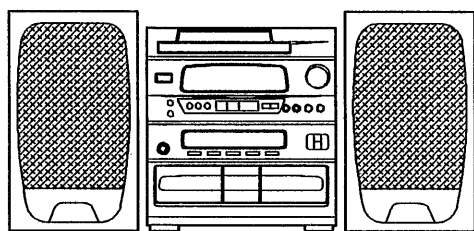


aiwa



XS-Z1100
CX-Z1100
CX-Z1200
CX-ZAP1



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 2ZM-5PR1N
- BASIC CD MECHANISM : KSM-2101ABM

- TYPE: HE, E, K, EZ (1100),
G, LH, EZ (1200), Z (ZAP1)

SYSTEM	CD-CASSEIVER	REMOTE CONTROLLER	SPEAKER	TURNTABLE (OPTIONAL)
XS-Z1100	CX-Z1100	RC-TZ1100	SX-Z1100	PX-E900 PX-E750
-	CX-Z1100		SX-Z1100 SX-Z1200	PX-E850
-	CX-Z1200		SX-FZ1200	
-	CX-ZAP1		SX-FZAP1	

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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 käyttäjän 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

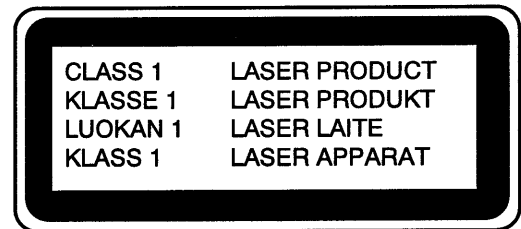
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

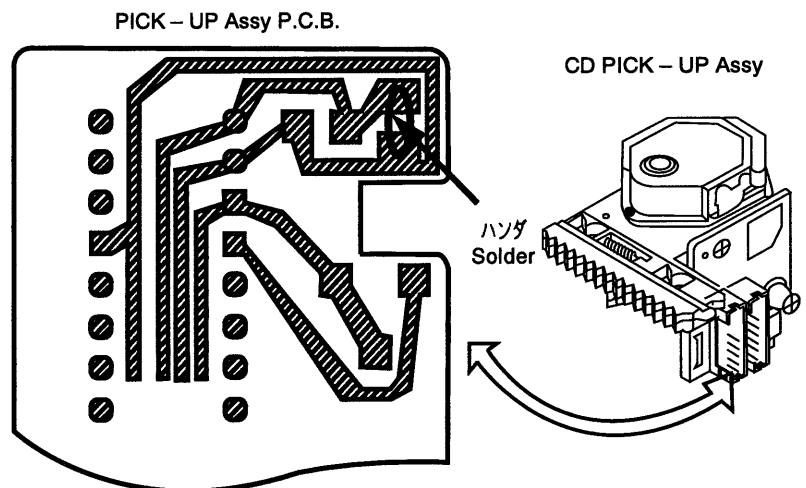


Precaution to replace Optical block

(KSS-210A)

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 figure below.



SPECIFICATIONS

<FM section>

Frequency range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	1.3 μ V (75 ohms) 13.2 dBf
Alternate channel selectivity	50 dB ($\pm$ 400 kHz)
Signal-to-noise ratio	STEREO: 70 dB MONO: 76 dB
Harmonic distortion	0.3 % (MONO), 1 kHz 0.5 % (STEREO, L-R), 1 kHz
Frequency response	30 Hz to 15 kHz (+0.5 dB, -3dB)
Stereo separation	33 dB at 1 kHz
Antenna	75 ohms (unbalanced)

<AM (MW) section>

Frequency range	LH:AM 530 (531) kHz to 1710 (1602)kHz HE,G,EE,K,EZ,Z:AM 531 (530) kHz to 1602 (1710)kHz
Usable sensitivity	350 μ V/m
Selectivity	22 dB (9 kHz)
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

<LW Section> (except HE,G,LH)

Frequency range	144 kHz to 290 kHz
Sensitivity	1400 μ V/m
Antenna	Loop antenna

<Timer section>

Program timer	On-timer, free setting
Sleep timer	Setting in 10-minute increments, 240 minutes maximum

