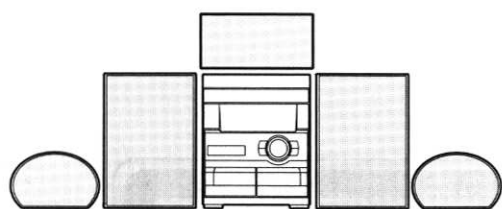


aiwa



NSX-MT90



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR4NM
- BASIC CD MECHANISM: 4ZG-1 Z2DNM

• TYPE : U

REVISION PUBLISHING

SYSTEM	CD - CASSEIVER	SPEAKER
NSX-MT90	CX-NMT90	SX-NA94

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No. 09-977-194-8FP).
- If requiring information about the CD mechanism, see Service Manual of 4ZG-1. (S/M Code No.09-974-187-50T)

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 bruksanvisning, 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

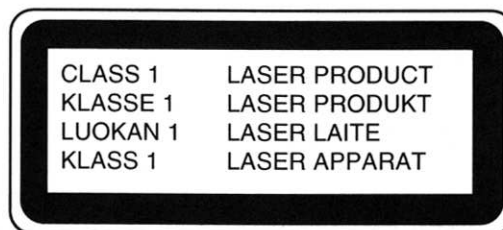
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

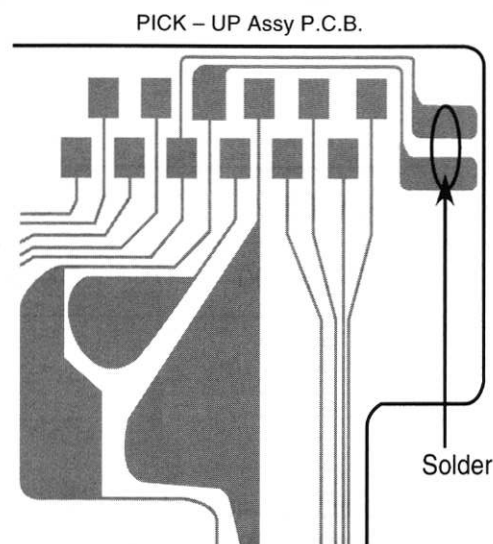


Precaution to replace Optical block

(KSS-213B)

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

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



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 μ V/m
Antenna	Loop antenna

<Amplifier section>

Power output	Front 145 W + 145 W (50 Hz - 20 kHz, 6 ohms, T.H.D. 1 %) Rear (Surround) 10 W + 10 W (16 ohms, T.H.D. 1 %, 1 kHz) Center Rated: 20 W (8 ohms, T.H.D. 1 %, 1 kHz)
Total harmonic distortion	0.05 % (120 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 210 mV (adjustable) MD: 210 mV (adjustable) MIC 1, MIC 2: 1.4 mV (10 kohms)
Outputs	LINE OUT: 200 mV SUPER WOOFER: 2.9 V SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO2 tape: 50 Hz - 16000 Hz Normal tape: 50 Hz - 15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON, CrO2 tape peak level)
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser ($\lambda = 780$ nm)
D-A converter	1 bit dual
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.03% (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<General>

Power requirements	120 V AC, 60 Hz
Power consumption	155 W
Dimensions of main unit	260 x 309 x 370 mm
Weight of main unit	10.6 kg (19 lbs 13 oz.)

<Speaker system SX-NA94>

Cabinet type	3 way, bass reflex (magnetic shielded type)
Speakers	Woofer: 160 mm ($6\frac{3}{8}$ in.) cone type Tweeter: 80 mm ($3\frac{1}{4}$ in.) cone type Super Tweeter: 20 mm ($\frac{13}{16}$ in.) cone type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	243 x 304 x 255 mm
Weight	4.2kg

- 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.

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NFR-910-010		IB,U(ESF)I
2	87-NFR-640-010		RC UNIT,RC-7AS09
3	87-A90-064-010		FEEDER-ANT,FM (SHS)
4	87-006-225-010		ANT,LOOP ANT NC2

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C102	87-A10-231-090		CAP,E 3300-80
	87-020-454-010	IC, DN6851		C103	87-016-658-090		CAP,E 4700-35 M SMG
	87-NF4-642-010	IC, LC866548V-5E54		C104	87-016-658-090		CAP,E 4700-35 M SMG
	87-070-083-010	IC, GPIU281X		C105	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-070-289-040	C-IC, BU2092F		C106	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A20-455-010	IC, HA12211		C107	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A20-355-010	IC, CXA1553P		C108	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A20-083-010	IC, BA3835S		C109	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A20-450-040	C-IC, BH3864F		C110	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A20-056-010	IC, BA3880S		C111	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A20-456-040	C-IC, BH3810FS		C112	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-017-888-080	C-IC, NJM4558MD		C113	87-010-247-080		CAP,E 100-50 M SME
	86-NFZ-655-010	IC, LC72131D(Z)		C116	87-010-247-080		CAP,E 100-50 M SME
	87-A20-438-010	IC, LA1837		C117	87-010-430-080		CAP,E 100-63
	87-A20-560-040	IC, M65849BFP		C118	87-010-263-080		CAP,E 100-10 SME
	87-A20-453-010	C-IC, NJW1102B		C119	87-010-260-080		CAP,E 47-25 SME
	87-A20-452-040	C-IC, TC9260FS		C120	87-010-403-080		CAP,E 3.3-50 M SME
TRANSISTOR				C121	87-012-140-080		C-CAP,S 470P-50 J CH
	87-026-463-080	TR, 2A933S		C122	87-010-263-080		CAP,E 100-10 SME
	87-026-263-080	C-TR, RN1410		C123	87-010-247-080		CAP,E 100-50 M SME
	89-213-702-010	TR, 2SB1370E		C124	87-010-112-080		CAP,E 100-16 M SME
	87-A30-076-080	C-TR, 2SC3052F		C125	87-010-235-080		CAP,E 470-16 SME
	87-A30-075-080	C-TR, 2SA1235F		C129	87-010-393-080		CAP,E 100-35 M SME
	87-026-610-080	TR, KTC3198GR		C201	87-010-400-080		CAP,E 0.47-50 M SME
	87-A30-073-080	C-TR, RT1N 141C		C202	87-010-400-080		CAP,E 0.47-50 M SME
	87-A30-085-070	C-TR, CSA1362GR		C205	87-010-184-080		C-CAP,S 3300P-50 KB
	87-A30-083-080	TR, CSD1489B		C206	87-010-184-080		C-CAP,S 3300P-50 KB
	87-A30-084-080	TR, CSB1058B		C207	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-071-080	C-TR, RT1N 144C		C208	87-010-404-080		CAP,E 4.7-50 M SME
	87-026-211-080	C-TR, DTA144EK		C209	87-010-404-080		CAP,E 4.7-50 M SME
	87-026-609-080	TR, KTA1266GR		C210	87-010-404-080		CAP,E 4.7-50 M SME
	87-A30-086-070	C-TR, CSD1306E		C211	87-010-186-080		C-CAP,S 4700P-50 KB
	87-A30-106-070	C-TR, CMBT5551		C212	87-010-186-080		C-CAP,S 4700P-50 KB
	87-A30-111-080	TR, C2N5401		C213	87-010-260-080		CAP,E 47-25 SME
	87-A30-097-010	TR, FN1016		C214	87-010-260-080		CAP,E 47-25 SME
	87-A30-098-010	TR, FP1016		C215	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A30-089-010	FET, 2SK2723		C219	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-072-080	C-TR, RT1P 144C		C220	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-087-080	C-FET, 2SK2158		C221	87-012-368-080		C-CAP,S 0.1-50 ZF
	87-A30-074-080	C-TR, RT1P 141C		C222	87-012-368-080		C-CAP,S 0.1-50 ZF
	89-327-143-080	C-TR, 2SC2714(O)		C223	87-010-194-080		C-CAP,S 0.047-25 ZF
	89-505-434-540	C-FET, 2SK543-TB(4/5)		C225	87-A10-516-080		C-CAP,S 100P-200 JC
	87-A30-112-080	TR, C2N5551		C226	87-A10-516-080		C-CAP,S 100P-200 JC
	89-420-612-080	TR, 2SD2061 (2W)		C229	87-016-461-080		C-CAP,S 0.47-16 ZF
	87-026-232-080	TR, DTA144WK		C230	87-016-461-080		C-CAP,S 0.47-16 ZF
DIODE				C242	87-010-406-080		CAP,E 22-50 M SME
	87-A40-246-080	DIODE, 1N4148T-72		C243	87-010-197-080		C-CAP,S 0.01-25 KB
	87-017-654-010	DIODE, GBU6JL6131		C244	87-010-406-080		CAP,E 22-50 M SME
	87-017-437-080	DIODE, 1N4148M		C301	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-269-080	C-DIODE, MC2836		C302	87-010-318-080		C-CAP,S 47P-50 J CH
	87-A40-270-080	C-DIODE, MC2838		C303	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-070-274-080	DIODE, 1N4003 SEM		C304	87-012-157-080		C-CAP,S 330P-50 J CH GRM
	87-A40-205-080	ZENER, UZ6.2BSC		C305	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-211-080	ZENER, UZ36BSA		C306	87-012-145-080		C-CAP,S 270P-50 J CH
	87-A40-206-080	ZENER, UZ10BSC		C307	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
	87-A40-004-080	ZENER, MTZJ16A		C311	87-010-198-080		C-CAP,S 0.022-25 KB
	87-A40-370-090	DIODE, RK46-P20		C312	87-010-198-080		C-CAP,S 0.022-25 KB
	87-A40-202-080	ZENER, UZ5.1BSB		C313	87-010-180-080		C-CAP,S 1500P-50 KB
	87-017-481-080	ZENER, UZ-5.6BSB		C314	87-010-180-080		C-CAP,S 1500P-50 KB
	87-A40-192-080	ZENER, UZ4.3BSA		C315	87-010-178-080		C-CAP,S 1000P-50 KB
	87-A40-239-080	ZENER, UZ5.6BSA		C316	87-010-178-080		C-CAP,S 1000P-50 KB
MAIN C.B				C317	87-012-142-080		C-CAP,S 0.33-16 ZF
	C101	87-A10-231-090	CAP,E 3300-80	C318	87-012-142-080		C-CAP,S 0.33-16 ZF
				C319	87-012-141-080		C-CAP,S 0.22-16 ZF
				C320	87-012-141-080		C-CAP,S 0.22-16 ZF
				C321	87-012-141-080		C-CAP,S 0.22-16 ZF
				C322	87-012-141-080		C-CAP,S 0.22-16 ZF
				C324	87-010-260-080		CAP,E 47-25 SME
				C325	87-010-370-080		CAP,E 330-6.3 M SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C327	87-010-404-080	CAP,E 4.7-50 M SME		C704	87-010-197-080	C-CAP,S 0.01-25 KB	
C328	87-010-404-080	CAP,E 4.7-50 M SME		C711	87-010-263-080	CAP,E 100-10 SME	
C332	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C712	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C335	87-010-401-080	CAP,E 1-50 M SME		C713	87-010-197-080	C-CAP,S 0.01-25 KB	
C336	87-010-401-080	CAP,E 1-50 M SME		C714	87-010-197-080	C-CAP,S 0.01-25 KB	
C337	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C721	87-010-312-080	C-CAP,S 15P-50 J CH	
C339	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C722	87-010-312-080	C-CAP,S 15P-50 J CH	
C340	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C723	87-010-178-080	C-CAP,S 1000P-50 KB	
C351	87-012-140-080	C-CAP,S 470P-50 J CH		C725	87-010-178-080	C-CAP,S 1000P-50 KB	
C352	87-012-140-080	C-CAP,S 470P-50 J CH		C727	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C354	87-010-175-080	C-CAP,S 560P-50 J SL		C728	87-010-248-080	CAP,E 220-10 SME	
C355	87-010-178-080	C-CAP,S 1000P-50 KB		C755	87-010-197-080	C-CAP,S 0.01-25 KB	
C356	87-010-260-080	CAP,E 47-25 SME		C756	87-010-197-080	C-CAP,S 0.01-25 KB	
C357	87-010-197-080	C-CAP,S 0.01-25 KB		C757	87-010-318-080	C-CAP,S 47P-50 J CH	
C358	87-010-183-080	C-CAP,S 2700P-50 KB		C758	87-010-149-080	C-CAP,S 5P-50 CH	
C359	87-010-183-080	C-CAP,S 2700P-50 KB		C761	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C360	87-010-183-080	C-CAP,S 2700P-50 KB		C762	87-010-197-080	C-CAP,S 0.01-25 KB	
C370	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C763	87-010-194-080	C-CAP,S 0.047-25 ZF	
C371	87-010-179-080	C-CAP,S 1200P-50 KB		C765	87-010-197-080	C-CAP,S 0.01-25 KB	
C372	87-010-179-080	C-CAP,S 1200P-50 KB		C766	87-010-197-080	C-CAP,S 0.01-25 KB	
C373	87-010-179-080	C-CAP,S 1200P-50 KB		C767	87-010-405-080	CAP,E 10-50 M SME	
C374	87-010-179-080	C-CAP,S 1200P-50 KB		C768	87-010-197-080	C-CAP,S 0.01-25 KB	
C375	87-010-545-080	CAP,E 0.22-50 M SME		C769	87-010-408-080	CAP,E 47-50 SME	
C376	87-010-545-080	CAP,E 0.22-50 M SME		C770	87-015-821-080	C-CAP, 0.047-50 ZF GR	
C378	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C771	87-010-407-080	CAP,E 33-50 SME	
C381	87-010-197-080	C-CAP,S 0.01-25 KB		C772	87-010-194-080	C-CAP,S 0.047-25 ZF	
C382	87-010-318-080	C-CAP,S 47P-50 J CH		C773	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C383	87-010-197-080	C-CAP,S 0.01-25 KB		C774	87-010-263-080	CAP,E 100-10 SME	
C384	87-010-402-080	CAP,E 2.2-50 M SME		C775	87-010-404-080	CAP,E 4.7-50 M SME	
C385	87-010-184-080	C-CAP,S 3300P-50 KB		C776	87-010-197-080	C-CAP,S 0.01-25 KB	
C386	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C777	87-010-400-080	CAP,E 0.47-50 M SME	
C388	87-010-154-080	C-CAP,S 10P-50 D CH		C778	87-010-401-080	CAP,E 1-50 M SME	
C401	87-010-187-080	C-CAP,S 5600P-50 KB		C779	87-010-401-080	CAP,E 1-50 M SME	
C402	87-010-187-080	C-CAP,S 5600P-50 KB		C780	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C403	87-010-405-080	CAP,E 10-50 M SME		C781	87-010-405-080	CAP,E 10-50 M SME	
C404	87-010-405-080	CAP,E 10-50 M SME		C782	87-010-405-080	CAP,E 10-50 M SME	
C405	87-010-260-080	CAP,E 47-25 SME		C783	87-015-819-080	C-CAP,0.01-50 K B	
C406	87-010-101-080	CAP,E 220-16 SME		C784	87-010-197-080	C-CAP,S 0.01-25 KB	
C407	87-010-188-080	C-CAP,S 6800P-50 KB		C785	87-010-400-080	CAP,E 0.47-50 M SME	
C408	87-010-188-080	C-CAP,S 6800P-50 KB		C786	87-010-400-080	CAP,E 0.47-50 M SME	
C409	87-012-140-080	C-CAP,S 470P-50 J CH		C787	87-010-184-080	C-CAP,S 3300P-50 KB	
C410	87-012-140-080	C-CAP,S 470P-50 J CH		C788	87-010-184-080	C-CAP,S 3300P-50 KB	
C411	87-010-197-080	C-CAP,S 0.01-25 KB		C789	87-010-179-080	C-CAP,S 1200P-50 KB	
C412	87-010-197-080	C-CAP,S 0.01-25 KB		C790	87-010-179-080	C-CAP,S 1200P-50 KB	
C413	87-010-195-080	C-CAP,S 0.068-25 ZF C2012		C791	87-010-405-080	CAP,E 10-50 M SME	
C414	87-010-195-080	C-CAP,S 0.068-25 ZF C2012		C793	87-010-178-080	C-CAP,S 1000P-50 KB	
C415	87-010-404-080	CAP,E 4.7-50 M SME		C794	87-010-406-080	CAP,E 22-50 M SME	
C416	87-010-404-080	CAP,E 4.7-50 M SME		C795	87-010-596-080	C-CAP,S 0.047-16 KR	
C417	87-010-404-080	CAP,E 4.7-50 M SME		C796	87-010-403-080	CAP,E 3.3-50 M SME	
C418	87-010-404-080	CAP,E 4.7-50 M SME		C797	87-010-182-080	C-CAP,S 2200P-50 KB	
C421	87-010-401-080	CAP,E 1-50 M SME		C798	87-010-182-080	C-CAP,S 2200P-50 KB	
C422	87-010-401-080	CAP,E 1-50 M SME		C799	87-010-194-080	C-CAP,S 0.047-25 ZF	
C516	87-010-196-080	C-CAP,S 0.1-25 ZF		C812	87-010-197-080	C-CAP,S 0.01-25 KB	
C605	87-010-180-080	C-CAP,S 1500P-50 KB		C814	87-010-197-080	C-CAP,S 0.01-25 KB	
C606	87-010-180-080	C-CAP,S 1500P-50 KB		C820	87-010-408-080	CAP,E 47-50 SME	
C611	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C821	87-010-197-080	C-CAP,S 0.01-25 KB	
C613	87-010-404-080	CAP,E 4.7-50 M SME		C822	87-010-197-080	C-CAP,S 0.01-25 KB	
C614	87-010-404-080	CAP,E 4.7-50 M SME		C823	87-010-197-080	C-CAP,S 0.01-25 KB	
C615	87-010-183-080	C-CAP,S 2700P-50 KB		C828	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C619	87-010-263-080	CAP,E 100-10 SME		C829	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C620	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C959	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C621	87-010-263-080	CAP,E 100-10 SME		C960	87-010-196-080	C-CAP,S 0.1-25 ZF C2012	
C622	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		C961	87-010-152-080	C-CAP,S 8P-50 D CH	
C623	87-010-194-080	C-CAP,S 0.047-25 ZF		CF801	87-008-261-010	FLTR,CFSFE10.7MA5	
C629	87-010-196-080	C-CAP,S 0.1-25 ZF C2012		CF802	87-008-261-010	FLTR,CFSFE10.7MA5	
C646	87-010-322-080	C-CAP,S 100P-50 J CH		FC602	88-906-241-110	FF-CABLE, 6P 1.25	
C647	87-010-322-080	C-CAP,S 100P-50 J CH		FFE801	A8-7ZA-293-070	7ZA-2 YFEUNC	
C701	87-010-381-080	CAP,E 330-16 SME		J252	87-A60-031-010	JACK,DIA6.3 BLK ST W/S	
C702	87-010-404-080	CAP,E 4.7-50 M SME		J253	87-A60-413-010	JACK,PIN 1P BLK YKC 21-3466	
C703	87-010-197-080	C-CAP,S 0.01-25 KB					

