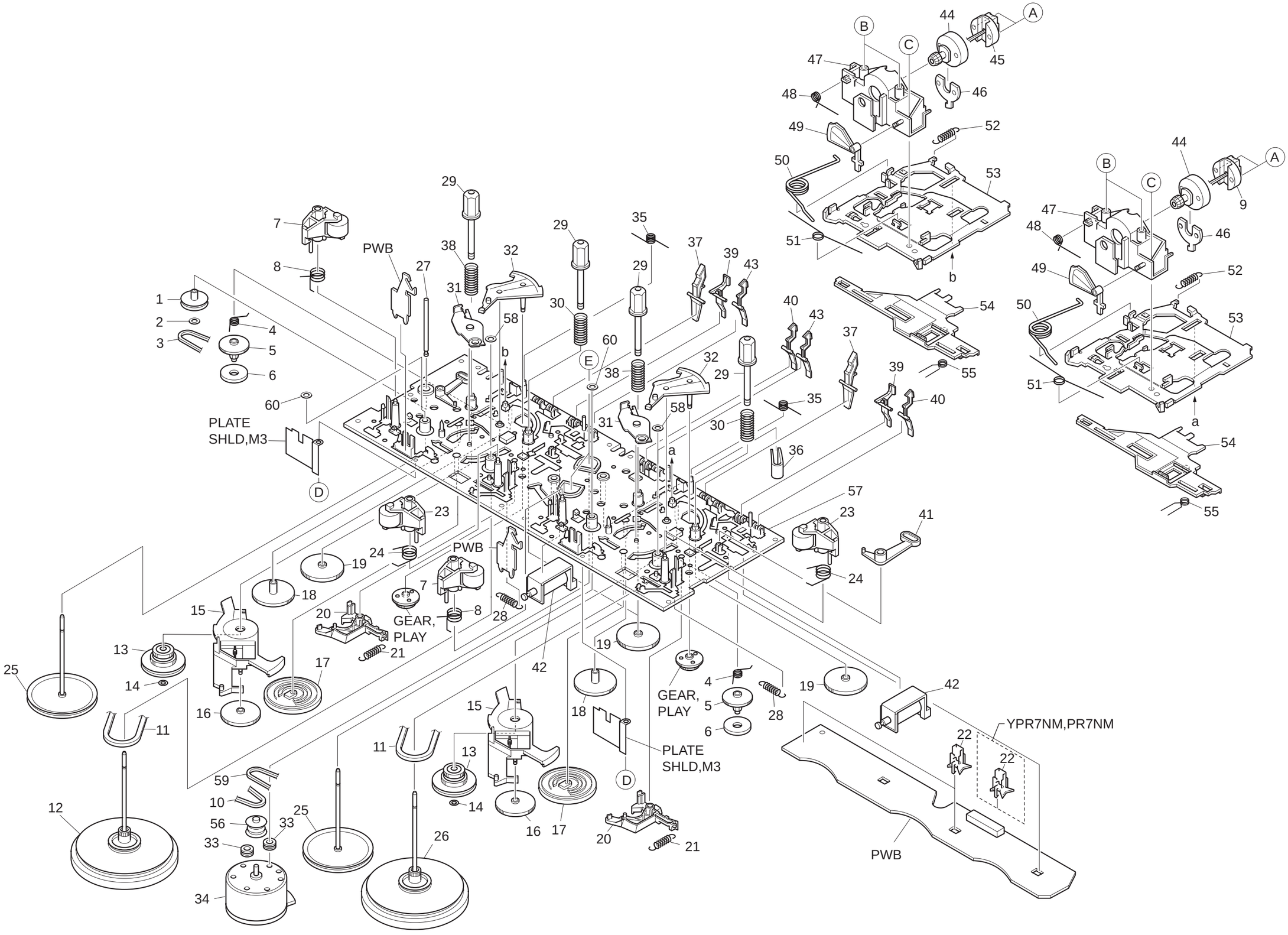
MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NF4-045-010		PANEL,TRAY
2	8B-NF4-041-010		COVER, TRAY
3	81-532-080-010		LBL,CASS-COMPT
4	82-NF5-229-010		PLATE,LOCK
5	86-NF9-224-010		SPR-C,LOCK
6	87-NF4-216-010		HLDR,LOCK 1
7	87-064-108-110		HLDR,NC LUTCH
8	82-NF5-218-010		SPR-T,EJECT 1 (SIN)
9	87-NF8-220-010		DMPR,150
10	8B-NF4-043-010		PANEL,COVER
11	8B-NF4-031-010		PANEL,UNDERCOVER
12	8B-NF4-001-010		CABI,FR
13	8B-NF4-083-010		REFLECTOR,FUNC
14	8B-NF4-212-010		HLDR,CHAS L-1
15	8B-NF4-213-010		HLDR,CHAS,L-2
16	8B-NF4-081-010		KNOB,RTRY JOG
17	8B-NF4-086-010		REFLECTOR,JOG
18	8B-NF4-077-010		RING,JOG H
19	8B-NF4-079-010		RING,VOL
20	8B-NF4-051-010		WINDOW,DISP
21	8B-NF4-044-010		PANEL,KEY-CD
22	8B-NF4-042-010		PANEL,CD
23	8B-NF4-070-010		KEY,ASSY CD
24	8B-NF4-201-010		GUIDE,LED CD
25	8A-NF8-206-010		HLDR,PWB M
26	87-A91-736-010		FAN,DSB0812M-S382 -300MM
27	8B-NF4-225-010		HLDR,FAN
28	8B-NF4-214-010		HLDR,CHAS R-1
29	8B-NF4-215-010		HLDR,CHAS R-2
30	8B-NF4-067-010		KEY,ASSY OPE
31	87-064-185-010		HLDR,WIRE
32	8B-NF4-064-010		KEY,BBE
33	8B-NF4-071-010		KEY,SPICE
34	8B-NF4-065-010		KEY,JOG
35	8B-NF4-062-010		KEY,ASSY FUNC
36	8B-NF4-202-010		GUIDE,FL
37	8B-NF4-061-010		KEY,GEQ
38	8B-NF4-069-010		KEY,REC
39	8B-NF4-066-010		KEY,KARAOKE