<Amplifier section>

Power output	LH,HE,G,K:50 W + 50 W (6 ohms, T.H.D. 10% 1kHz) EE,K,EZ,Z: 30 W + 30 W (6 ohms, T.H.D. 1% 1kHz)
Harmonic distortion	0.05 % (15 W, 1 kHz, 6 ohms)
Input terminal	VIDEO/AUX: 150 mV (adjustable) PHONO: 300 mV MIC: 1.8 mV/10 k Ω
Output terminal	SUPER WOOFER: 1.5 V

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	CrO ₂ tape: 50 - 16000 Hz Normal tape: 50 - 15000 Hz
Signal-to-noise ratio	60 dB (DOLBY NR ON,CrO ₂ tape peak level)
Tape speed	4.8 cm/sec. (1 $\frac{7}{8}$ ips)
Recording system	AC bias
Erase system	AC erase
Motor	DC servo motor x 1
Heads	Playback head x 1 (deck 1) Recording/playback/erasure head x 1 (deck 2)

<CD player section>

Disc	Compact disc
Scanning method	Non-contact optical scanner (semi-conductor laser)
Laser	Semiconductor laser (1 $\approx$ 780 nm)
Rotation speed	Approx. 500 rpm-200 rpm (CLV)
Error correction	Cross Interleave, Reed Solomon code
No. of channels	2 channels
D-A conversion	1-bit linear
Wow/flutter	Unmeasurable
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.05% (1 kHz, 0 dB)

<Speaker system> (HE)

(These values are for one speaker.)

Cabinet type	3 way, bass reflex
Speaker	220 mm (8 $\frac{3}{4}$ in.) cone type woofer 60 mm (2 $\frac{3}{8}$ in.) cone type tweeter 30 mm (1 $\frac{3}{16}$ in.) ceramic type super tweeter
Impedance	6 ohms
Music power	60 W
Output sound pressure level	90 dB/W/m
Dimensions (W x H x D)	260 x 434x 215 mm (10 $\frac{1}{4}$ x 17 $\frac{1}{8}$ x 8 $\frac{1}{4}$ in.)
Weight	4.4 kg (9.7 lbs.)

<Speaker system> (G,LH,EZ,Z)

(These values are for one speaker.)

Cabinet type	4 way, bass reflex with surround speaker.
Speaker	220 mm (8 $\frac{3}{4}$ in.) cone type woofer 80 mm (3 $\frac{1}{4}$ in.) cone type mid range 50 mm (2 in.) ceramic type tweeter 20 mm (1 $\frac{3}{16}$ in.) ceramic type super tweeter 80 mm (3 $\frac{1}{4}$ in.) surround speaker
Impedance	6 ohms Surround speaker :16 ohms
Music power	60 W (Surround speaker :20 W)
Output sound pressure level	90 dB/W/m
Dimensions (W x H x D)	260 x 434x 280 mm (10 $\frac{1}{4}$ x 17 $\frac{1}{8}$ x 11 $\frac{1}{8}$ in.)
Weight	5.4 kg (11lbs.14 oz)

<Speaker system> (EE,K,EZ)

(These values are for one speaker.)

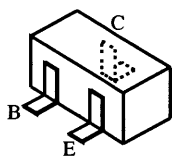
Cabinet type	2 way, bass reflex
Speaker	170 mm (6 $\frac{3}{4}$ in.) cone type woofer 60 mm (2 $\frac{3}{8}$ in.) cone type tweeter
Impedance	6 ohms
Music power	45 W
Output sound pressure level	89 dB/W/m
Dimensions (W x H x D)	260 x 434x 190 mm (10 $\frac{1}{4}$ x 17 $\frac{1}{8}$ x 7 $\frac{1}{2}$ in.)
Weight	4.4 kg (9.7 lbs.)