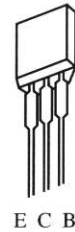
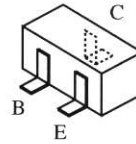
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
J254	87-A60-238-010		TERMINAL, SP 4P(MSC)	C403	87-010-992-080		C-CAP,S 0.047-25 KB MK212
J601	87-A60-426-010		JACK, PIN 6P YKC21-3835	C404	87-010-992-080		C-CAP,S 0.047-25 KB MK212
J801	87-A60-202-010		TERMINAL, ANT 4P MSP-154V-02	C405	87-010-401-040		CAP,E 1-50 M SME
L201	87-003-383-010		COIL, 1UH K	C406	87-010-494-040		CAP,E 1-50 5L SRE
L202	87-003-383-010		COIL, 1UH K	C407	87-010-184-080		C-CAP,S 3300P-50 KB
L301	87-A50-049-010		COIL, TRAP 85K(COI)	C408	87-010-184-080		C-CAP,S 3300P-50 KBB
L302	87-A50-049-010		COIL, TRAP 85K(COI)	C409	87-010-592-080		C-CAP,S 0.022-16 KR GRM
L351	87-007-342-010		COIL, OSC 85KHZ BIAS	C410	87-010-592-080		C-CAP,S 0.022-16 KR GRM
L601	87-003-231-080		C-COIL, 2125 1UH K ML	C411	87-A10-201-080		C-CAP,S 0.33-16 KB
L770	87-005-849-080		COIL, 10UH K CECS	C412	87-A10-201-080		C-CAP,S 0.33-16 KB
L771	87-A50-165-010		COIL, FM DET-N(TOK)	C413	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L772	87-A90-245-010		FLTR, CFAZH-450 (TOK)	C414	87-010-374-040		CAP,E 47-10 SME
L791	87-003-293-010		COIL, TRAP MPX	C415	87-010-374-040		CAP,E 47-10 SME
L792	87-003-293-010		COIL, TRAP MPX	C416	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
L832	87-005-847-080		COIL, 2.2UH K CECS	C417	87-016-081-080		C-CAP,S 0.1-16 KR
L981	87-NF4-650-010		COIL, AM PACK4N(TOK)	C418	87-010-405-040		CAP,E 10-50 M SME
PR201	87-026-691-080		FUSE, 10A 125V 251	C501	87-010-319-080		C-CAP,S 56P-50 J CH
PR202	87-026-691-080		FUSE, 10A 125V 251	C502	87-010-319-080		C-CAP,S 56P-50 J CH
R123	87-022-200-080		RES,M/F 0.56-1W J	C503	87-012-393-080		C-CAP,S 0.22-16 K W5R CM/CB
R231	87-A00-262-080		RES,M/F 0.15-2W J	C504	87-010-197-080		C-CAP,S 0.01-25 KB
R232	87-A00-262-080		RES,M/F 0.15-2W J	C505	87-010-180-080		C-CAP,S 1500P-50 KB
RY101	87-045-389-010		RELAY, 12V OSA-SS-212DM5	C506	87-010-213-080		C-CAP,S 0.015-25 KB
RY201	87-045-382-010		RELAY, 12V OUAZ-SH-112L	C507	87-010-213-080		C-CAP,S 0.015-25 KB
SFR301	87-024-435-080		SFR, 33K H RH063MC	C508	87-010-197-080		C-CAP,S 0.01-25 KB
SFR302	87-024-435-080		SFR, 33K H RH063MC	C509	87-010-181-080		C-CAP,S 1800P-50 KB
SFR303	87-024-435-080		SFR, 33K H RH063MC	C510	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
SFR304	87-024-435-080		SFR, 33K H RH063MC	C511	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
SFR305	87-024-436-080		SFR, 47K H RH063MC	C512	87-010-374-040		CAP,E 47-10 SME
SFR306	87-024-436-080		SFR, 47K H RH063MC	C513	87-010-401-040		CAP,E 1-50 M SME
SFR351	87-024-436-080		SFR, 47K H RH063MC	C514	87-010-401-040		CAP,E 1-50 M SME
SFR352	87-024-436-080		SFR, 47K H RH063MC	C515	87-010-183-080		C-CAP,S 2700P-50 KB
W1	85-NF5-628-010		F-CABLE, 7P-2.5	C516	87-010-183-080		C-CAP,S 2700P-50 KB
X721	87-A70-061-010		VIB, XTAL 4.500MHZ CSA-309	C518	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
				C519	87-010-263-040		CAP,E 100-10 M SME
FRONT C.B				C533	87-010-545-040		CAP,E 0.22-50 M SME
C101	87-010-198-080		C-CAP,S 0.022-25 KB	C601	87-010-405-040		CAP,E 10-50 M SME
C102	87-010-198-080		C-CAP,S 0.022-25 KB	C602	87-010-186-080		C-CAP,S 4700P-50 KB
C103	87-010-197-080		C-CAP,S 0.01-25 KB	C603	87-010-405-040		CAP,E 10-50 M SME
C104	87-010-312-080		C-CAP,S 15P-50 J CH	C604	87-010-382-040		CAP,E 22-25 SME
C105	87-010-316-080		C-CAP,S 33P-50 J CH	C605	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C106	87-010-320-080		C-CAP,S 68P-50 J CH	C607	87-010-321-080		C-CAP,S 82P-50 J CH
C107	87-012-157-080		C-CAP,S 330P-50 J CH GRM	C608	87-010-196-080		C-CAP,S 0.1-25 ZF C2012
C108	87-010-405-040		CAP,E 10-50 M SME	C609	87-010-545-040		CAP,E 0.22-50 M SME
C109	87-010-494-040		CAP,E 1-50 5L SRE	C611	87-010-177-080		C-CAP,S 820P-50 J SL
C110	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	C614	87-010-248-040		CAP,E 220-10 M SME
C111	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	FB601	87-008-372-080		FLTR, EMIBL01 RN1
C112	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	FC104	85-NF5-615-010		CABLE, FFC 15P-1.25
C113	87-A10-189-040		CAP,E 220-10 M	FC301	85-NF5-617-010		CABLE, FFC 6P-1.25
C114	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	FC102	85-NF5-618-010		CABLE, FFC 13P-1.25
C115	87-010-178-080		C-CAP,S 1000P-50 KB	FL101	87-NF4-640-010		FL, BJ529GK
C116	87-010-494-040		CAP,E 1-50 5L SRE	J601	87-A60-284-010		JACK, 3.5MO(MSC)
C117	87-010-555-040		CAP,E 100-10 5L SRE	J602	87-A60-284-010		JACK, 3.5MO(MSC)
C118	87-010-194-080		C-CAP,S 0.047-25 ZF	L501	87-005-448-080		COIL, 220UH K FLR50
C119	87-010-408-040		CAP,E 47-50 M SME	LED201	87-A40-317-080		LED, SLR-342VCT31 RED
C120	87-010-404-040		CAP,E 4.7-50 SME	LED202	87-A40-317-080		LED, SLR-342VCT31 RED
C121	87-010-404-040		CAP,E 4.7-50 SME	LED203	87-A40-317-080		LED, SLR-342VCT31 RED
C122	87-010-194-080		C-CAP,S 0.047-25 ZF	LED204	87-A40-317-080		LED, SLR-342VCT31 RED
C123	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED205	87-A40-317-080		LED, SLR-342VCT31 RED
C124	87-018-209-080		CAP, TC U 0.1-50 ZF UP050	LED206	87-A40-316-080		LED, SLR-56PCT31 GRN
C125	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED207	87-A40-316-080		LED, SLR-56PCT31 GRN
C127	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED208	87-A40-316-080		LED, SLR-56PCT31 GRN
C130	87-010-178-080		C-CAP,S 1000P-50 KB	LED209	87-A40-316-080		LED, SLR-56PCT31 GRN
C201	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED210	87-A40-316-080		LED, SLR-56PCT31 GRN
C351	87-012-158-080		C-CAP,S 390P-50 J CH GRM	LED211	87-A40-316-080		LED, SLR-56PCT31 GRN
C352	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED212	87-A40-316-080		LED, SLR-56PCT31 GRN
C353	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED213	87-A40-316-080		LED, SLR-56PCT31 GRN
C354	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED214	87-A40-316-080		LED, SLR-56PCT31 GRN
C355	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED215	87-A40-316-080		LED, SLR-56PCT31 GRN
C356	87-010-196-080		C-CAP,S 0.1-25 ZF C2012	LED216	87-A40-264-080		LED, SLH-56PCTE7 GRN
C357	87-010-196-080		C-CAP,S 0.1-25 ZF C2012				

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
LED217	87-A40-264-080	LED,SLH-56PCTE7 GRN	
LED218	87-A40-264-080	LED,SLH-56PCTE7 GRN	
LED219	87-A40-264-080	LED,SLH-56PCTE7 GRN	
LED220	87-A40-264-080	LED,SLH-56PCTE7 GRN	
LED221	87-A40-264-080	LED,SLH-56PCTE7 GRN	
LED233	87-A40-265-010	LED,SLH-56PCL GRN	
LED234	87-A40-265-010	LED,SLH-56PCL GRN	
LED235	87-A40-267-010	LED,SLH-56VCL RED	
LED236	87-A40-267-010	LED,SLH-56VCL RED	
LED237	87-A40-265-010	LED,SLH-56PCL GRN	
LED238	87-A40-265-010	LED,SLH-56PCL GRN	
S300	87-A90-095-080	SW,TACT EVQ11G04M	
S302	87-A90-095-080	SW,TACT EVQ11G04M	
S303	87-A90-095-080	SW,TACT EVQ11G04M	
S304	87-A90-095-080	SW,TACT EVQ11G04M	
S305	87-A90-095-080	SW,TACT EVQ11G04M	
S306	87-A90-095-080	SW,TACT EVQ11G04M	
S307	87-A90-095-080	SW,TACT EVQ11G04M	
S308	87-A90-095-080	SW,TACT EVQ11G04M	
S314	87-A90-095-080	SW,TACT EVQ11G04M	
S315	87-A90-095-080	SW,TACT EVQ11G04M	
S316	87-A90-095-080	SW,TACT EVQ11G04M	
S317	87-A90-095-080	SW,TACT EVQ11G04M	
S318	87-A90-095-080	SW,TACT EVQ11G04M	
S319	87-A90-095-080	SW,TACT EVQ11G04M	
S320	87-A90-095-080	SW,TACT EVQ11G04M	
S322	87-A90-095-080	SW,TACT EVQ11G04M	
S326	87-A90-095-080	SW,TACT EVQ11G04M	
S327	87-A90-095-080	SW,TACT EVQ11G04M	
S328	87-A90-095-080	SW,TACT EVQ11G04M	
S329	87-A90-095-080	SW,TACT EVQ11G04M	
S330	87-A90-095-080	SW,TACT EVQ11G04M	
S331	87-A90-095-080	SW,TACT EVQ11G04M	
S332	87-A90-095-080	SW,TACT EVQ11G04M	
S341	87-A90-095-080	SW,TACT EVQ11G04M	
SW101	87-A90-471-010	SW,RTRY EC16B24304-25 NON	
X101	87-A70-070-080	VIB,CER 5.76MHZ CRHF	
KEY C.B			
LED230	87-A40-317-080	LED,SLR-342VCT31 RED	
LED231	87-A40-317-080	LED,SLR-342VCT31 RED	
LED232	87-A40-317-080	LED,SLR-342VCT31 RED	
S309	87-A90-095-080	SW,TACT EVQ11G04M	
S310	87-A90-095-080	SW,TACT EVQ11G04M	
S311	87-A90-095-080	SW,TACT EVQ11G04M	
S312	87-A90-095-080	SW,TACT EVQ11G04M	
S313	87-A90-095-080	SW,TACT EVQ11G04M	
FAN C.B			
C130	87-010-401-080	CAP,E 1-50 M SME	
C131	87-010-263-080	CAP,E 100-10 SME	
C132	87-010-380-080	CAP,E 47-16 M SME	
RY103	87-A90-143-010	RELAY, DG12D2-OS (M)	
AC1 C.B			
F101	87-035-494-010	FUSE,10A 125V T 237	
FC1	87-A90-505-080	FUSE CLAMP,TP00351-5	
FC2	87-A90-505-080	FUSE CLAMP,TP00351-5	
PT101	87-NFR-631-010	PT,7NF-R U	
T1	87-A60-317-010	TERMINAL,1P MSC	
T2	87-A60-317-010	TERMINAL,1P MSC	
AC2 C.B			
PR1	87-026-691-080	FUSE,10A 125V 251	
PR2	87-026-691-080	FUSE,10A 125V 251	
PR3	87-026-690-080	FUSE,5A 125V 251	

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
PR4	87-026-690-080	FUSE,5A 125V 251	
PR5	87-026-691-080	FUSE,10A 125V 251	
PR6	87-026-691-080	FUSE,10A 125V 251	
DECK C.B			
CON502	87-099-756-010	CONN,15P 9604S F	
SFR1	87-024-581-010	SFR,3.3K DIA 6H	
SOL1	82-ZM1-618-310	SOL ASSY,27	
SOL2	82-ZM1-618-310	SOL ASSY,27	
SW1	87-036-110-010	SW,MICRO SPPB62	
SW2	87-036-110-010	SW,MICRO SPPB62	
SW3	87-036-110-010	SW,MICRO SPPB62	
SW4	87-036-110-010	SW,MICRO SPPB62	
SW5	87-A90-248-010	SW,MICRO ESE11SH2CXQ	
SW6	87-A90-248-010	SW,MICRO ESE11SH2CXQ	
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			
	85-ZM3-602-010	PWB,FLEX I	
HEAD-2 C.B			
	85-ZM3-602-010	PWB,FLEX I	
CON351	83-NEG-608-010	CONN ASSY,8P-RPB	
PRO C.B			
C101	87-012-368-080	C-CAP,S 0.1-50 F	
C102	87-012-368-080	C-CAP,S 0.1-50 F	
C103	87-010-398-090	CAP,E 2200-35V	
C104	87-010-398-090	CAP,E 2200-35V	
C106	87-010-382-080	CAP, ELECT 22-25V	
C109	87-016-369-080	C-CAP,S 0.033-25 B K	
C110	87-010-194-080	CAP, CHIP 0.047	
C112	87-010-196-080	CHIP CAPACITOR,0.1-25	
C201	87-010-186-080	CAP,CHIP 4700P	
C202	87-010-402-080	CAP, ELECT 2.2-50V	
C204	87-010-405-080	CAP, ELECT 10-50V	
C205	87-A10-596-080	C-CAP,S 100P-100 J CH	
C208	87-010-260-080	CAP, ELECT 47-25V	
C209	87-010-993-080	C-CAP,S 0.056-25 B	
C210	87-010-196-080	CHIP CAPACITOR,0.1-25	
C211	87-010-197-080	CAP, CHIP 0.01 DM	
C212	87-010-196-080	CHIP CAPACITOR,0.1-25	
C213	87-010-406-080	CAP, ELECT 22-50	
C301	87-010-183-080	C-CAP,S 2700P-50 B	
C302	87-010-402-080	CAP, ELECT 2.2-50V	
C304	87-010-382-080	CAP, ELECT 22-25V	
C305	87-A10-596-080	C-CAP,S 100P-100 J CH	
C308	87-010-260-080	CAP, ELECT 47-25V	
C309	87-010-993-080	C-CAP,S 0.056-25 B	
C310	87-010-196-080	CHIP CAPACITOR,0.1-25	
C311	87-010-197-080	CAP, CHIP 0.01 DM	
C312	87-010-196-080	CHIP CAPACITOR,0.1-25	
C313	87-010-406-080	CAP, ELECT 22-50	
C501	87-010-176-080	C-CAP,S 680P-50 SL	
C502	87-010-176-080	C-CAP,S 680P-50 SL	
C507	87-016-456-080	CAP,E 22-16 LLA	
C508	87-010-196-080	CHIP CAPACITOR,0.1-25	
C509	87-010-112-080	CAP, ELECT 100-16V	
C510	87-010-380-080	CAP, ELECT 47-16V	
C512	87-016-472-080	CAP,E 22-16 SME(K)	
C513	87-010-196-080	CHIP CAPACITOR,0.1-25	
C514	87-010-263-080	CAP, ELECT 100-10V	
C517	87-010-314-080	C-CAP,S 22P-50 J CH	
C518	87-010-378-080	CAP, ELECT 10-16V	

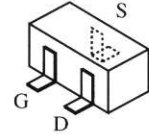
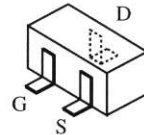
TRANSISTOR ILLUSTRATION

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C519	87-010-404-080		CAP, ELECT 4.7-50V
C520	87-010-404-080		CAP, ELECT 4.7-50V
C522	87-010-378-080		CAP, ELECT 10-16V
C523	87-010-400-080		CAP, ELECT 0.47-50V
C524	87-016-081-080		C-CAP,S 0.1-16 RK
C525	87-010-248-080		CAP, ELECT 220-10V
C526	87-012-140-080		CAP CHIP 470P
C527	87-010-186-080		CAP,CHIP 4700P
C528	87-010-186-080		CAP,CHIP 4700P
C529	87-010-404-080		CAP, ELECT 4.7-50V
C532	87-A10-229-080		C-CAP,S 0.68-10 K W5
C533	87-012-393-080		C-CAP,S 0.22-16 R K
C534	87-012-393-080		C-CAP,S 0.22-16 R K
C535	87-010-404-080		CAP, ELECT 4.7-50V
C536	87-010-404-080		CAP, ELECT 4.7-50V
C537	87-012-393-080		C-CAP,S 0.22-16 R K
C538	87-012-393-080		C-CAP,S 0.22-16 R K
C539	87-016-081-080		C-CAP,S 0.1-16 RK
C542	87-016-081-080		C-CAP,S 0.1-16 RK
C543	87-016-081-080		C-CAP,S 0.1-16 RK
C546	87-016-081-080		C-CAP,S 0.1-16 RK
C602	87-010-314-080		C-CAP,S 22P-50 J CH
C604	87-016-460-080		C-CAP,S 0.22-16 BK
C605	87-016-460-080		C-CAP,S 0.22-16 BK
C606	87-016-526-080		C-CAP,S 0.47-16 BK
C607	87-010-183-080		C-CAP,S 2700P-50 KB
C608	87-010-176-080		C-CAP,S 680P-50 J SL
C609	87-016-552-080		C-CAP,S 0.082-16 KB
C610	87-016-552-080		C-CAP,S 0.082-16 KB
C611	87-010-183-080		C-CAP,S 2700P-50 KB
C612	87-010-176-080		C-CAP,S 680P-50 J SL
C613	87-A10-201-080		C-CAP,S 0.33-16 KB
C615	87-010-263-080		CAP, ELECT 100-10V
C616	87-010-404-080		CAP, ELECT 4.7-50V
C618	87-010-263-080		CAP, ELECT 100-10V
C621	87-010-403-080		CAP, ELECT 3.3-50V
C622	87-A10-201-080		C-CAP,S 0.33-16 BK
C623	87-010-196-080		C-CAP,S 0.1-25 ZF
C701	87-010-401-080		CAP, ELECT 1-50V
C702	87-010-401-080		CAP, ELECT 1-50V
C703	87-010-263-080		CAP, ELECT 100-10V
C706	87-010-314-080		C-CAP,S 22P-50 J CH
C707	87-016-526-080		C-CAP,S 0.47-16 BK
C708	87-016-526-080		C-CAP,S 0.47-16 BK
C709	87-010-380-080		CAP, ELECT 47-16V
J201	87-A60-380-010		JACK,PIN 3P O/W/R YKC21-3
L201	87-003-383-010		COIL,1UH-S
L301	87-003-383-010		COIL,1UH-S
R215	87-A00-257-080		RES,M/F 0.15-1W J
R315	87-A00-257-080		RES,M/F 0.15-1W J
R524	87-022-365-080		C-RES,S 100K-1/10W F