40	8B-NF4-084-010		REFLECTOR,OPE
41	87-NF4-217-110		HLDR,LOCK 2
42	82-NF5-219-010		SPR-T,EJECT 2 (SIN)
43	8A-NF3-213-110		HLDR,HT-SINK L
44	8A-NF3-214-110		HLDR,HT-SINK R
45	8A-NF3-212-110		HLDR,REAR
⚠ 46	87-A80-157-010		AC CORD ASSY,E BLK CC
47	8B-NF4-633-010		FAN,AD0612DS-D70GL
48	87-A91-870-010		F-BEAD,9.5-17.5-28.5 TAITECH
49	87-085-185-010		BUSHING, AC CORD (E)
50	84-ZG1-245-210		CAP,OPTICAL
51	8A-NF3-027-110		CABI,STEEL
52	8A-NF3-026-110		CABI,BOTTOM
53	8B-NF4-021-010		BOX,CASS L
54	8B-NF4-058-010		WINDOW,CASS L
55	8Z-NF3-048-010		COVER, BOTTOM
56	8B-NF4-059-010		WINDOW,CASS R
57	8B-NF4-022-010		BOX,CASS R
58	8B-NF4-020-010		COVER, FAN
59	8A-MA3-214-010		W,3.5-6.5-1 W/ADH
60	8A-NHP-214-010		HLDR,HL
61	8B-NF4-011-010		CABI,REAR LHSM
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-067-581-010		TAPPING SCREW, BVT2+3-15
C	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
D	87-721-097-410		QT2+3-12 GLD
E	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
F	87-067-689-010		TAPPING SCREW, BVTT+3-8
G	87-067-975-010		S-SCREW,IT+4-8
H	87-B10-190-010		BVT2+3-22 W/O SLOT
I	87-067-761-010		TAPPING SCREW, BVT2+3-10
J	87-721-096-410		QT2+3-10 GLD
K	87-067-758-010		BVT2+3-12 W/O SLOT
L	87-067-660-010		BVT2+3-8 W/O SLOT BLK
M	87-067-641-010		UTT2+3-8(W/O SLOT)BL