<Common section>

Power requirements	LH,HE:AC 120 V/220 V/240 V, switch-able 50/60 Hz G,EE,EZ,Z:AC 230 V, 50Hz K:AC 230 V-240 V, 50Hz
Power consumption (System total)	HE,LH: 105 W G,EE,K,EZ: 230 W
Dimensions (W x H x D)	Main unit: 360 x 380.5 x 328 mm (14 $\frac{1}{4}$ x 15 x 13 in.) System : 880 x 434 x 328 mm (34 $\frac{3}{4}$ x 17 $\frac{1}{8}$ x 13 in.)
Weight	Main unit: 9.1kg (20 lbs.) (LH,HE model) 9 kg (19.8 lbs) (EE,K,EZ,Z model) System: 17.9 kg (39.4 lbs.) (HE model) 19.9 kg (43.78 lbs.) (LH,G,EZ,Zmodel) 19.8 kg (43.56lbs.) (EE,K,EZ model)

- Design and specifications are subject to change without notice.
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- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
 Under license from BBE Sound, Inc.

TRANSISTORS ILLUSTRATION

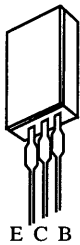


2SA1162
2SC1623
2SC2712
2SC3326
2SC2714
2SK543
2SK302
2SK211

DTA114TK
DTA143EK
DTA144EK
DTA144WK
DTC114YK
DTC144EK
DTC143XK



2SA1296
2SA952
2SA1015
2SA1318
2SC3331
2SC1815
2SC3266
2SD655
KTA1266
KTC3198
2SA933S
2SC1740



2SK365
DTA114YS



2SK246



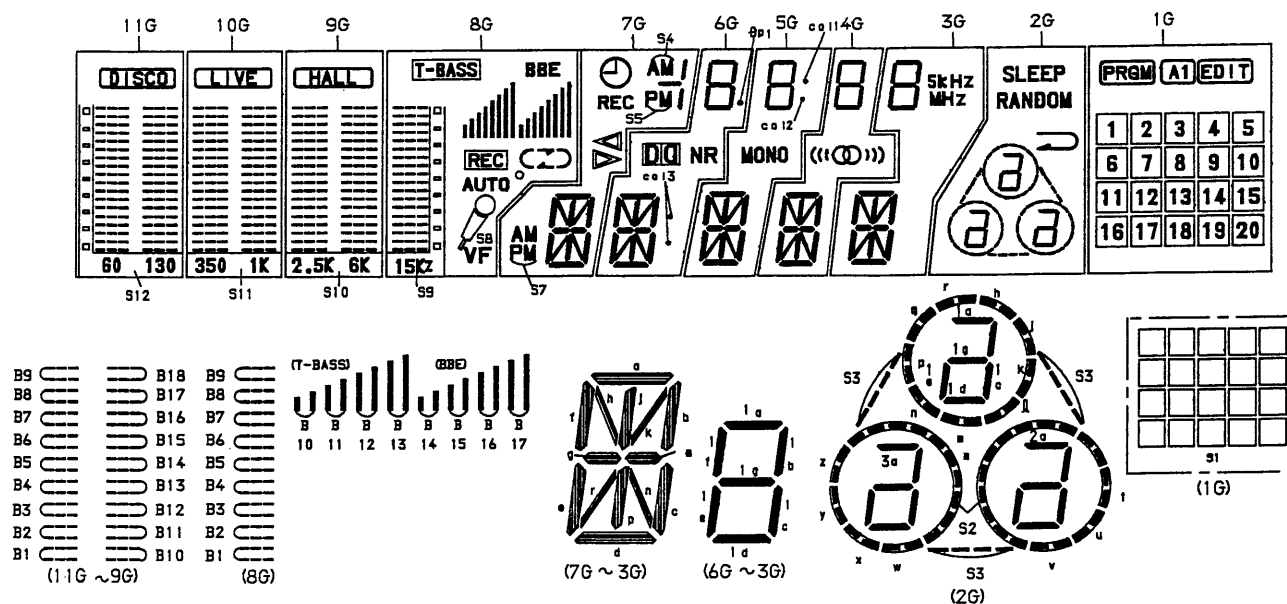