2SA1235 DTA144
 2SC2714 RN1410
 2SC3052 RT1N141C
 CMBT5551 RT1N144C
 CSA1362 RT1P141C
 CSD1306 RT1P144C

2SA933



2SK2158

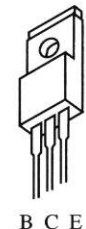
2SK543



KTA1266
 KTC3198

C2N5401

CSD1489
 CSB1058



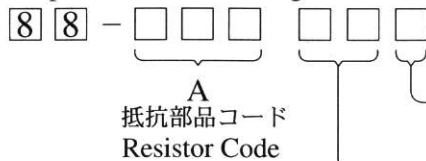
2SK2723

2SB1370
 2SD2061
 FN1016
 FP1016

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



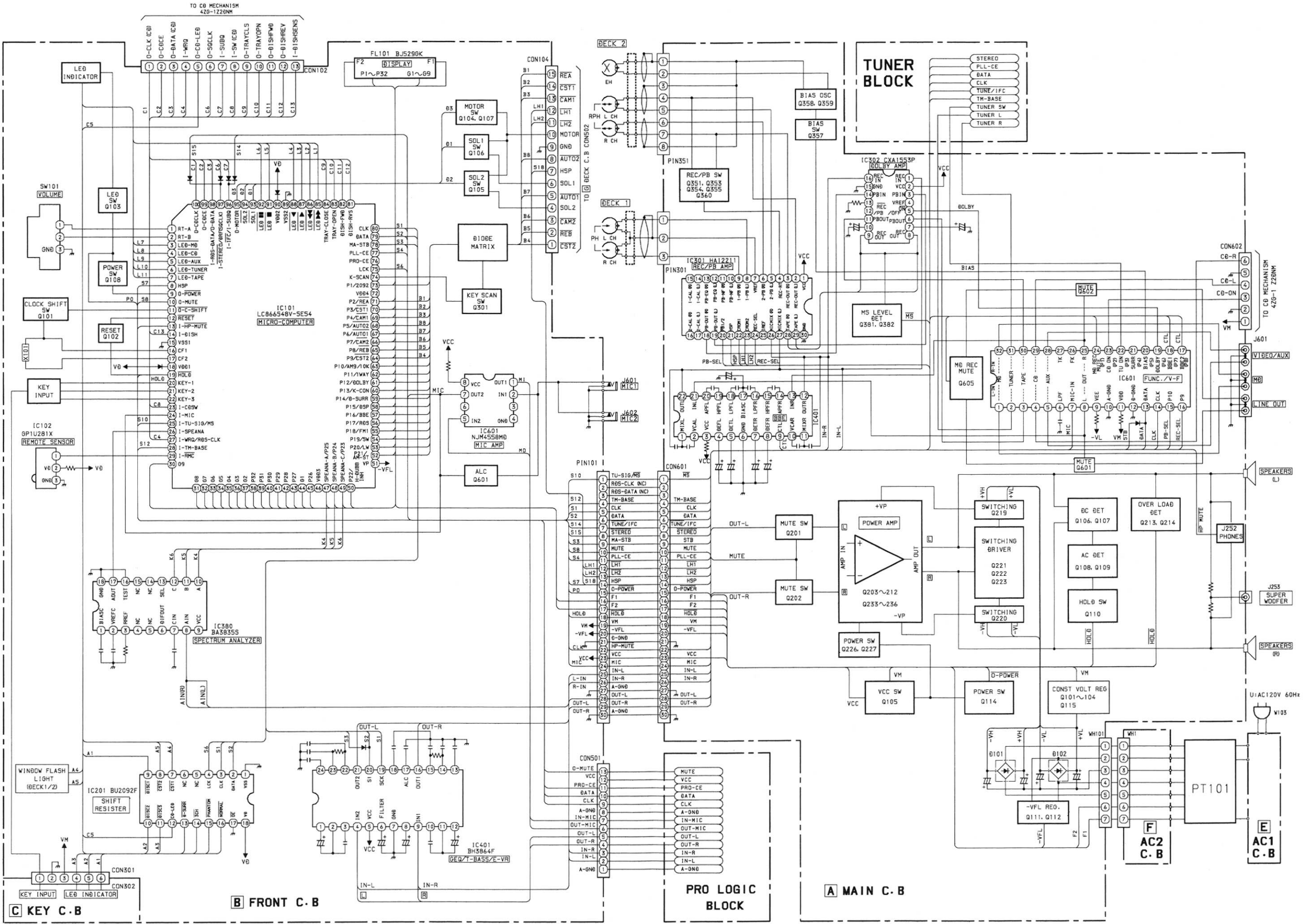
抵抗部品コード
 Resistor Code

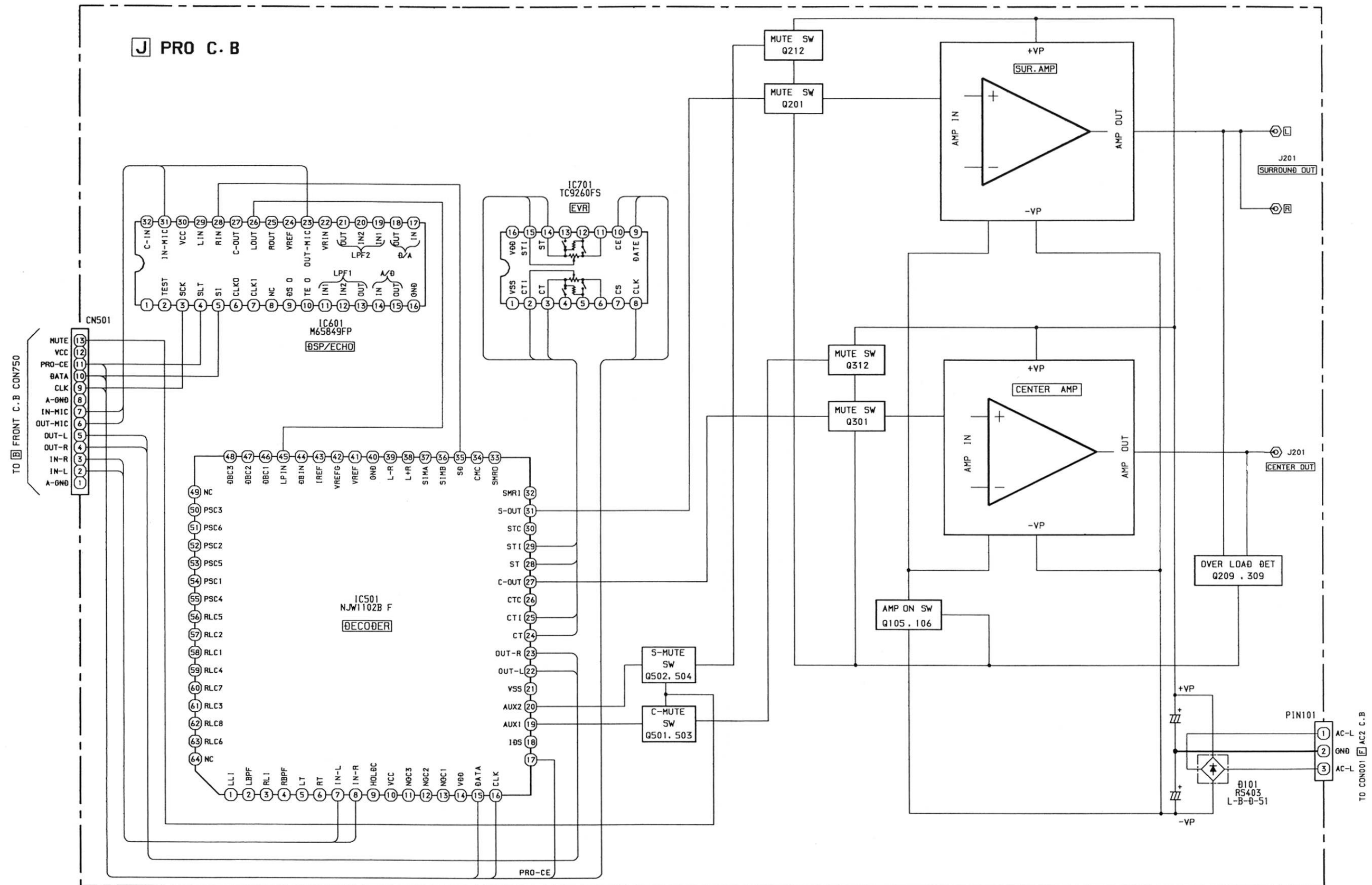
桁表示
 Figure
 抵抗値
 Value of resistor

チップ抵抗 Chip resistor

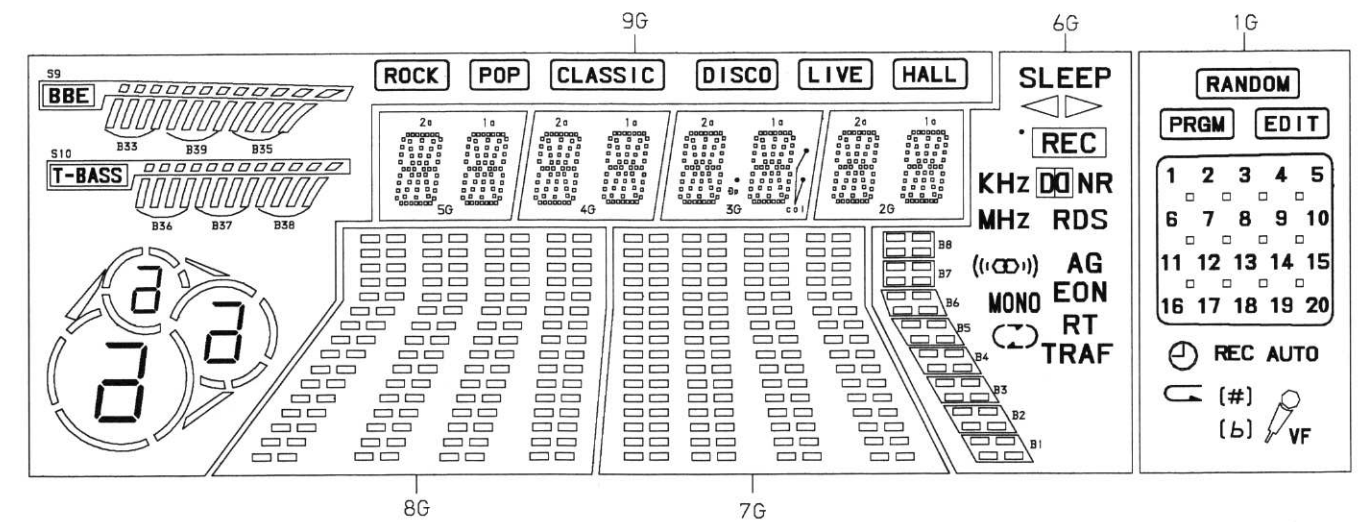
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形/Form	L	W	t	
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

BLOCK DIAGRAM - 1 (MAIN / FRONT)





FL, BJ529GK
GRID ASSIGNMENT

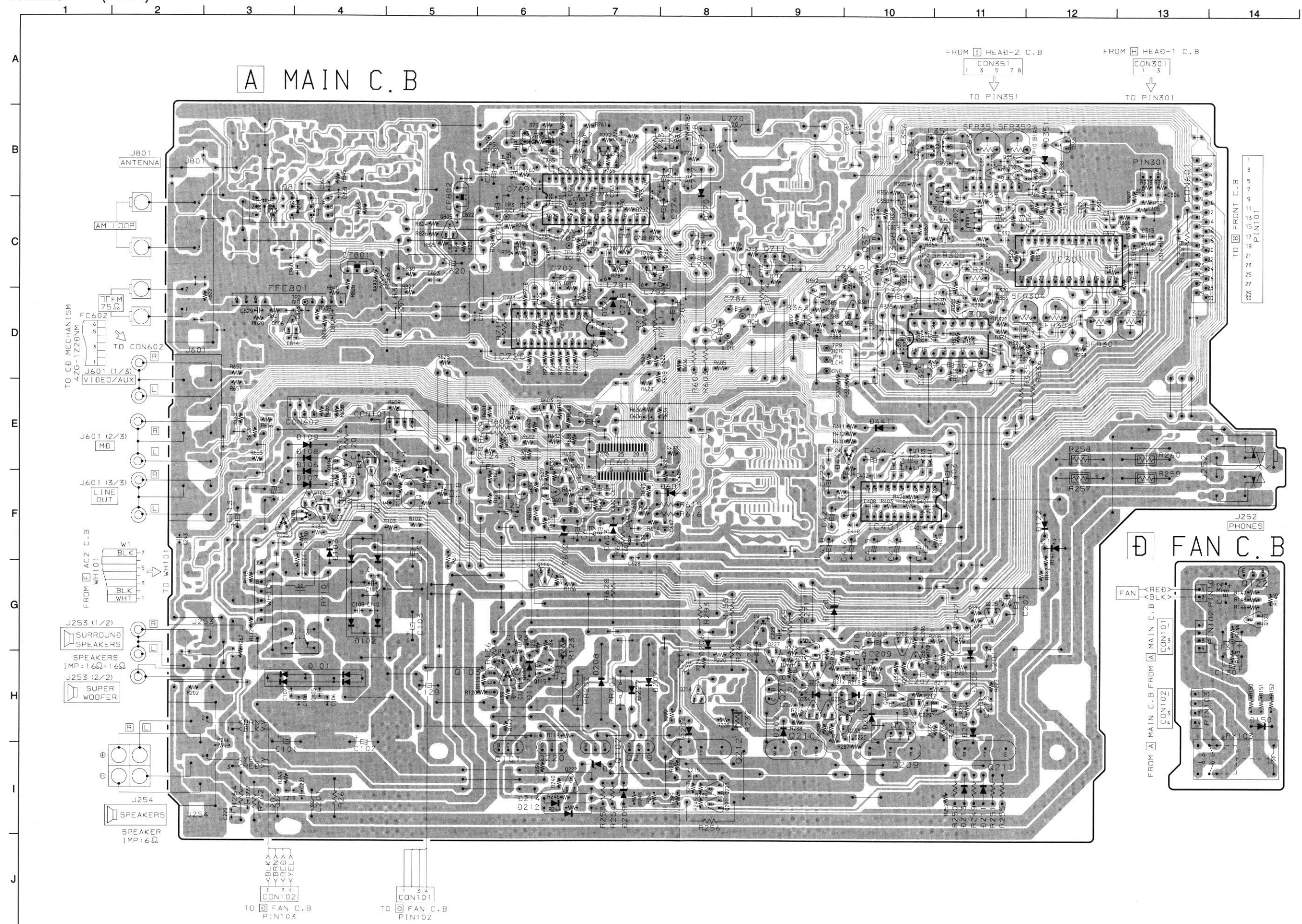


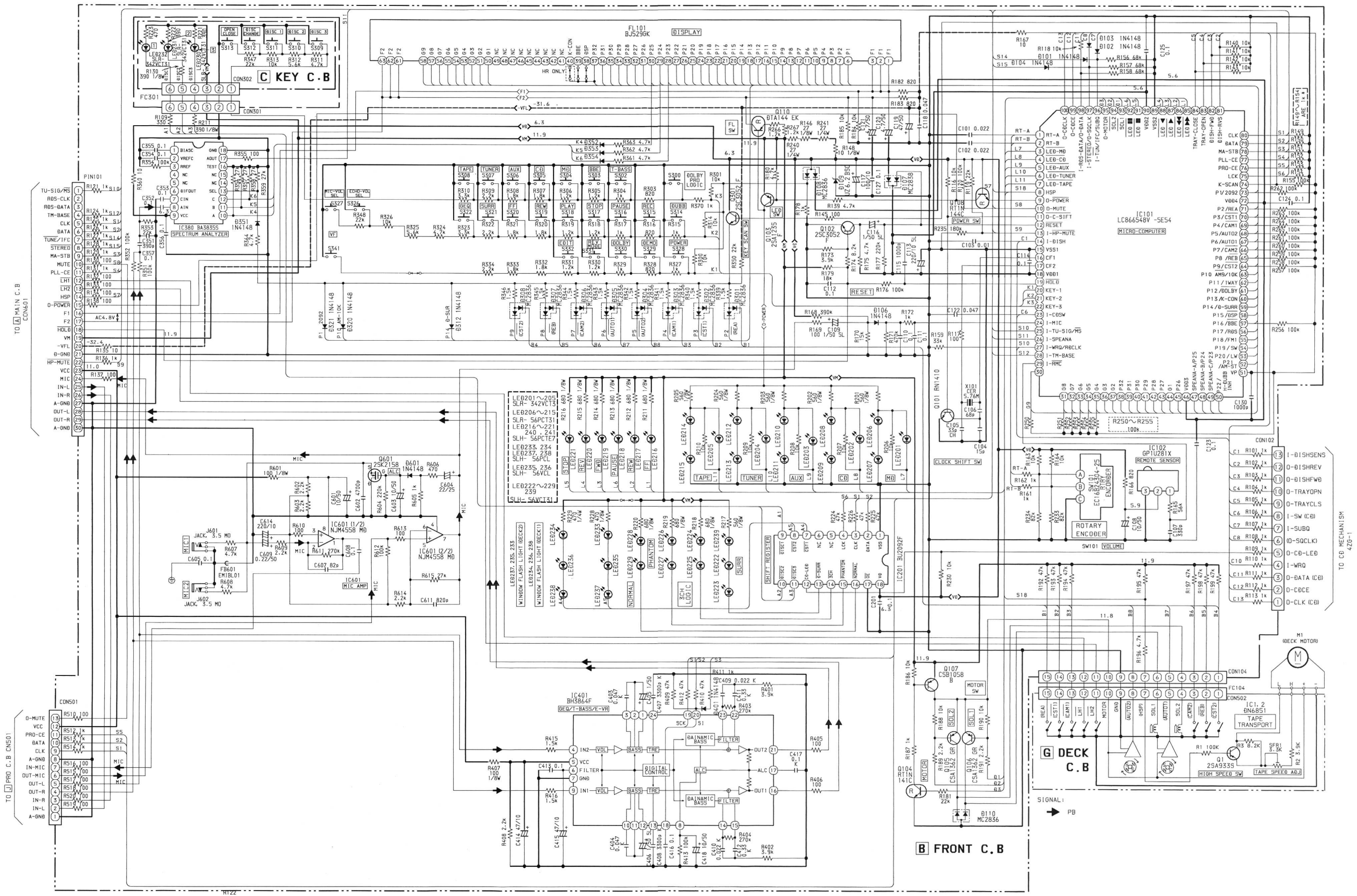
P19	B6	B12	-	2n	2n	2n	15
P20	 (HALL)	B4	B4	2p	2p	2p	16
P21	 (LIVE)	B27	AG	2r	2r	2r	17
P22	 (DISCO)	B19	{{(I⊗I)}}	2e	2e	2e	18
P23	 (CLASSIC)	B11	EON	2c	2c	2c	19
P24	 (POP)	B3	B3	2q	2q	2q	20
P25	 (ROCK)	B26	RT	2m	2m	2m	AUTO
P26	B36	B18	MONO	2f	2f	2f	 VF
P27	B37	B10	TRAF	2b	2b	2b	
P28	B38	B2	B2	2k	2k	2k	REC
P29	B33	B25	)	2j	2j	2j	
P30	B34	B17	z	2h	2h	2h	() (#)
P31	B35	B9	C	2a	2a	2a	() (b)
P32	ROCK POP CLASSIC S10	B1	B1	-	-	-	S1
P33	DISCO LIVE HALL	-	-	-	-	-	-
P34	S9	-	-	-	-	-	-
P35	-	-	-	-	-	-	b #