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
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray

TAPE MECHANISM EXPLODED VIEW 1 / 1



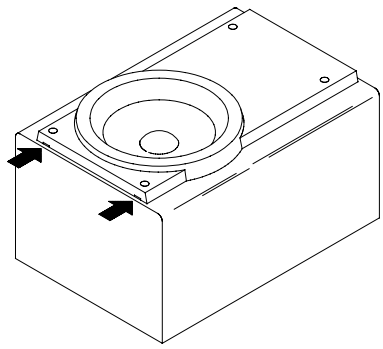
TAPE MECHANISM PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-335-310		PULLEY,COUPLER M3
2	87-B10-043-010		W-P,0.99-4-0.25 SLT
3	86-ZM1-206-010		BELT,MAIN L
4	82-ZM1-322-010		SPR-T,FR 60
5	82-ZM1-220-210		GEAR,IDLER
6	82-ZM3-616-010		RING MAGNET 4
7	82-ZM3-348-010		LEVER ASSY,PINCH YL
8	82-ZM1-258-210		SPR-T,PINCH L
9	87-A91-195-110		HEAD,RPH KC9142 FPC
10	82-ZM3-342-010		BELT,SBU MOT 3
11	82-ZM1-338-110		BELT,FR 4
12	09-001-420-010		FLY-WHL,R ASSY
13	82-ZM3-333-310		SLIP DISK ASSY 2
14	82-ZM3-334-010		PW 2.16-6-0.4
15	82-ZM3-306-110		LVR,FR M2
16	82-ZM1-225-210		GEAR,FR
17	82-ZM3-305-310		GEAR,CAM M2(*)
18	82-ZM1-226-010		GEAR,REW
19	82-ZM1-216-510		GEAR,REEL
20	82-ZM1-227-310		LVR,TRIG
21	82-ZM1-265-310		SPR-E,TRIG
22	82-ZM3-351-010		HLDR,IC 2
23	82-ZM3-343-010		LEVER ASSY,PINCH YR
24	82-ZM1-259-210		SPR-T,PINCH R
25	82-ZM1-234-310		FLY-WHL,L ASSY
26	82-ZM1-237-610		FLY-WHL,R ASSY
27	82-ZM3-339-110		SHAFT,COUPLER N3
28	82-ZM1-255-310		SPR-E,LVR DIR
29	82-ZM1-217-410		REEL TABLE
30	82-ZM1-285-410		SPR-C,BT L
31	82-ZM1-333-210		PLATE,LINK2
32	82-ZM1-222-310		LVR,PLAY(*)
33	82-ZM3-307-010		CUSH-G,DIA3.7-8-3.2
34	87-045-347-010		MOT,SHU2L 70
35	82-ZM1-257-010		SPR-T,CAS
36	82-ZM3-340-010		SH,BELT D2
37	82-ZM1-242-010		LVR,CAS
38	82-ZM1-244-510		SPR-C,BT
39	82-ZM1-243-010		LVR,STOP
40	82-ZM1-240-110		LVR,REC(*)
41	82-ZM1-264-010		LVR,EJECT R
42	82-ZM3-621-110		SOL ASSY 27 KO
43	82-ZM1-241-310		LVR,MC
44	82-ZM1-208-310		HLDR,HEAD
45	87-A91-196-110		HEAD,PH KP9142 FPC
46	82-ZM1-314-110		PLATE,HEAD
47	82-ZM1-207-910		GUIDE,TAPE
48	82-ZM3-353-010		SPR-T,HEAD 2
49	82-ZM1-210-110		GEAR,H T
50	82-ZM1-219-110		SPR-T,LINK
51	82-ZM1-269-210		SPR-T,BRG
52	82-ZM1-218-010		SPR-E,HB
53	82-ZM1-206-910		CHAS,HEAD
54	82-ZM1-266-310		LVR,DIR
55	82-ZM1-214-010		SPR-T,DIR
56	82-ZM3-221-210		PULLEY,MOT 2M
57	82-ZM3-301-610		CHAS ASSY,M2
58	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT
59	82-ZM3-329-410		BELT,SBU R2
60	82-ZM1-288-010		SH,1.63-3.2-0.5 SLT
A	80-ZM6-207-010		V+1.6-7
B	86-ZM4-206-110		S-SCREW,AZIMUTH L
C	85-ZM3-202-010		S-SCREW,TG
D	82-ZM3-222-010		S-SCREW,SHILD PLATE
E	82-ZM3-318-110		S-SCREW W,MOTOR M2