2SB1370



2SB1329

FL (BJ279GK) GRID ASSIGNMENT / ANODE CONNECTION

GRID ASSIGNMENT



ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B10	B10	B10	C	d	d	d	d	d	s, t, w, x	20
P2	B1	B1	B1	B1	j, p	j, p	j, p	j, p	j, p	u, v, y, z	19
P3	B11	B11	B11	S8	n	n	n	n	n	3e	18
P4	B2	B2	B2	B2	r	r	r	r	r	3c	17
P5	B12	B12	B12	C	c	c	c	c	c	3a, 3d, 3g	16
P6	B3	B3	B3	B3	e	e	e	e	e	3b	15
P7	B13	B13	B13	O	m	m	m	m	m	2e	14
P8	B4	B4	B4	B4	g	g	g	g	g	2c	13
P9	B5	B5	B5	B5	f	f	f	f	f	2a, 2d, 2g	11
P10	B15	B15	B15	AUTO	b	b	b	b	b	S3	10
P11	B6	B6	B6	B6	k	k	k	k	k	j, m, q	9
P12	B16	B16	B16	B10	h	h	h	h	h	h, l, p	8
P13	B7	B7	B7	B7	a	a	a	a	a	k, n, r	7
P14	B14	B14	B14	REC	S7	co l3	co l1	—	KH z	2b	12
P15	B17	B17	B17	B11	S6	DO NR	MONO	((((O)))	5	1e	6
P16	B8	B8	B8	B8	▷	▷p1	co l2	—	MH z	1a, 1d, 1g	5
P17	B18	B18	B18	B12	◁	1d	1d	1d	1d	1c	4
P18	B9	B9	B9	B9	REC	1e	1e	1e	1e	1b	3
P19	□	□	□	B13	S5	1c	1c	1c	1c	—	2
P20	—	—	—	B14	—	1g	1g	1g	1g	S2	1
P21	—	—	—	B15	/	1f	1f	1f	1f	—	EDIT
P22	—	—	—	B16	⊕	1b	1b	1b	1b	SLEEP	A1
P23	DISCO	LIVE	HALL	B17	S4	1a	1a	1a	1a	RANDOM	PRGM
P24	S12	S11	S10	S9	—	—	—	—	—	—	S1
P25	—	—	—	BBE	—	—	—	—	—	—	—