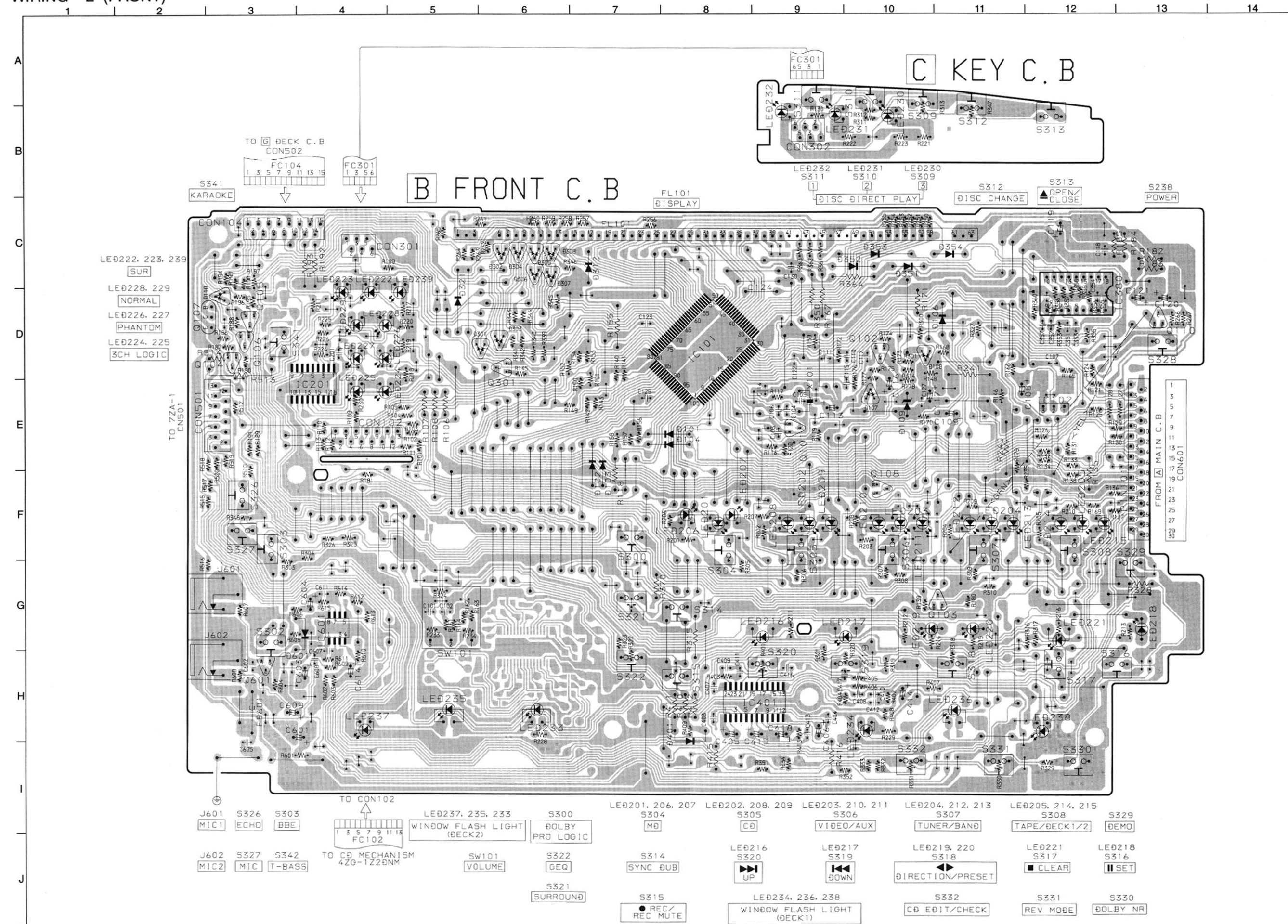
PIN NO.	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
CONNECTION	F2	F2	F2	NP	NP	96	86	76	66	56	46	36	26	16	NC	NC	NC	NC	NC	NC	NC	NC	NC	P35	P34	P33	P32	P31	P30	P29	P28	P27	P26

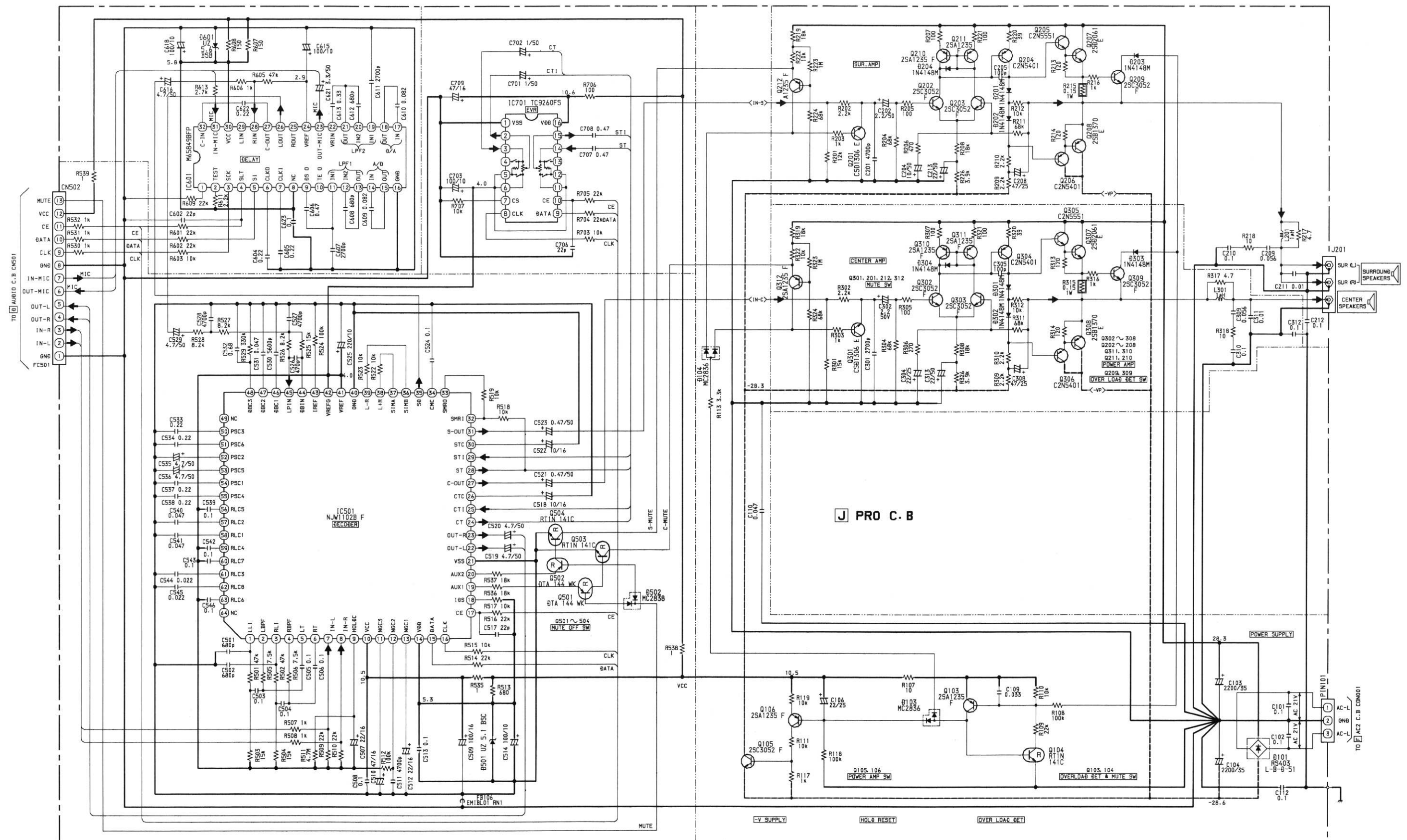
PIN NO.	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F1	F1	F1

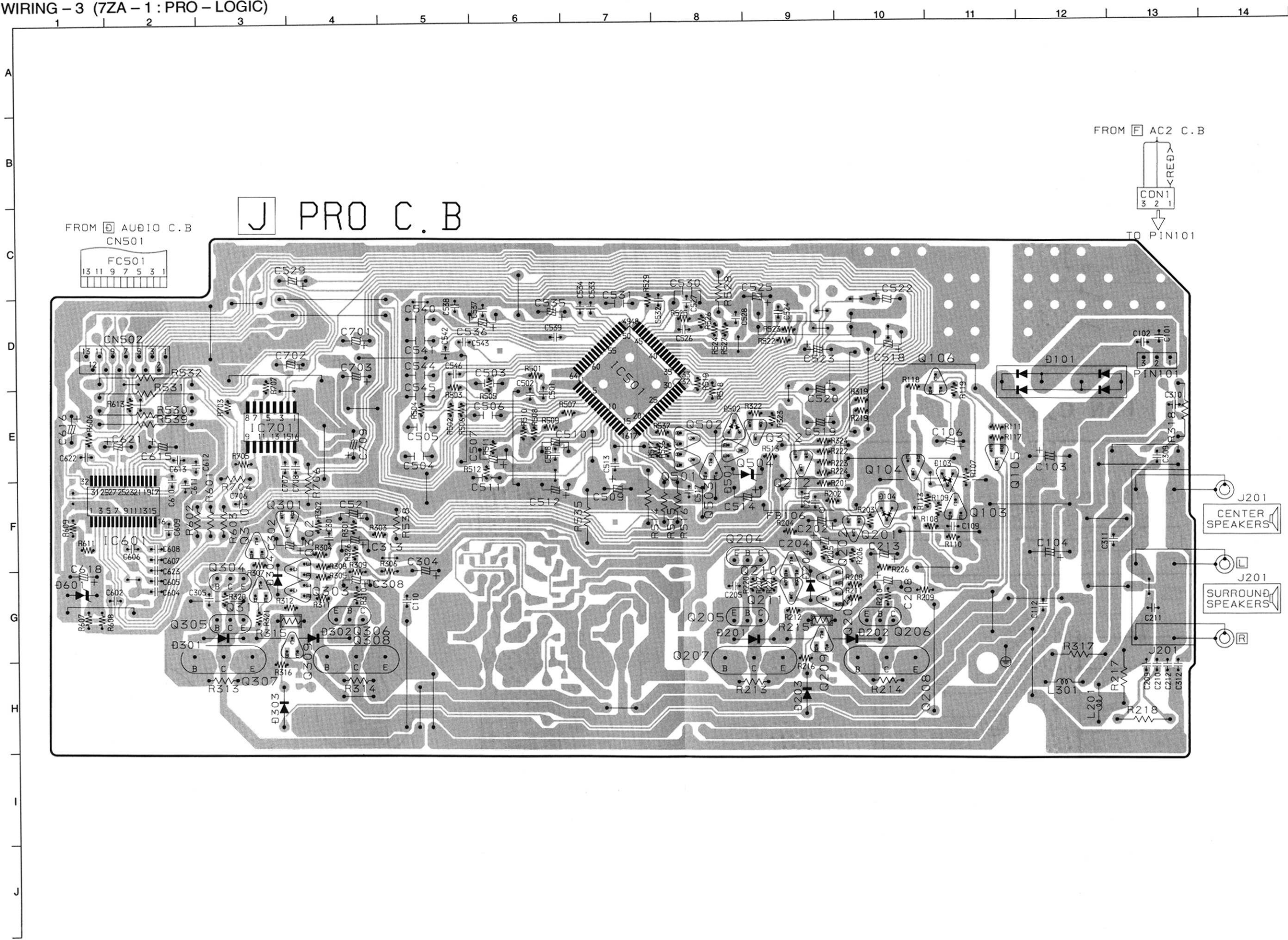
14



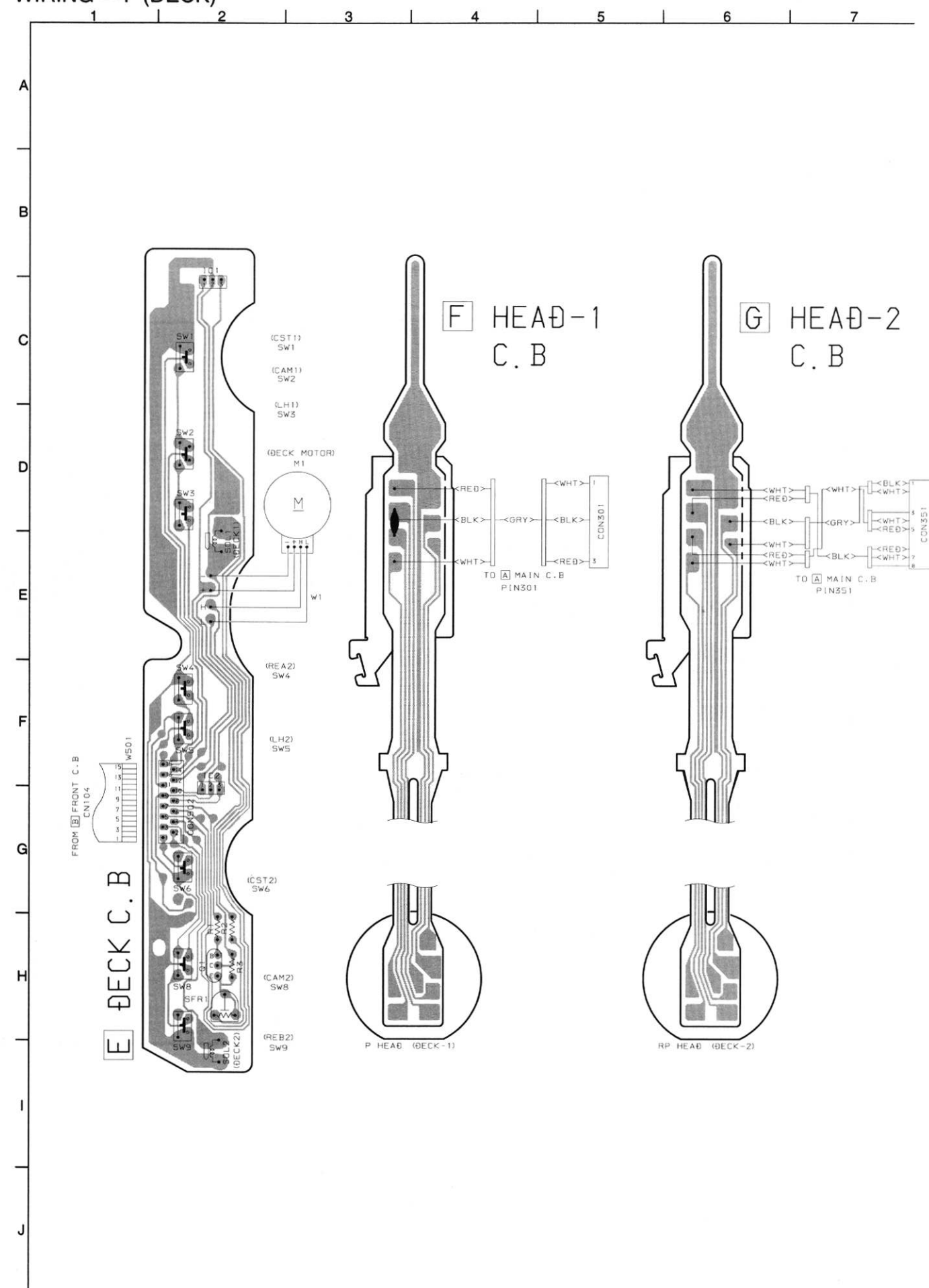
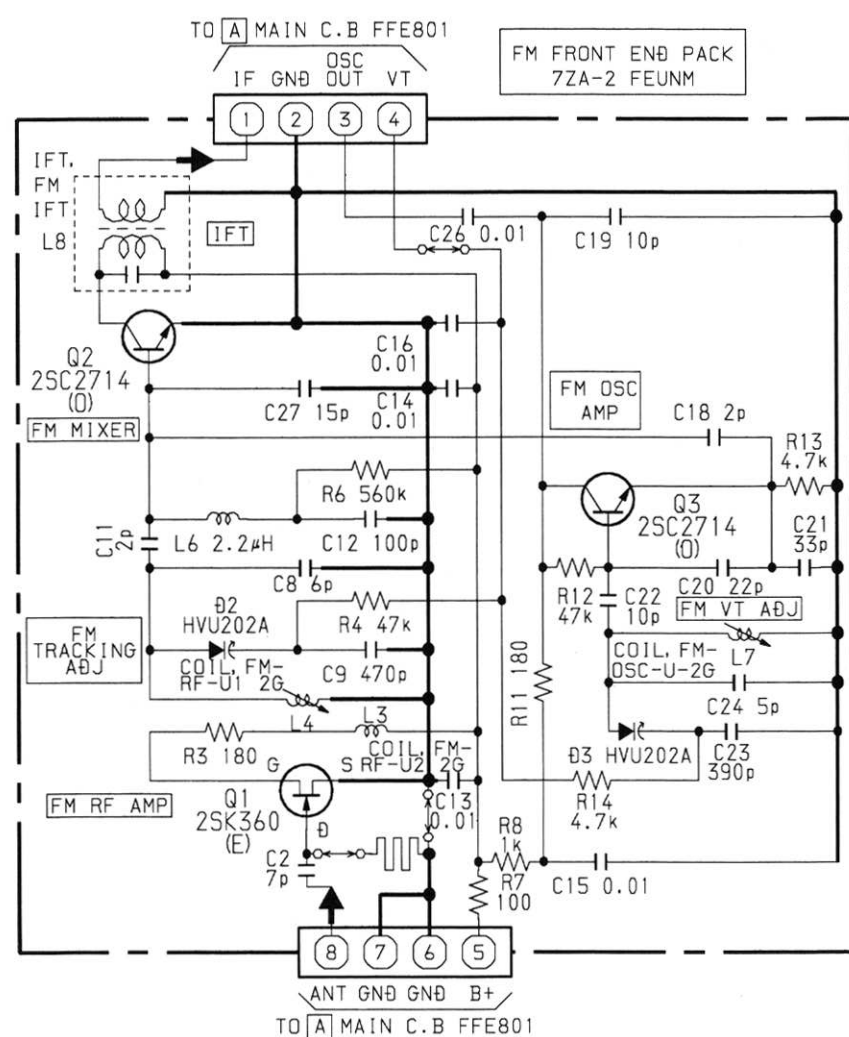