GENERAL SPEAKER DISASSEMBLY INSTRUCTIONS (FOR REFERENCE)

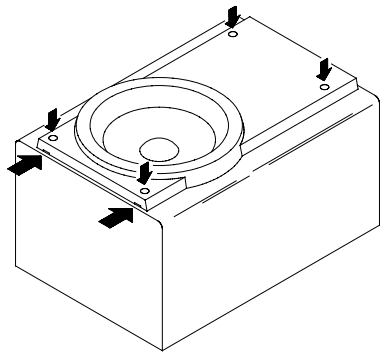
Type.1

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.



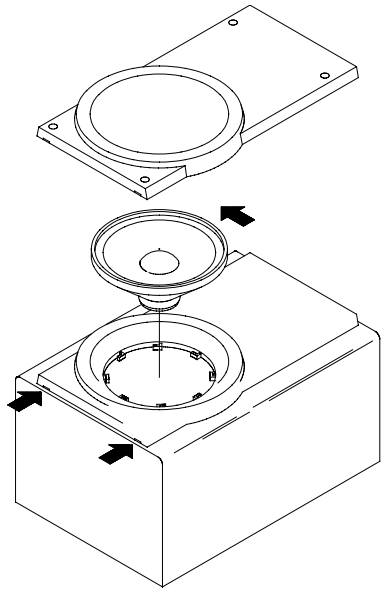
Type.2

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.

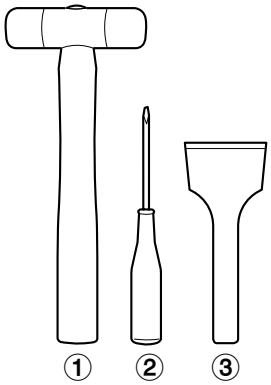


Type.3

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.

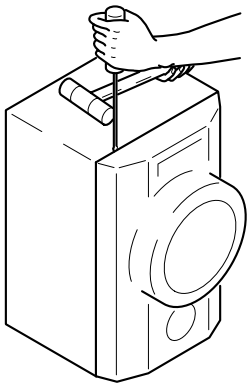


Fig-1

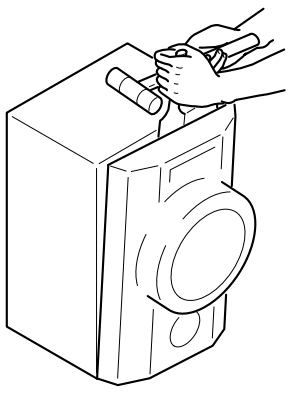


Fig-2

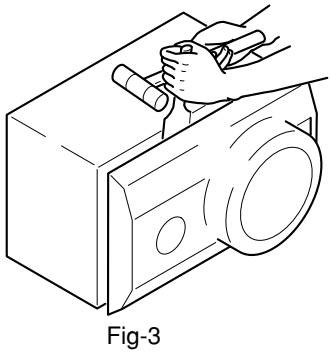


Fig-3

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-WNT929) <YLSL>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-MS3-001-010		PANEL,FR
2	8B-MS3-004-010		PANEL,TW A
3	8B-MS3-005-010		PANEL,TW B
4	8B-MS3-006-010		PANEL,DUCT A
5	8B-MS3-007-010		PANEL,DUCT B
6	8B-MS3-008-010		PANEL,DUCT C
7	8B-MS3-009-010		PROTECTOR,SQ
8	8B-NS5-610-010		CORD,SPKR
9	8B-NS3-606-010		SPKR,W 160/35
10	8B-NS3-608-010		SPKR,W 140/25
11	8B-NSK-604-010		SPKR,T 60

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NF4-902-010		IB,LH (ESP) M
2	87-006-268-010		ANT,LOOP AM
3	8Z-NF5-702-010		RC UNIT,ZAS04
4	87-043-115-010		FEEDER-ANT,FM
⚠ 5	87-A91-017-010		PLUG,CONVERSION JT-0476

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