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				87-002-225-019			DIODE DBF 40C-K10
	87-020-454-019		IC DN 6851	87-017-011-089			DIODE LT IN4003L
	87-017-745-010		IC, CXA1782BQ	87-020-691-089			DIODE, 1SS132
	87-017-486-089		IC, BA6397FP	87-020-125-089			C-DIODE, 1SS181
	87-017-586-010		IC, CXD2518Q	87-020-465-089			DIODE, 1SS133
	87-017-194-010		IC, PLT104	87-027-385-089			ZENER, HZ11A3L(TA)
	87-017-585-089		IC, NJM4580E	87-017-147-089			ZENER, HZS33-2
	87-017-941-019		IC, SPS422-1 H	87-027-702-089			ZENER, HZ6C2L
	87-020-966-019		IC STK4142-MK2<EE, K, EZ, Z>	87-020-331-089			C-DIODE, DAN202K
	87-001-582-019		IC, STK4152-2<HE, G, LH>	87-027-332-089			ZENER, HZ6B1L
	87-017-738-019		IC, NJM2068LD	87-020-330-089			C-DIODE, DAP202K
	87-001-982-019		IC, TA7291S	87-001-559-089			DIODE 1SS131(T-72)
	87-017-887-010		IC, XR1090 ACP	87-001-290-089			ZENER, HZS6B1L
	87-002-901-089		IC, BU4094 BF	87-027-393-089			ZENER, HZ4C2
	87-002-727-019		IC, NJM4558L	87-002-730-089			VARI-CAP SVC203SPA
	87-002-872-080		IC, MC14053 BF	87-017-091-089			ZENER, HZS5C1
	87-001-874-019		IC, HA12134A	MAIN C.B			
	87-017-673-019		IC, BA3837	BPF831	87-030-105-010		FLTR, BPMB6A<EE, K, EZ, Z>
	87-017-449-010		IC, XR-C1071CP	C101	87-016-055-099		CAP-E 3300-42
	87-002-444-019		IC, BU4094B	C102	87-016-055-099		CAP-E 3300-42
	87-017-888-089		IC, NJM4558MD	C103	87-010-390-019		CAP, E 3300-25 SME
	87-002-247-019		IC, BU4052B	C104	87-010-235-919		CAP, E 470-16 SME
	87-001-376-010		IC, LC7218	C105	87-010-381-089		CAP, E 330-16 SME
	87-002-967-089		IC, BU4052	C106	87-010-764-089		CAP, E 47-63V
	87-001-607-089		IC, NJM4558L	C107	87-010-392-089		CAP, E 33-35 SME
	87-017-714-019		IC, LA1836	C108	87-010-406-089		CAP, E 22-50 SME
	87-001-530-010		IC, LA3607	C109	87-010-263-089		CAP, E 100-10 SME 5X11
	87-001-528-010		IC, LC7522	C112	87-010-237-919		CAP, E 1000-16
	87-017-309-010		IC, M65830P	C113	87-010-403-089		CAP, E 3.3-50 SME
	84-MA1-652-010		IC, LC866432V-5586	C114	87-016-247-089		C-CAP, 0.1-50 F<EE, K, EZ, Z>
TRANSISTOR				C115	87-016-247-089		C-CAP, 0.1-50 F
	89-110-154-089		TR, 2SA1015Y	C116	87-012-140-089		C-CAP, S 470P-50 CH
	89-113-187-889		TR, 2SA 1318 TU	C117	87-016-247-089		C-CAP, 0.1-50 F<EE, K, EZ, Z>
	87-026-233-089		C-TR, DTA114TK	C118	87-016-247-089		C-CAP, 0.1-50 F
	87-026-211-089		C-TR, DTA144EK	C119	87-018-205-089		CAP, TC-U 0.022-25 F