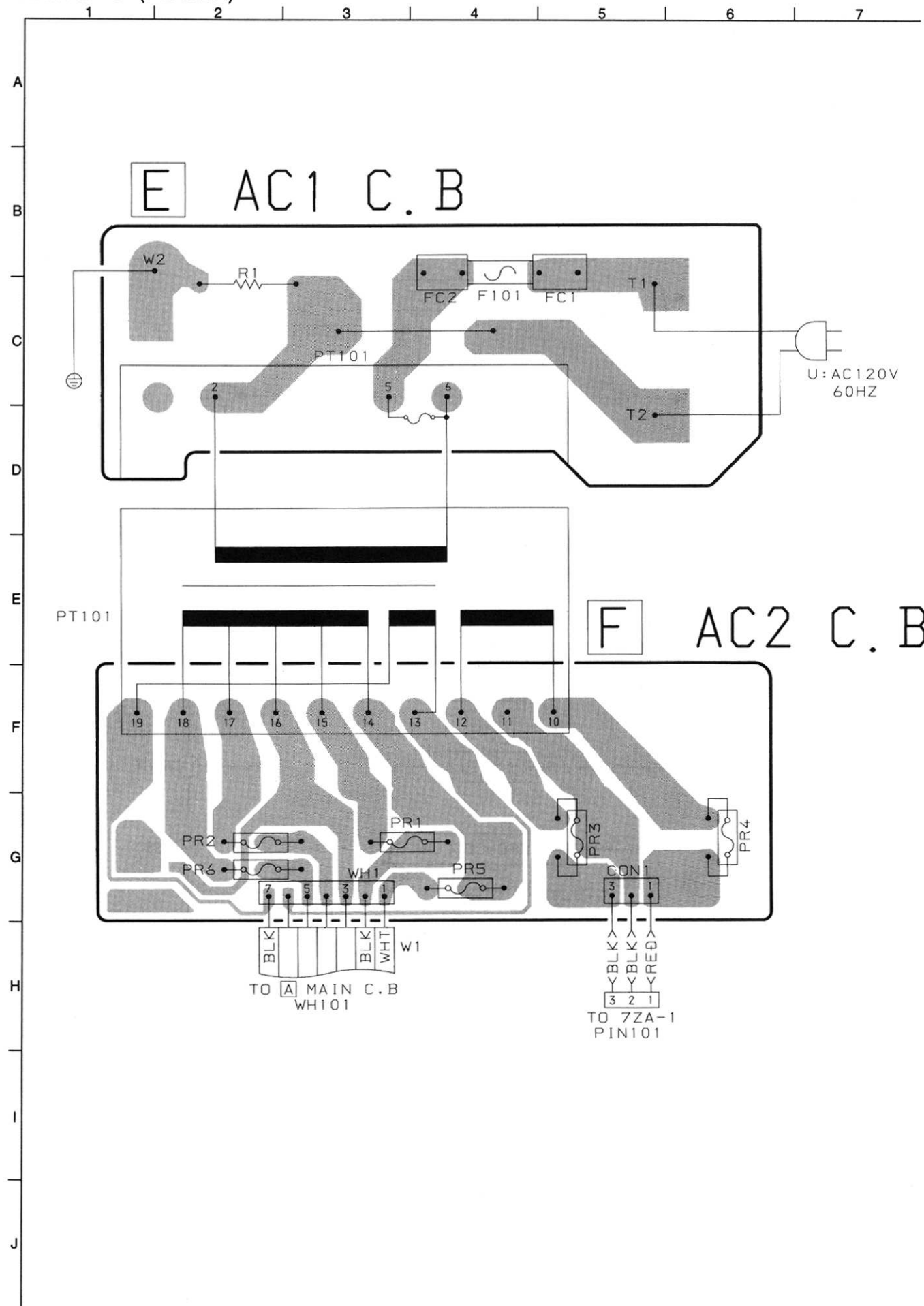




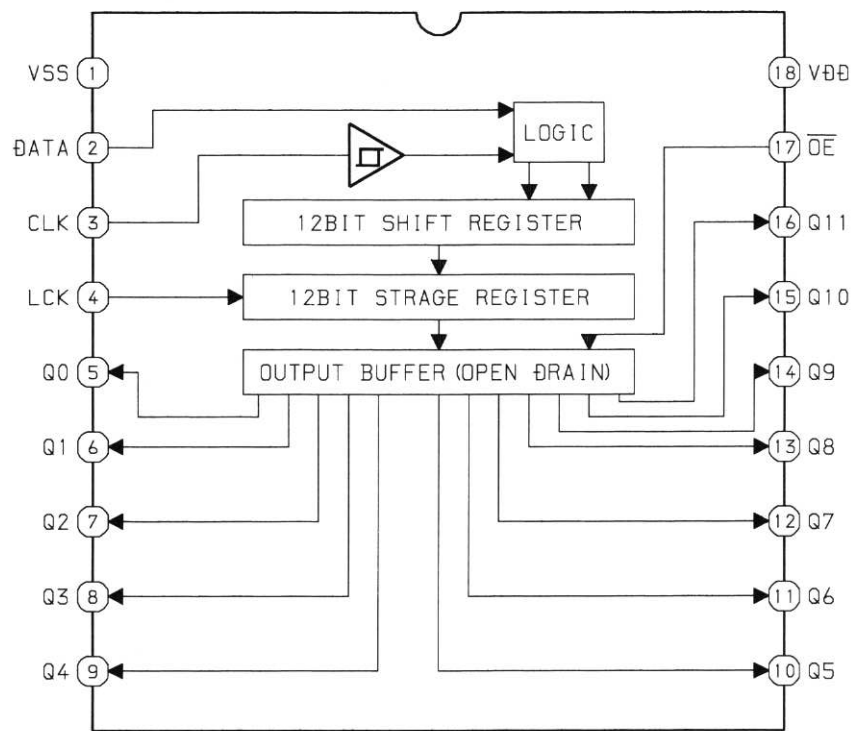
WIRING - 4 (DECK)



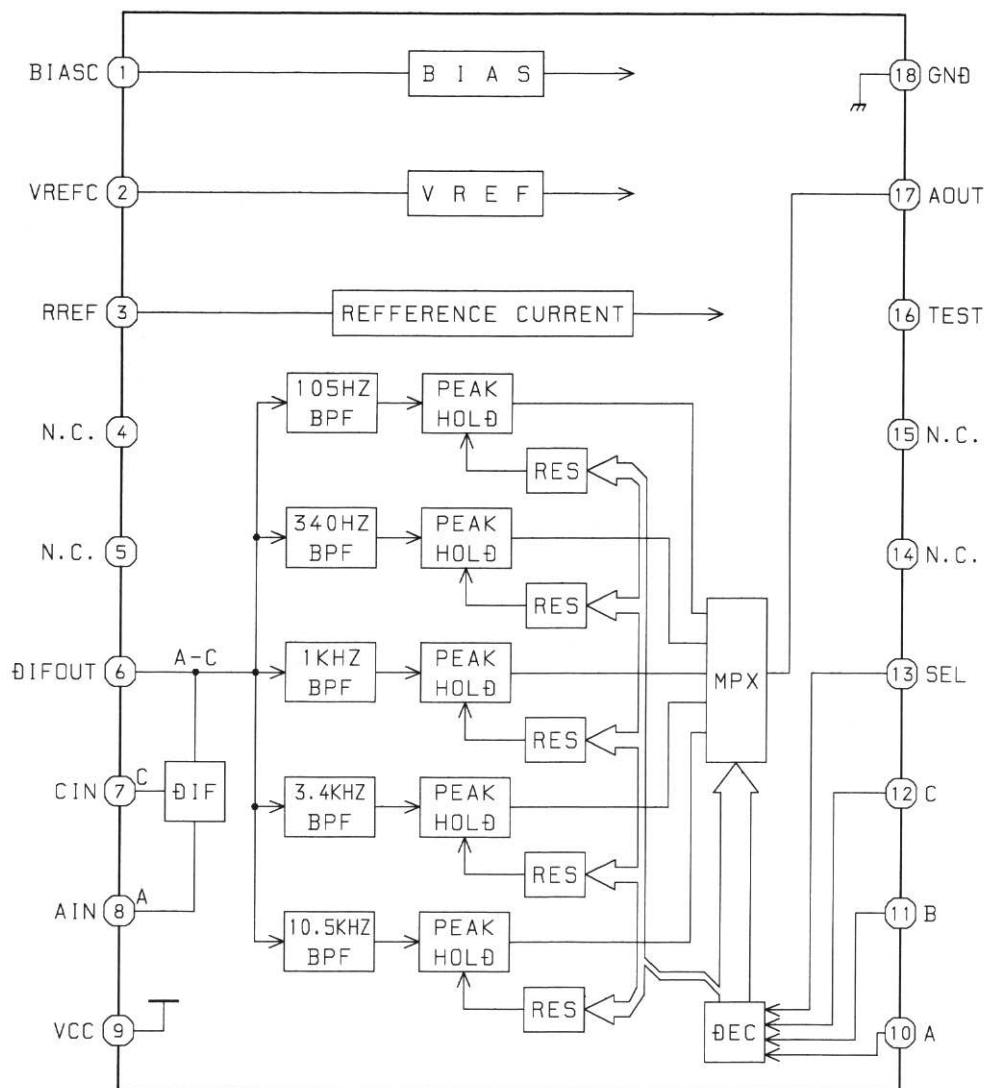
WIRING - 5 (POWER)

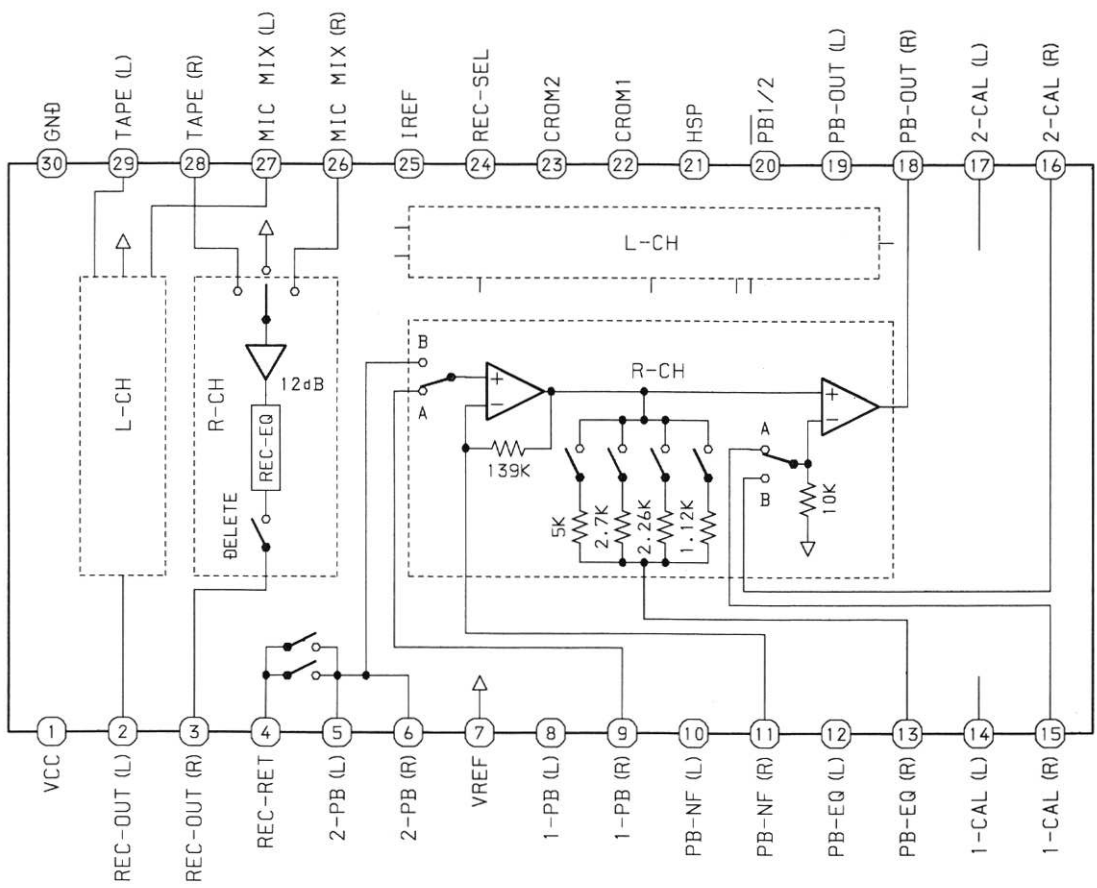
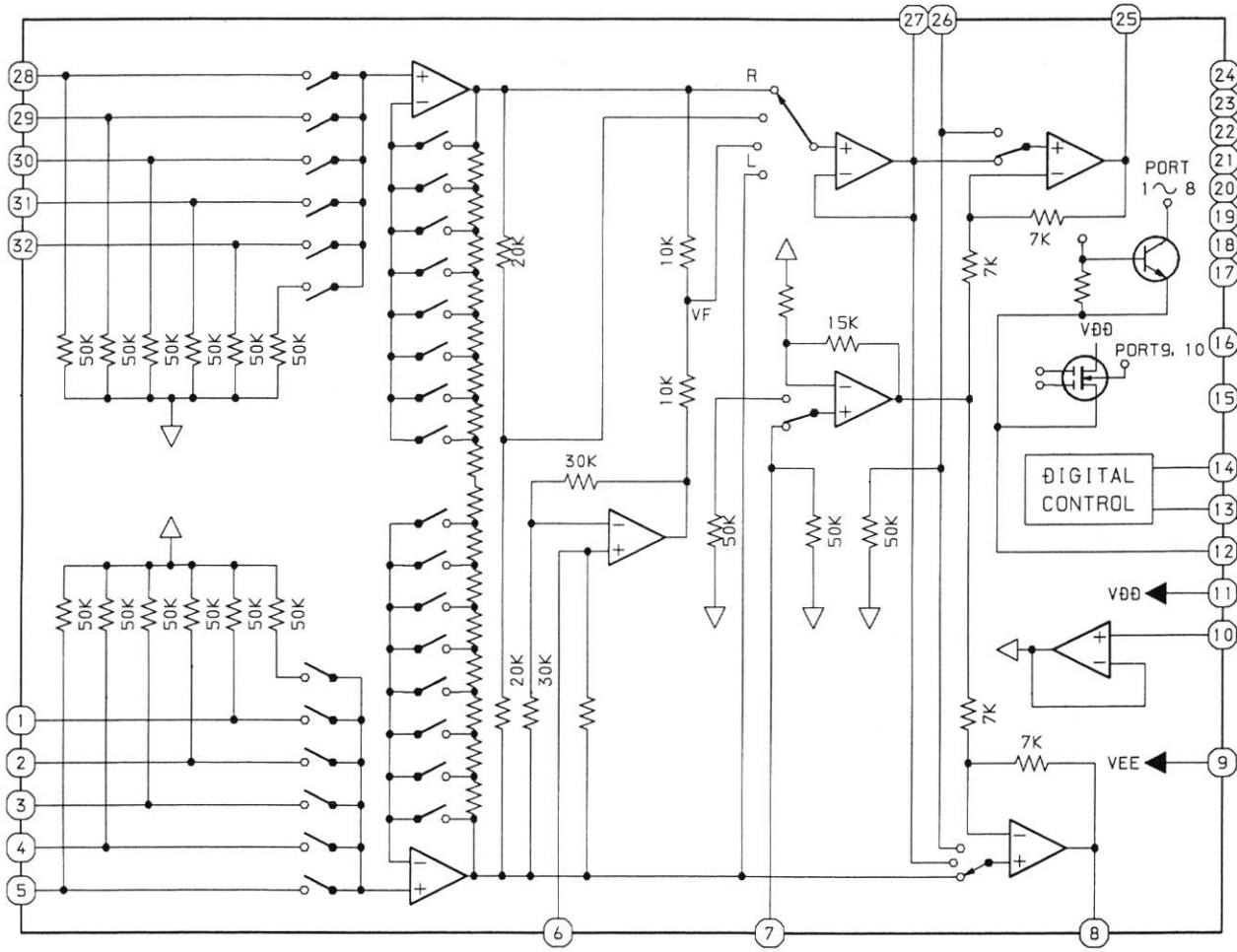


IC BLOCK DIAGRAM
IC, BU2092F

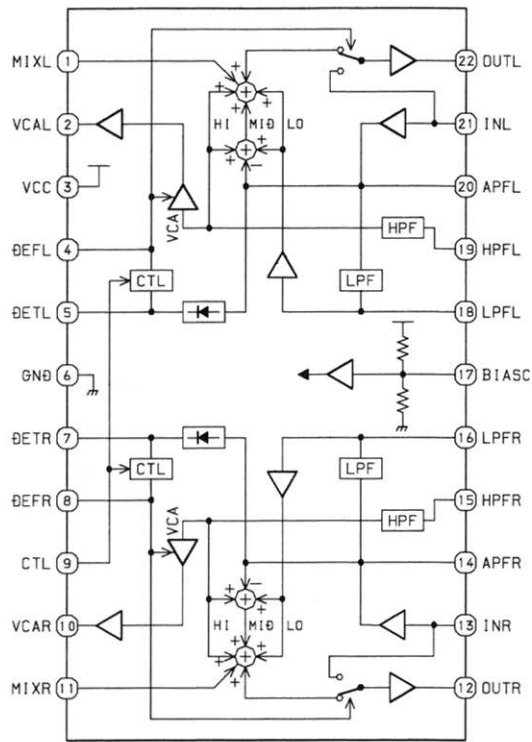


IC, BA3835S

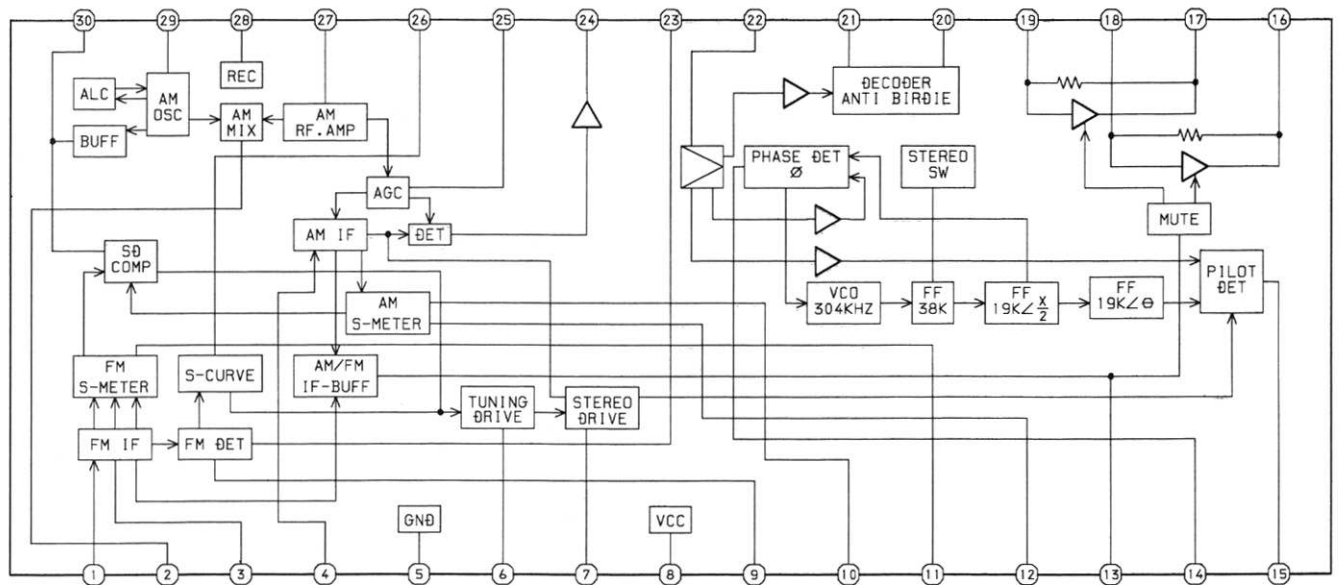




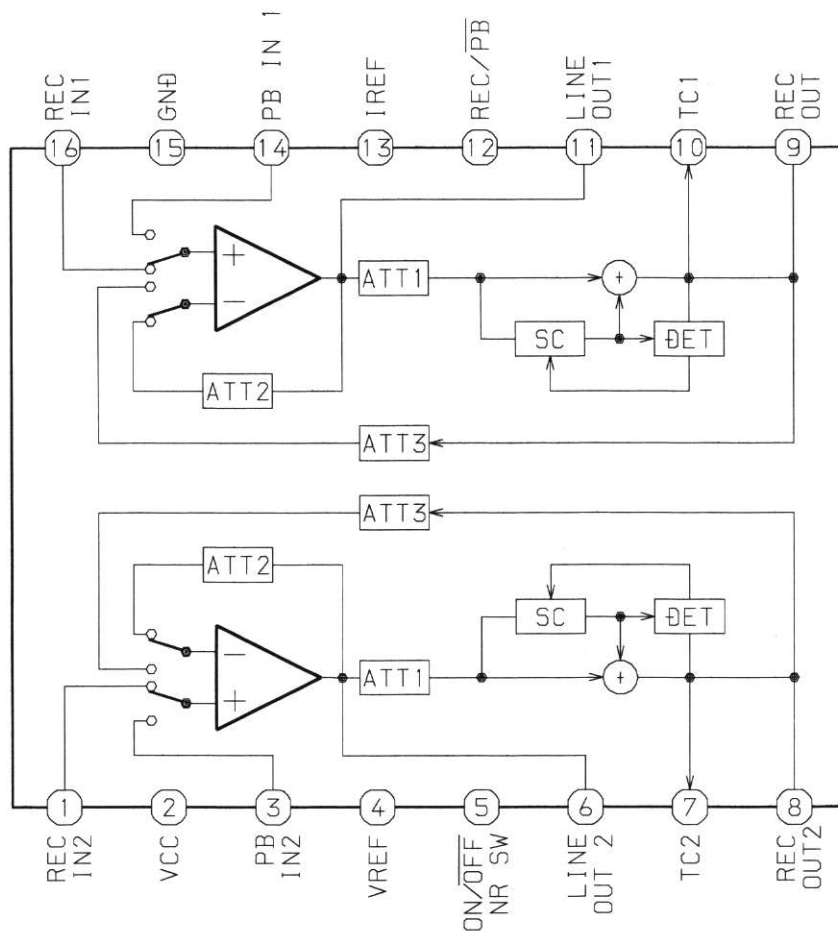
IC, BA3880S



IC, LA1837

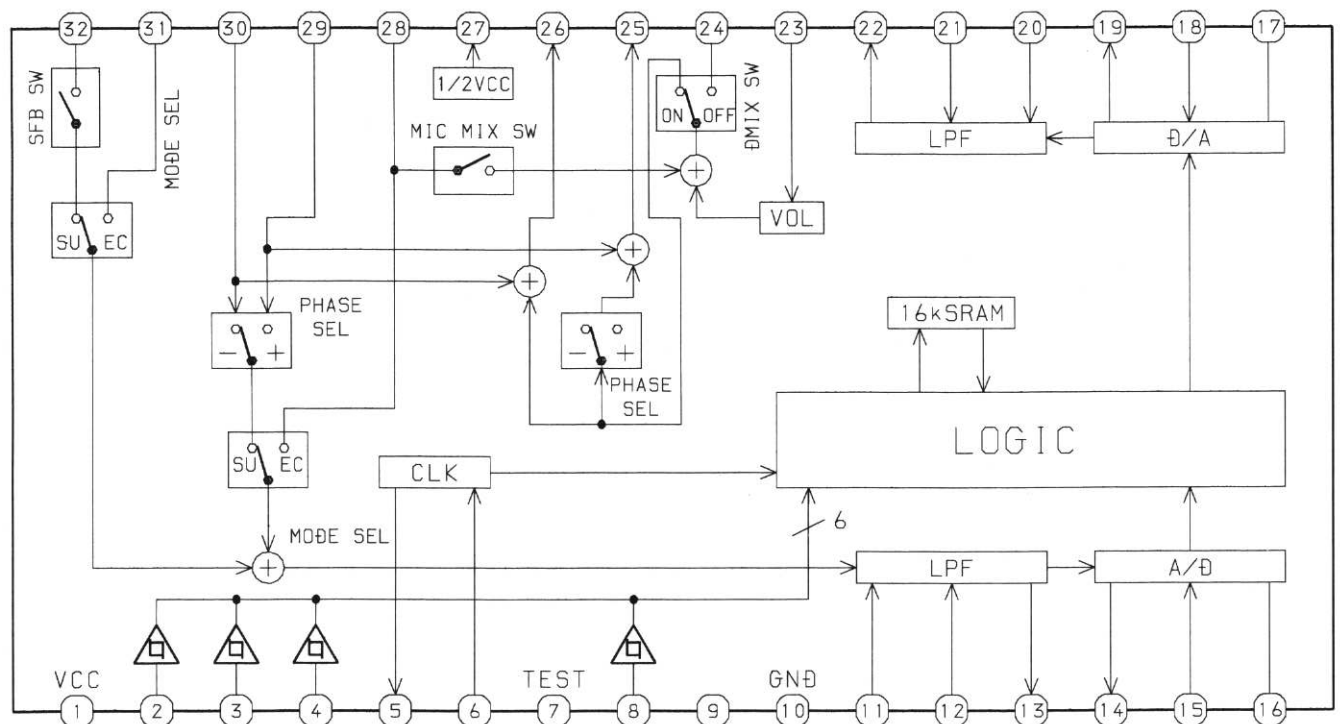


IC, CXA1553P



ATT:Attenuator
SC:Side Chain
DET:Detector

IC, M65849BFP



IC DESCRIPTION
IC, LC866548V

Pin No.	Pin Name	I/O	Description
1	RT-A	I	Rotary encoder A input.
2	RT-B	I	Rotary encoder B input.
3	$\overline{\text{LED-MD}}$	O	"MD" LED $\overline{\text{ON}}$ /OFF output.
4	$\overline{\text{LED-CD}}$	O	"CD " LED $\overline{\text{ON}}$ /OFF output.
5	$\overline{\text{LED-AUX}}$	O	"AUX" LED $\overline{\text{ON}}$ /OFF output.
6	$\overline{\text{LED-TUNER}}$	O	"TUNER" LED $\overline{\text{ON}}$ /OFF output.
7	$\overline{\text{LED-TAPE}}$	O	"TAPE" LED $\overline{\text{ON}}$ /OFF output.
8	HSP	O	Tape deck motor high speed ON/ $\overline{\text{OFF}}$ output.
9	O-POWER	O	System power supply $\overline{\text{ON}}$ /OFF output.
10	O-MUTE	O	System mute ON/ $\overline{\text{OFF}}$ output.
11	O-CLK-SHIFT	O	U-COM clock shift output.
12	$\overline{\text{RESET}}$	I	Reset input.
13	I-HP-MUTE	–	Not connected.
14	I-DISH	I	CD turntable photo sensor A/D converter input.
15	VSS 1	–	GND.
16	CF 1	–	5.76MHz oscillator circuit.
17	CF 2		
18	VDD 1	–	Power supply input.
19	$\overline{\text{HOLD}}$	I	Power failure detected input "1" to stop clock and main memory.
20	KEY-1	I	KEY input. (A/D)
21	KEY-2		
22	KEY-3		
23	I-CD SW	I	CD mechanical switch A/D converter input.
24	I-MIC	I	Microphone input for AUTO VF display.
25	I-TU-SIG/MS	I	Tuner signal and deck music sensor signal input.
26	I-SPEANA	I	A/D input for spectrum analyzer display.
27	I-WRQ/RDS-CLK	I	CD WRQ input . TUNER RDS CLOCK input.
28	I-TM-BASE	I	REFERENCE CLOCK input for timer watch.
29	$\overline{\text{I-RMC}}$	I	System remote control signal input.
30 ~ 37	G9 ~ G2	O	FL GRID output G2~G9.
38 ~ 43	P32 ~ P27	O	FL SEGMENT output P27~P32.
44	G1	O	FL grid output G1.
45	P26	–	FL SEGMENT output P26.
46	VDD3	–	Power supply input.
47	SPEANA-A/P25	O	Spectrum analyzer band switching output /FL segment P25 output.
48	SPEANA-B/P24	O	Spectrum analyzer band switching output /FL segment P24 output.
49	SPEANA-C/P23	O	Spectrum analyzer band switching output /FL segment P23 output.
50	P22/H-DUBB INH	I/O	FL segment P22 output / high dubbing inhibit input to diode.
51	VP	–	Power supply input for FL display.
52	P21/AM-ST	I/O	FL segment P21 output / AM stereo input to diode.
53	P20/LW	I/O	FL segment P20 output / LW mode data input to diode.

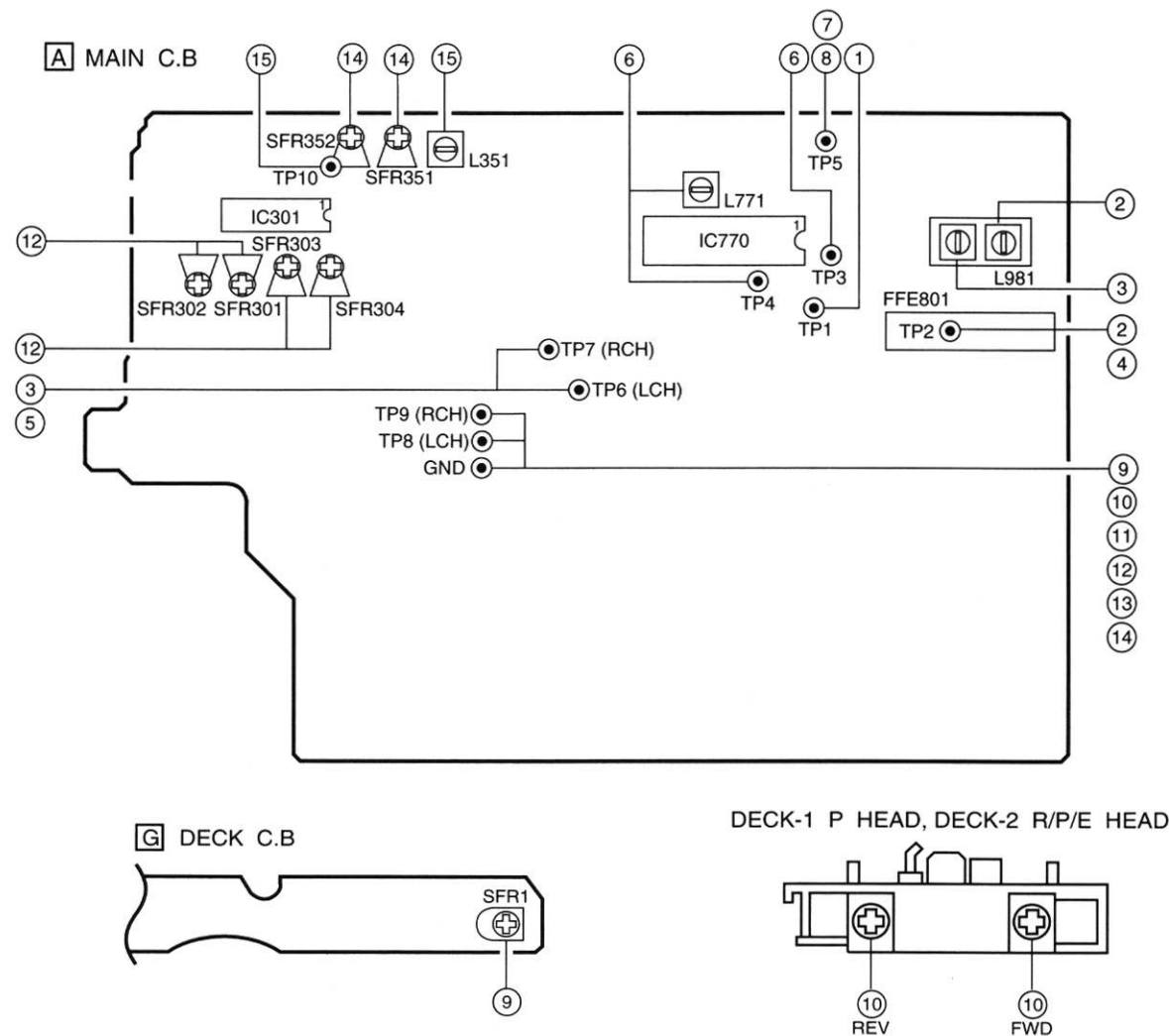
Pin No.	Pin Name	I/O	Description
54	P19/SW	I/O	FL segment P19 output / SW mode data input to diode.
55	P18/FM 1	I/O	FL segment P18 output / FM1 (OIRT) data input to diode.
56	P17/RDS	I/O	FL segment P17 output / RDS data input to diode.
57	P16/BBE	I/O	FL segment P16 output / BBE data input to diode.
58	P15/DSP	I/O	FL segment P15 output / DSP data input to diode.
59	P14/DOLBY-SURR	I/O	FL segment P14 output / DOLBY-SURR data input to diode.
60	P13/K-CON	I/O	FL segment P13 output / K-CON data input to diode.
61	P12/DOLBY	I/O	FL segment P12 output / DOLBY data input to diode.
62	P11/WAY	I/O	FL segment P11 output / DECK/WAY MECHA data input to diode.
63	P10/AM-9K/10K	I/O	FL segment P10 output / INITIAL AM 10 kHz step data input to diode.
64	P9/CST 2	I/O	FL segment P9 output / DECK2 cassette detect switch data input.
65	P8/REB	I/O	FL segment P8 output / DECK2 side-B record OK switch data input.
66	P7/CAM 2	I/O	FL segment P7 output / DECK2 CAM switch data input.
67	P6/AUTO 1	I/O	FL segment P6 output / DECK1 AUTO stop signal input.
68	P5/AUTO 2	I/O	FL segment P5 output / DECK2 AUTO stop signal input.
69	P4/CAM 1	I/O	FL segment P4 output / DECK1 CAM switch data input.
70	P3/CST 1	I/O	FL segment P3 output / DECK1 cassette detect switch data input.
71	P2/REA	I/O	FL segment P2 output / DECK2 side A record OK switch data input.
72	VDD 4	–	Power supply input.
73	P1/2092	I/O	FL segment P1 output / SHIFT resistor IC 2092 data input to diode.
74	K-SCAN	O	Switch SCAN timing output.
75	L CK	O	Latch clock output for front shift resistor.
76	PRO-CE	O	PRO LOGIC IC chip enable output.
77	PLL-CE	O	PLL IC chip enable output.
78	MA-STB	O	Latch strobe output for MAIN PWB.
79	DATA	O	DATA output for MAIN, FORNT, PROLOGIC PWB.
80	CLK	O	CLOCK output for MAIN, FORNT, PROLOGIC PWB.
81	DISH-RVS	O	CD turntable reverse rotation output.
82	DISH-FWD	O	CD turntable forward rotation output.
83	TRAY-OPEN	O	CD TRAY OPEN data output.
84	TRAY-CLOSE	O	CD TRAY CLOSE data output.
85	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
86	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
87	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
88	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
89	VSS 2	–	GND.
90	VDD 2	–	Power supply input.
91	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
92	LED 	O	 LED $\overline{\text{ON}}$ /OFF output.
93	SOL 1	O	DECK 1 Solenoid output.
94	SOL 2	O	DECK 2 Solenoid output.