	89-316-236-089		TR, 2SC1623 L6	C120	87-018-205-089		CAP, TC-U 0.022-25 F
	89-213-702-019		TR, 2SB1370E	C122	87-015-785-089		C-CAP, 0.1-25 F
	87-026-609-089		TR, KTA1266GR	C152	87-010-374-089		CAP, E 47-10
	89-332-665-089		TR, 2SC3266GR	C201	87-012-369-089		C-CAP, S0.047-50F<EE, K, EZ, Z>
	87-026-610-089		TR, KTC3198GR	C202	87-018-208-089		CAP, TC-U0.04750F<EE, K, EZ, Z>
	89-111-625-089		C-TR, 2SA1162GR	C213	87-010-404-089		CAP, E 4.7-50 SME
	89-333-266-089		C-TR, 2SC3326B	C214	87-010-404-089		CAP, E 4.7-50 SME
	87-026-232-089		C-TR, DTA144WK	C215	87-010-182-089		C-CAP, S 2200P-50 B
	87-026-210-089		C-TR, DTC144EK T147	C216	87-010-182-089		C-CAP, S 2200P-50 B
	89-213-293-089		TR, 2SB1329R (T105)<HE, G, LH>	C217	87-010-404-089		CAP, E 4.7-50 SME
	89-318-154-089		TR, 2SC1815Y	C218	87-010-404-089		CAP, E 4.7-50 SME
	89-333-317-089		TR, 2SC3331T	C219	87-010-185-089		C-CAP, S 3900P-50 B
	89-406-555-089		TR, 2SD655E	C220	87-010-185-089		C-CAP, S 3900P-50 B
	87-026-213-089		C-TR, DTC114YK	C221	87-010-400-089		CAP, E 0.47-50 SME
	87-026-226-089		C-TR, DTA143EK	C222	87-010-400-089		CAP, E 0.47-50 SME
	89-503-655-089		TR, FET 2SK365 GR, BL	C223	87-010-260-089		CAP, E 47-25 SME
	89-113-187-089		TR, 2SA1318TU	C224	87-010-260-089		CAP, E 47-25 SME
	89-327-126-089		C-TR, 2SC2712BL<EE, K, EZ, Z>	C225	87-010-260-089		CAP, E 47-25 SME
	87-026-224-089		C-TR, DTC143XK	C226	87-010-260-089		CAP, E 47-25 SME
	89-109-521-089		TR, 2SA952K	C227	87-012-368-089		C-CAP S 0.1-50F
	89-112-965-089		TR, 2SA1296GR	C228	87-012-368-089		C-CAP S 0.1-50F
	89-502-464-089		FET, 2SK246Y	C229	87-012-361-089		C-CAP, S 0.056-25 Y
	87-026-214-089		TR, DTA114YS	C230	87-012-361-089		C-CAP, S 0.056-25 Y
	89-327-143-089		C-TR, 2SC2714 (O)	C236	87-010-408-089		CAP, E 47-50 SME
	89-503-025-089		C-FET, 2SK302 GR	C237	87-012-368-089		C-CAP S 0.1-50F<EE, K, EZ, Z>
	89-502-115-089		C-FET, 2SK211GR<EE, K, EZ, Z>	C238	87-012-368-089		C-CAP S 0.1-50F<EE, K, EZ, Z>
	89-505-434-589		C-FET, 2SK543(4/5)	C243	87-010-154-089		C-CAP, S 10P-50 CH
	87-026-463-089		TR, 2SA933S	C244	87-010-154-089		C-CAP, S 10P-50 CH
DIODE				C245	87-010-194-089		C-CAP, S 0.047-25 F
	87-002-564-089		DIODE 1SS133	C250	87-010-196-089		C-CAP, S 0.1-25 F
	87-020-027-089		C-DIODE, 1SS184	C303	87-012-155-089		C-CAP, S 180P-50 CH
				C304	87-012-155-089		C-CAP, S 180P-50 CH