Pin No.	Pin Name	I/O	Description
95	O-MOTOR	O	DECK MOTOR ON/ $\overline{\text{OFF}}$ output.
96	$\overline{\text{I-TUNE}}$ /IFC/SUBQ	I	Tune IF count serial data input /CD SUB Q data input.
97	I-STEREO/O-SQCLK	I/O	Tuner stereo detected input/CD SQ CLOCK output.
98	I-RDS-DATA/O-DATA	I/O	RDS data input/CD data output.
99	O-CD CE	O	CD CE output.
100	O-CD CLK	O	CD CLOCK output.

IC, LC72131D

Pin No.	Pin Name	I/O	Description																								
1	X IN	I/O	A crystal oscillator (7.2MHz) is connected between these pins.																								
22	X OUT																										
2	NC	–	Not used.																								
3	CE	I	To enable the IC. Active "H".																								
4	DI	I	Digital data input from CPU(LC866548V) when relevant key is operated. Active "H".																								
5	CL	I	To clock in the data DI.																								
6	DO	O	Digital data output to CPU (LC866548V).																								
7	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.																								
8	MONO / BEAT	O	Outputs "H" when MONO / BEAT is switched.																								
9	$\overline{\text{FM}} / \overline{\text{SW}}$	O	Output "L" or "H" as follows: <table><tr><td colspan="2">2 BAND</td><td colspan="3">3 BAND</td><td colspan="3">3 BAND</td></tr><tr><td>AM</td><td>FM</td><td>LW</td><td>MW</td><td>FM</td><td>MW</td><td>SW</td><td>FM</td></tr><tr><td>H</td><td>L</td><td>H</td><td>H</td><td>L</td><td>H</td><td>L</td><td>L</td></tr></table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	H	L	H	H	L	H	L	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
H	L	H	H	L	H	L	L																				
10	$\overline{\text{MW}} / \text{SW}$	O	Outputs "L" or "H" as follows: <table><tr><td colspan="2">2 BAND</td><td colspan="3">3 BAND</td><td colspan="3">3 BAND</td></tr><tr><td>AM</td><td>FM</td><td>LW</td><td>MW</td><td>FM</td><td>MW</td><td>SW</td><td>FM</td></tr><tr><td>L</td><td>L</td><td>H</td><td>L</td><td>L</td><td>L</td><td>H</td><td>L</td></tr></table>	2 BAND		3 BAND			3 BAND			AM	FM	LW	MW	FM	MW	SW	FM	L	L	H	L	L	L	H	L
2 BAND		3 BAND			3 BAND																						
AM	FM	LW	MW	FM	MW	SW	FM																				
L	L	H	L	L	L	H	L																				
11	IF-MUTE	O	To control internal counter.																								
12	IF-IN	I	General purpose counter input.																								
13	$\overline{\text{TUNE}}$	I	Receives "L" when station is tuned.																								
14	NC	–	Not used.																								
15	AM-IN	I	Receives the AM local oscillator frequency signal.																								
16	FM-IN	I	Receives the FM local oscillator frequency signal.																								
17	VDD	–	Supply power to IC (+5V).																								
18	PD	O	PLL charge pump output.																								
19	A-IN	I	The MOS transistor for PLL active low pass filter.																								
20	A-OUT	O																									
21	VSS	–	Ground.																								

ADJUSTMENT <TUNER / DECK>



<- TUNER SECTION >

1. Clock Frequency Check
Settings : • Test point : TP1
Method : Set to MW 1710kHz and check that the test point is 2160kHz $\pm$ 45Hz.
2. MW VT Check
Settings : • Test point : TP2 (VT)
Method : Set to MW 1710kHz and check that the test point is 6.0 $\pm$ 1.0V.
3. MW Tracking Adjustment
Settings : • Test point : TP6, TP7
• Adjustment location : L981 1000kHz
4. FM VT Check
Settings : • Test point : TP2 (VT)
Method : Set to FM 108.0MHz and check that the test point is less than 8.5V. Set to FM 87.5MHz and check that the test point is more than 1.5V.
5. FM Tracking Check
Settings : • Test point : TP6, TP7
Method : • Set to FM 98.0MHz and check that the test point is 2 $\pm$ 6dB.
6. DC Balance / Mono Distortion Adjustment
Settings : • Test point : TP3, TP4
• Adjustment location : L771
• Input level : 54dB
Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.04V. Next, check that the distortion is less than 1.3%
7. Auto Stop Level Check
Settings : • Test point : TP5
• Input level : adjustable
Method : Set to FM 98.0 MHz and check that the voltage low about 0.1V. After that voltage high about 7.0V out by 2dB down.
8. Auto Stop Level Check
FM
Settings : • Test point : TP5
• Input level : adjustable
Method : Set to FM 98.0MHz and check that the test point is 25dB $\pm$ 10dB.
MW
Settings : • Test point : TP5
• Input level : adjustable
Method : Set to MW 1000kHz and check that the test point is 35 ~ 60dB.

< DECK SECTION >

9. Tape Speed Adjustment
Settings : • Test tape : TTA-100
• Test point : TP8, TP9
• Adjustment location : SFR1
Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz $\pm$ 5Hz.
10. Head Azimuth Adjustment
Settings : • Test tape : TTA-300
• Test point : TP8, TP9
• Adjustment location : Head azimuth adjustment screw
Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.
11. PB Frequency Response Check (DECK 1, DECK 2)
Settings : • Test tape : TTA-300
• Test point : TP8, TP9
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 within 2dB.
12. PB Sensitivity Adjustment (DECK 1, DECK 2)
Settings : • Test tape : TTA-200
• Test point : TP8, TP9
• 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 point becomes 245mV.
13. REC/PB Frequency Response Adjustment
Settings : • Test tape : TTA-602
• Test point : TP8, TP9
• 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 TP8, TP9 becomes 170mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.
14. REC/PB Sensitivity Adjustment
Settings : • Test tape : TTA-602
• Test point : TP8, TP9
• 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 TP8, TP9 becomes 17mV. Record and play back the 1kHz signals and adjust SFRs so that the output is 17mV $\pm$ 0.5dB.
15. Bias OSC Frequency Adjustment
Settings : • Test tape : TTA-601
• Test point : TP10
• Adjustment location : L351
Method : Set to the REC mode. Adjust L351 so that the frequency counter of the test point is 85kHz $\pm$ 1kHz.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity :	6dB $\pm$ 4dB [at 87.5MHz]
(THD 3%)	5dB $\pm$ 4dB [at 98.0 / 108.0MHz]
S/N 50dB Quieting sensitivity :	30dB $\pm$ 6dB
	[at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio :	More than 65dB
	[at 98.0MHz]<MONO>
	More than 64dB
	[at 98.0MHz]<STEREO>
Distortion :	1.3% [at 98.0MHz]<MONO>
	Less than 2.0%
	[at 98.0MHz]<STEREO>
Stereo separation :	More than 25dB [at 98.0MHz]
Intermediate frequency :	10.7MHz

<MW SECTION>

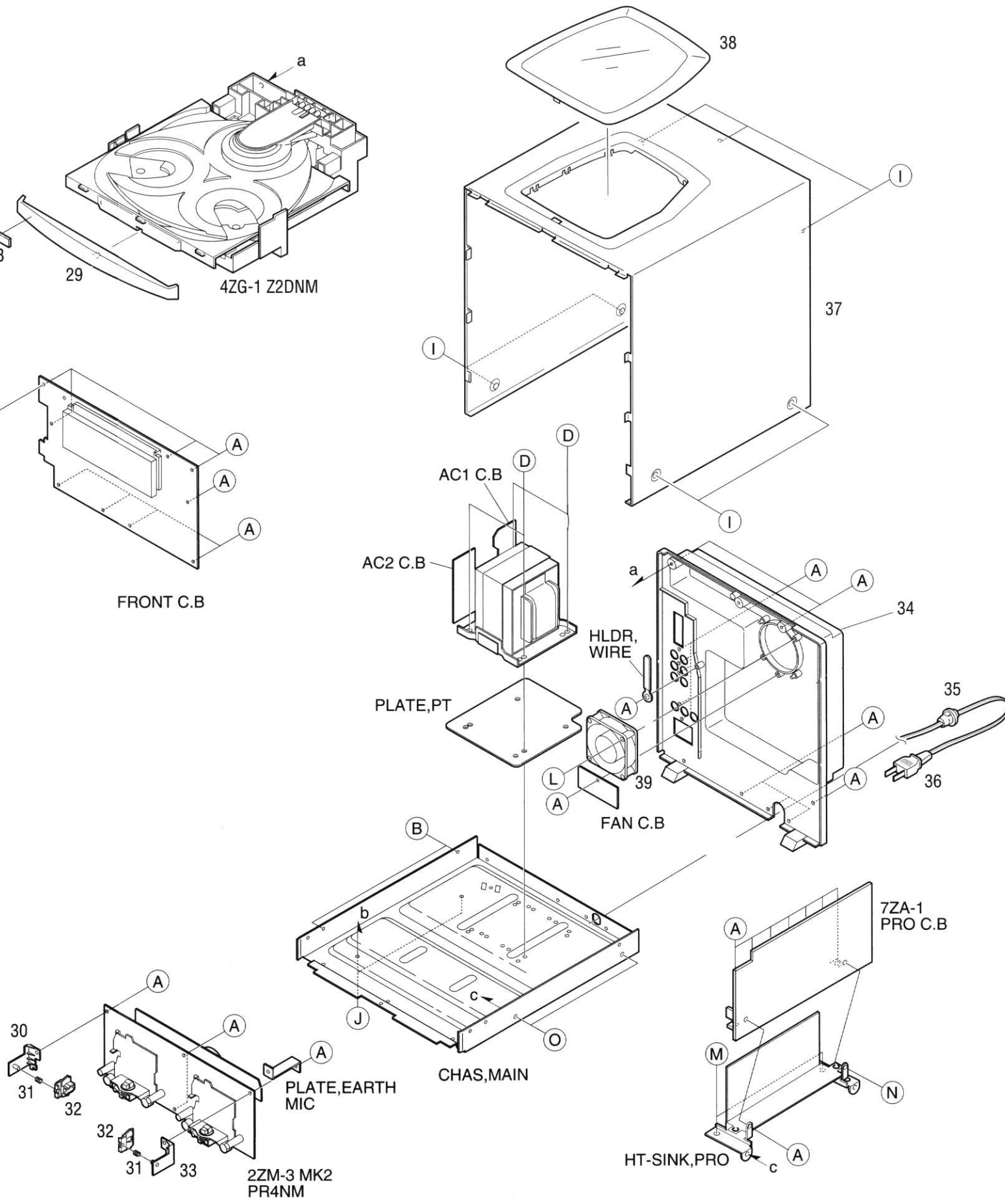
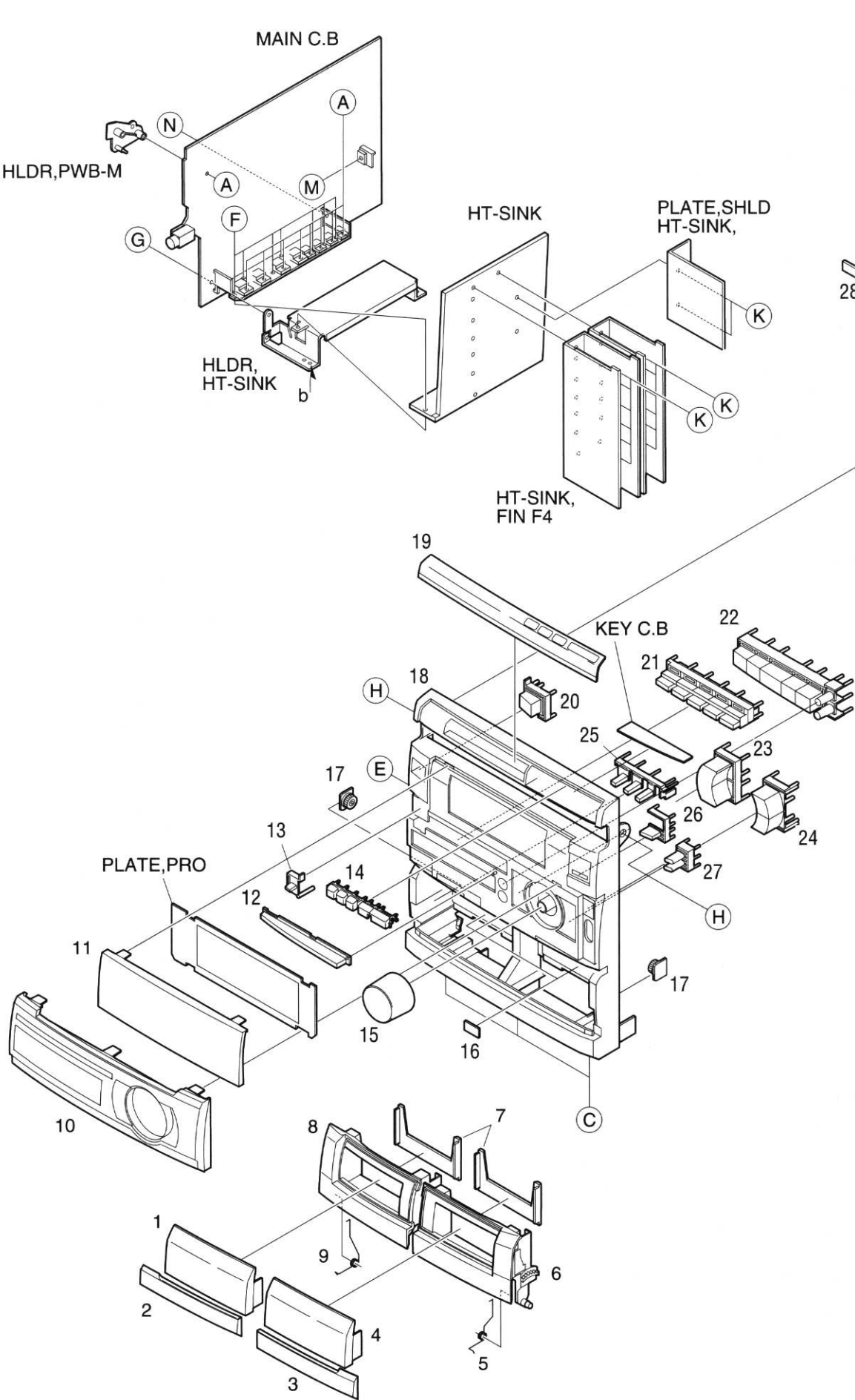
Sensitivity :	55dB $\pm$ 5dB [at 600kHz]
(S/N 20 dB)	53dB $\pm$ 5dB [at 1000 / 1400kHz]
Distortion :	Less than 1.5% [at 1000kHz]
Intermediate frequency :	450kHz

<DECK SECTION>

<ZM-3MK2>

Tape speed :	3000Hz $\pm$ 45Hz
Wow & flutter :	Less than 0.15% (R.M.S)
Take-up torque :	30 ~ 55g-cm (FWD, REV)
F.F & REW torque :	75 ~ 180g-cm
Back tension :	2 ~ 7g-cm (FWD, REV)

PB Output level :	300mV $\pm$ 1dB (SP OUT 2V)
REC/PB Output level :	180mV $\pm$ 2dB (SP OUT 2V)
Distortion (REC/PB) :	Less than 2.0% (NORM, CrO2)
Noise level (PB) :	Less than 1.8mV
	(DOLBY NR ON / OFF
	NORM. Vol MAX.)
Noise level (REC/PB) :	Less than 2.2mV
	(DOLBY NR ON / OFF NORM.)
Crosstalk :	More than 60dB (1kHz, 0VU)
Channel separation :	More than 30dB (1kHz, 0VU)
Erasing ratio :	More than 60dB (at 125Hz)
Test tape :	NORMAL : TTA-602
	CrO2 : TTA-615

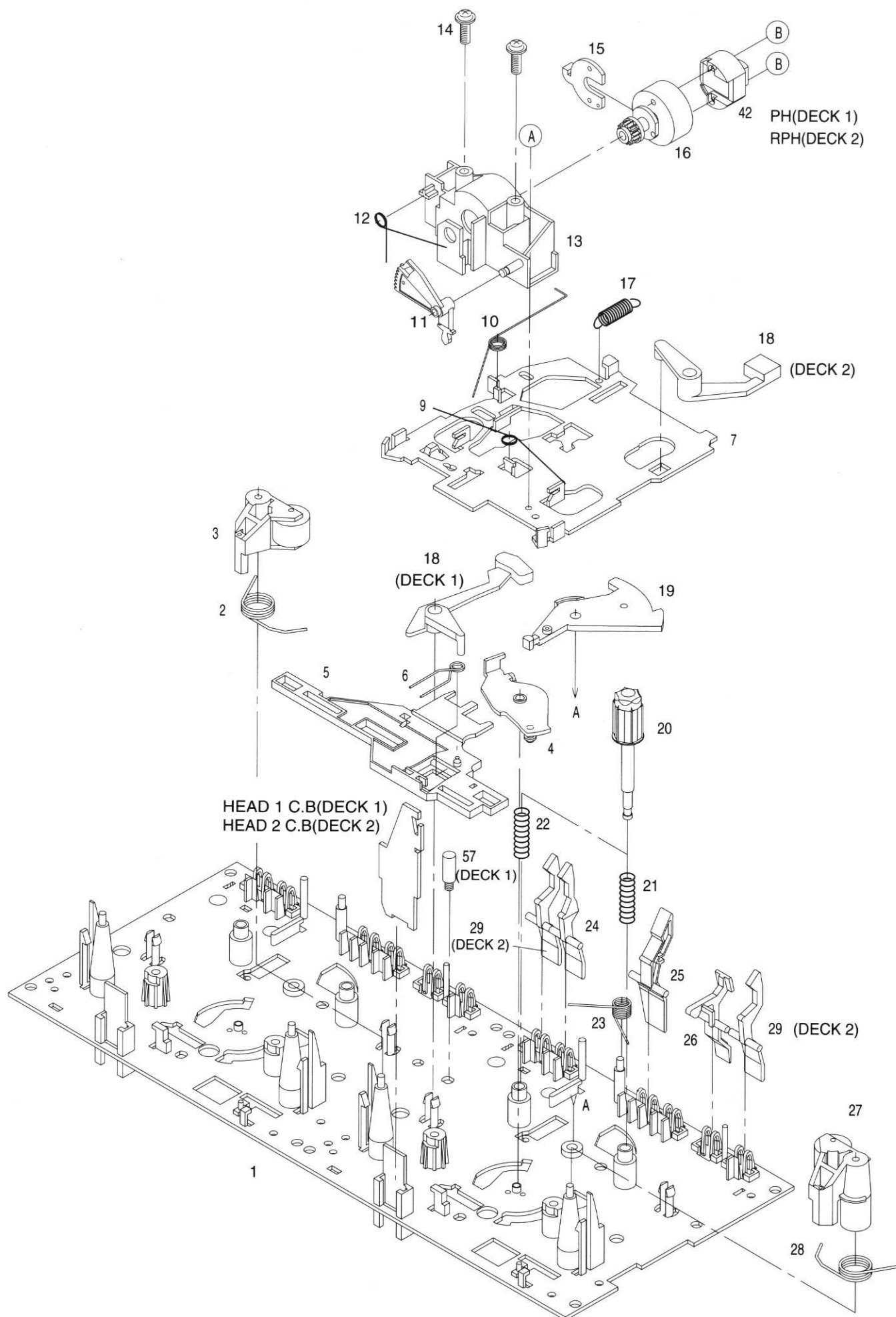


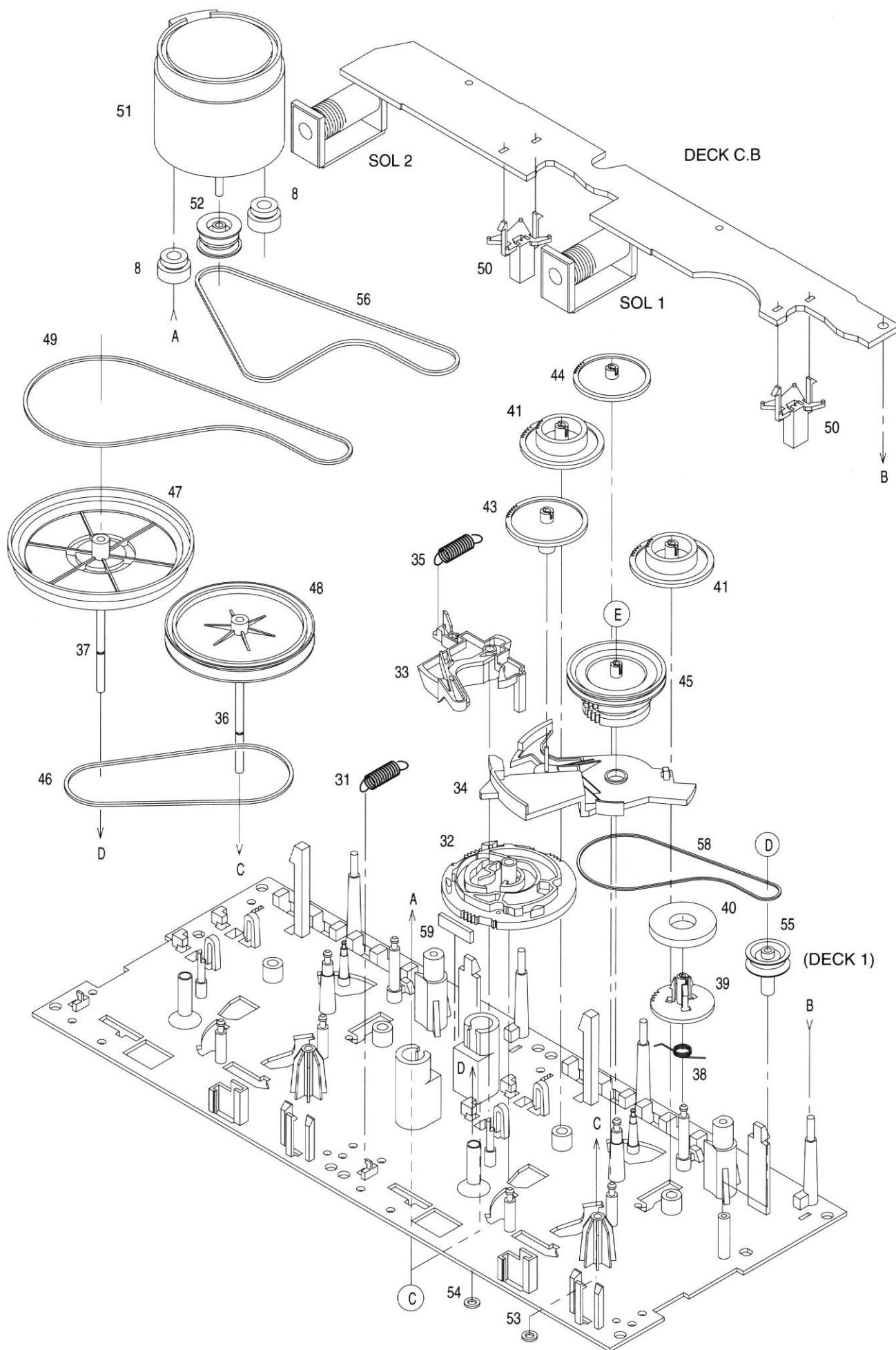
MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NF4-034-010		WINDOW, CASS 1	31	82-NF5-228-010		SPR-C, LOCK
2	87-NF4-032-010		PANEL, CASS 1H	32	82-NF5-229-010		PLATE, LOCK
3	87-NF4-033-010		PANEL, CASS 2H	33	87-NF4-217-010		HLDR, LOCK 2
4	87-NF4-035-010		WINDOW, CASS 2	34	87-NFR-017-210		CABI, REAR UST
5	82-NF5-219-010		SPR-T, EJECT 2 (SIN)	35	87-085-189-010		BUSHING, CORD (U)
6	87-NF4-005-110		BOX, CASS 2	36	87-050-053-010		AC CORD ASSY, U-2
7	86-NF6-061-010		REFLECTOR, CASS	37	86-NFT-005-110		CABI, STEEL TS
8	87-NF4-004-110		BOX, CASS 1	38	86-NF6-101-010		WINDOW, TOP UL
9	82-NF5-218-010		SPR-T, EJECT 1 (SIN)	39	87-A90-463-010		FAN, 2408NL
10	87-NF4-031-110		PANEL, FR H	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
11	87-NFR-004-010		WINDOW, DISPLAY U	B	87-591-094-410		TAPPING SCREW, QIT+3-6
12	87-NF4-042-010		PANEL, OPE	C	87-067-688-010		BVTT+3-6
13	87-NF4-036-010		KEY, DEMO	D	87-078-191-010		S-SCREW, IT+4-10
14	87-NF4-007-110		KEY, CD	E	87-723-096-410		QT2+3-10W/O SLOT BL
15	87-NF4-028-010		KNOB, RTRY VOL	F	87-067-758-010		BVT2+3-12 W/O SLOT
16	81-532-080-010		LABEL, CASS. COMPT	G	87-067-633-010		TAPPING SCREW, BVT2+3-8
17	87-063-165-010		OIL-DMPR 150	H	87-721-097-410		QT2+3-12 GLD
18	87-NFR-006-110		CABI, FR U	I	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
19	87-NF4-037-110		WINDOW, CD	J	87-067-584-010		TAPPING SCREW, BVT2+3-6
20	87-NF4-008-010		KEY, POWER	K	87-B10-090-010		BVIT3B+3-12 GOLD
21	87-NF4-020-010		KEY, ASSY FUN	L	87-751-104-410		VT2+3-30
22	87-NF4-027-010		KEY, ASSY OPE	M	87-067-579-010		TAPPING SCREW, BVT2+3-8
23	87-NFR-001-210		KEY, PRO	N	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
24	87-NF4-010-010		KEY, BBE	O	87-721-096-410		QT2+3-10 GLD
25	87-NF4-012-010		KEY, DOLBY				
26	87-NF4-046-010		KEY, VF U				
27	87-NF4-011-010		KEY, VOL				
28	82-NE6-067-010		BADGE, AIWA 30N				
29	87-NF4-029-010		PANEL, TRAY H				
30	87-NF4-216-010		HLDR, LOCK 1				

TAPE MECHANISM EXPLODED VIEW 1 / 1



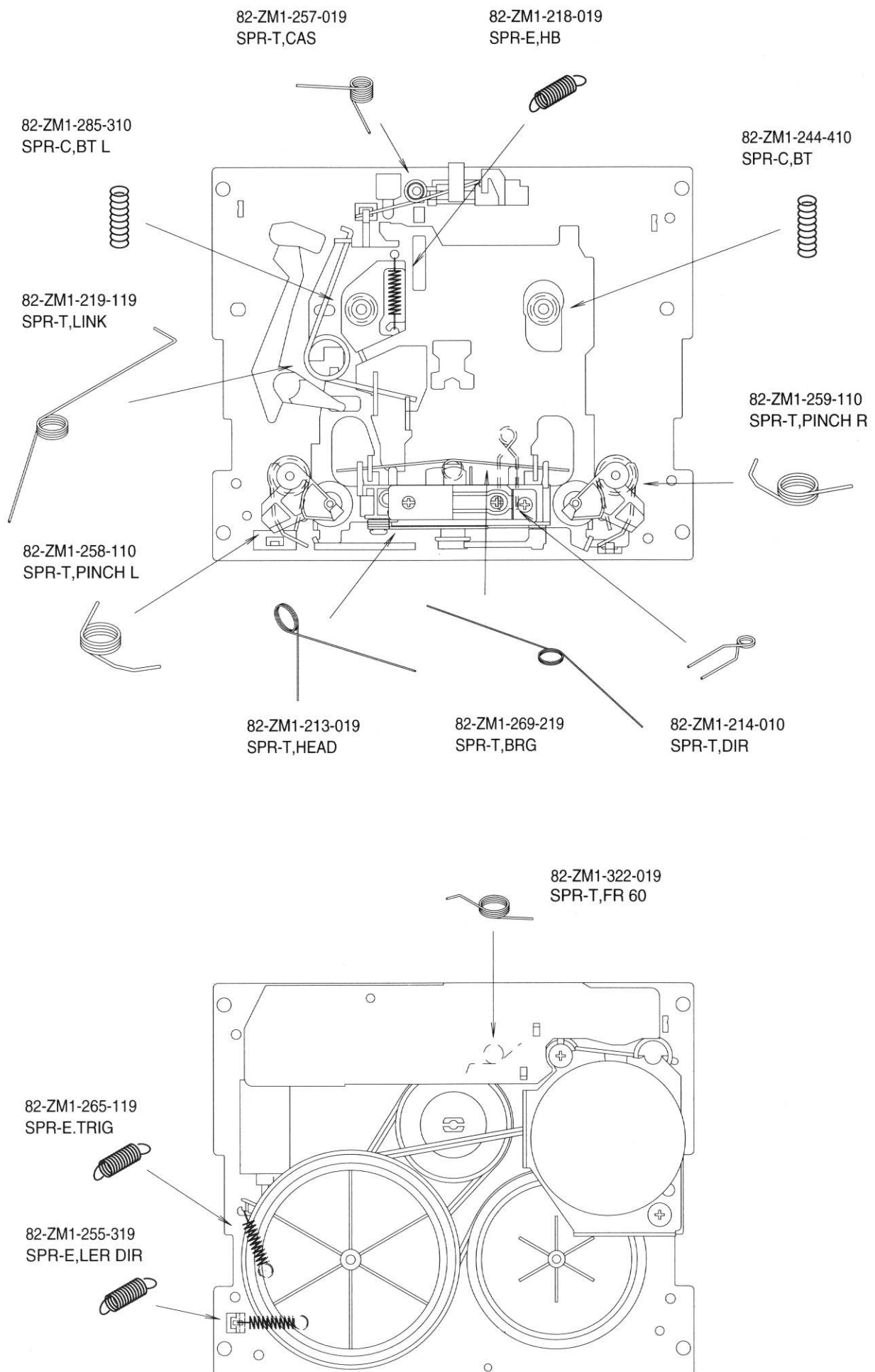


TAPE MECHANISM PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY,M2	36	82-ZM1-236-019		CAPSTAN N 2-41.5
2	82-ZM1-258-110		SPR-T,PINCH L	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
3	82-ZM1-341-110		LVR ASSY,PINCH L2	38	82-ZM1-322-019		SPR-T,FR60
4	82-ZM1-333-010		PLATE, LINK 2	39	82-ZM1-220-219		GEAR, IDLER
5	82-ZM1-266-11K		LVR, DIR	40	82-ZM3-616-019		RING MAGNET 4
6	82-ZM1-214-010		SPR-T, DIR	41	82-ZM1-216-31K		GEAR, REEL
7	82-ZM1-206-81K		CHAS, HEAD	42	87-A90-319-010		HEAD, PH HADKH2 FPC
8	82-ZM3-307-019		CUSH-G, DIA3.7-8-3.2	42	87-A90-320-010		HEAD, RPH HADKH5 FPC
9	82-ZM1-269-219		SPR-T, BRG	43	82-ZM1-225-21K		GEAR, FR
10	82-ZM1-219-119		SPR-T, LINK	44	82-ZM1-226-019		GEAR, REW
11	82-ZM1-210-119		GEAR, H T	45	82-ZM3-333-310		SLIP DISK ASSY 2
12	82-ZM1-213-019		SPR-T, HEAD	46	82-ZM1-338-010		BELT FR4
13	82-ZM1-207-619		GUIDE, TAPE	47	82-ZM1-349-110		FLY-WHL, R W(DECK 2)
14	86-ZM4-206-010		S-SCREW, AZIMUTH	47	82-ZM3-338-110		FLY-WHL, R3 W(DECK 1)
15	82-ZM1-314-119		PLATE, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 2)
16	82-ZM1-208-119		HLDR, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 1)
17	82-ZM1-218-019		SPR-E, HB	49	82-ZM3-329-210		BELT, SBU R2
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	50	82-ZM1-245-210		HLDR, IC
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	51	87-045-347-019		MOT, SHU2L 70(M1)
19	82-ZM1-222-21K		LVR, PLAY	52	82-ZM3-221-010		PULLEY, MOT 2M
20	82-ZM1-217-319		REEL TABLE	53	82-ZM1-288-019		SH, 1.63-3.2-0.5 SLT
21	82-ZM1-244-510		SPR-C, BT	54	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
22	82-ZM1-285-310		SPR-C, BT L	55	82-ZM3-335-210		PULLEY, COUPLER M3 (DECK 1)
23	82-ZM1-257-019		SPR-T, CAS	56	82-ZM3-337-010		BELT, SBU MOT 2
24	82-ZM1-241-319		LVR, MC	57	82-ZM3-339-010		SHAFT, COUPLER N3 (DECK 1)
25	82-ZM1-242-019		LVR, CAS	58	86-ZM1-206-010		BELT, MAIN L
26	82-ZM1-243-019		LVR, STOP	59	82-ZM3-340-010		SH, BELT D2
27	82-ZM1-344-110		LVR ASSY, PINCH R2	A	85-ZM3-202-010		S-SCREW, TG
28	82-ZM1-259-110		SPR-T, PINCH R	B	80-ZM6-207-019		V+1.6-7
29	82-ZM1-240-11K		LVR, REC (DECK 2)	C	82-ZM3-318-019		S-SCRW MOTOR M2
31	82-ZM1-255-319		SPR-E, LVR DIR	D	87-B10-043-010		W-P, 0.99-4-0.25 SLT
32	82-ZM3-305-01K		GEAR, CAM M2	E	82-ZM3-334-010		PW, 2.16-6-0.4
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM3-306-11K		LVR, FR M2				
35	82-ZM1-265-119		SPR-E, TRIG				

SPRING APPLICATION POSITION

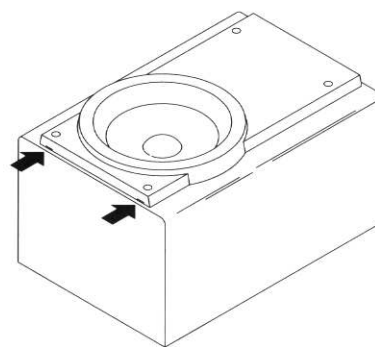


SPEAKER DISASSEMBLY INSTRUCTIONS

Type.1

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

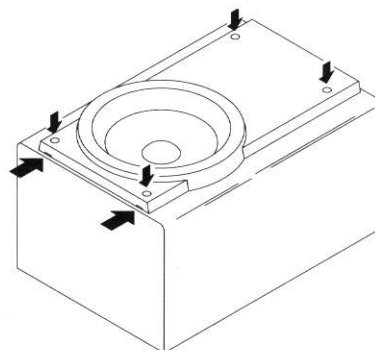
Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. remove the screws of each speaker unit and then remove the speaker units.



Type.2

グリルフレームを外し、4個のゴムキャップをマイナスドライバーで端の方から持ち上げて外すと中にビスがありますので、ビスを取り外します。矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットのビスを取り、スピーカーユニットを外してください。

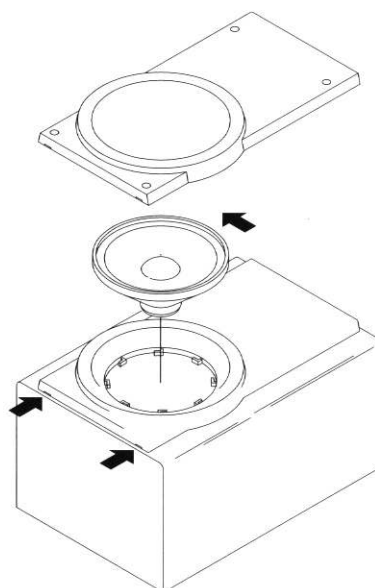
Remove the grill frame and four pieces fo rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then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



Type.3

矢印の位置にマイナスドライバーを差し込んで、パネルを外します。各々のスピーカーユニットの凹にマイナスドライバーを差し込んで、反時計方向に回転させスピーカーユニットを外してください。スピーカーユニット交換後は時計方向にクリック音がするまで、回転させて取り付けます。

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.



SPEAKER PARTS LIST (SX-NA94 -> YUSTNC)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NSE-001-019		PANEL,FR R
2	87-NSE-002-019		PANEL,FR L
3	87-NSE-003-019		PANEL,DUCT R
4	87-NSE-004-019		PANEL,DUCT L
5	87-NSE-610-019		SPKR, CORD
6	87-NSE-014-019		GRILLE, FRAME ASSY L
7	87-NSE-012-019		GRILLE, FRAME ASSY R
8	87-NSE-602-019		SPKR, W 160
9	87-NSE-604-019		SPKR, T 80

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	T-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

アイワ株式会社
AIWA CO.,LTD.

9301946, 750038

Tokyo Japan