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C305	87-010-189-089	C-CAP,S	8200P-50 B	C538	87-010-196-089	C-CAP,S	0.1-25 F
C306	87-010-189-089	C-CAP,S	8200P-50 B	C540	87-010-260-089	CAP,E	47-25 SME
C309	87-010-197-089	C-CAP,S	0.01-25B	C541	87-010-196-089	C-CAP,S	0.1-25 F
C310	87-010-197-089	C-CAP,S	0.01-25B	C543	87-010-546-089	CAP,E	0.33-50 SME
C311	87-010-213-089	C-CAP,S	0.015-25B	C544	87-010-546-089	CAP,E	0.33-50 SME
C312	87-010-213-089	C-CAP,S	0.015-25B	C547	87-010-198-089	C-CAP,S	0.022-25B<HE,G,LH>
C313	87-012-368-089	C-CAP S	0.1-50F	C547	87-010-193-089	C-CAP,S	0.033-25F<EE,K,EZ,Z>
C351	87-012-154-089	C-CAP,S	150P-50CH	C548	87-010-198-089	C-CAP,S	0.022-25 B<HE,G,LH>
C352	87-012-154-089	C-CAP,S	150P-50CH	C548	87-010-193-089	C-CAP,S	0.033-25 F<EE,K,EZ,Z>
C353	87-012-145-089	C-CAP S	270P-50CH	C551	87-010-404-089	CAP,E	4.7-50 SME
C354	87-012-145-089	C-CAP S	270P-50CH	C552	87-010-404-089	CAP,E	4.7-50 SME
C355	87-012-154-089	C-CAP,S	150P-50CH	C560	87-016-081-089	C-CAP,S	0.1-16 RK
C356	87-012-154-089	C-CAP,S	150P-50CH	C561	87-016-081-089	C-CAP,S	0.1-16 RK
C357	87-010-189-089	C-CAP,S	8200P-50B	C601	87-010-401-089	CAP,E	1-50 SME
C358	87-010-189-089	C-CAP,S	8200P-50B	C602	87-010-405-089	CAP,E	10-50 SME
C361	87-010-197-089	C-CAP,S	0.01-25B	C603	87-010-101-089	CAP,E	220-16 SME
C362	87-010-197-089	C-CAP,S	0.01-25B	C605	87-015-627-089	C-CAP,1000P-50 B	
C363	87-010-197-089	C-CAP,S	0.01-25B	C606	87-015-627-089	C-CAP,1000P-50 B	
C364	87-010-197-089	C-CAP,S	0.01-25B	C607	87-010-404-089	CAP,E	4.7-50 SME
C365	87-010-197-089	C-CAP,S	0.01-25B<EE,K,EZ,Z>	C608	87-010-404-089	CAP,E	4.7-50 SME
C366	87-010-197-089	C-CAP,S	0.01-25B<EE,K,EZ,Z>	C609	87-010-404-089	CAP,E	4.7-50 SME
C401	87-010-402-089	CAP,E	2.2-50 SME	C610	87-010-404-089	CAP,E	4.7-50 SME
C402	87-010-402-089	CAP,E	2.2-50 SME	C611	87-010-177-089	C-CAP,S	820P-50 SL
C405	87-010-197-089	C-CAP,S	0.01-25 B	C612	87-010-177-089	C-CAP,S	820P-50 SL
C406	87-010-197-089	C-CAP,S	0.01-25 B	C613	87-010-404-089	CAP,E	4.7-50 SME
C409	87-010-181-089	C-CAP,S	1800P-50 B	C614	87-010-404-089	CAP,E	4.7-50 SME
C410	87-010-181-089	C-CAP,S	1800P-50 B	C615	87-010-400-089	CAP,E	0.47-50 SME
C411	87-010-188-089	C-CAP,S	6800P-50 B	C616	87-010-400-089	CAP,E	0.47-50 SME
C412	87-010-188-089	C-CAP,S	6800P-50 B	C617	87-010-197-089	C-CAP,S	0.01-25 B
C412	87-010-188-089	C-CAP,S	6800P-50 B	C618	87-010-197-089	C-CAP,S	0.01-25 B
C415	87-012-154-089	C-CAP,S	150P-50 CH	C619	87-010-184-089	C-CAP,S	3300P-50 B
C416	87-012-154-089	C-CAP,S	150P-50 CH	C620	87-010-184-089	C-CAP,S	3300P-50 B
C451	87-012-156-089	C-CAP,S	220P-50 CH	C621	87-012-155-089	C-CAP,S	180P-50 CH
C452	87-012-156-089	C-CAP,S	220P-50 CH	C622	87-012-155-089	C-CAP,S	180P-50 CH
C453	87-010-178-089	C-CAP,S	1000P-50 B	C623	87-010-405-089	CAP,E	10-50 SME
C454	87-010-178-089	C-CAP,S	1000P-50B<EE,K,EZ,Z>	C624	87-010-405-089	CAP,E	10-50 SME
C455	87-010-178-089	C-CAP,S	1000P-50B<EE,K,EZ,Z>	C630	87-010-405-089	CAP,E	10-50 SME
C456	87-010-260-089	CAP,E	47-25 SME	C631	87-010-401-089	CAP,E	1-50 SME
C457	87-010-197-089	C-CAP,S	0.01-25 B	C640	87-010-196-089	C-CAP,S	0.1-25 F
C458	87-010-183-089	C-CAP,S	2700P-50 B	C641	87-010-196-089	C-CAP,S	0.1-25 F
C459	87-010-183-089	C-CAP,S	2700P-50 B	C645	87-012-142-089	C-CAP,S	0.33-16 F
C460	87-010-183-089	C-CAP,S	2700P-50 B	C646	87-012-142-089	C-CAP,S	0.33-16 F
C470	87-010-196-089	C-CAP,S	0.1-25 F	C647	87-012-142-089	C-CAP,S	0.33-16 F
C501	87-010-196-089	C-CAP,S	0.1-25 F	C648	87-012-142-089	C-CAP,S	0.33-16 F
C502	87-010-196-089	C-CAP,S	0.1-25 F	C701	87-010-381-089	CAP,E	330-16 SME
C503	87-012-155-089	C-CAP,S	180P-50 CH	C702	87-010-404-089	CAP,E	4.7-50 SME
C504	87-012-155-089	C-CAP,S	180P-50 CH	C703	87-010-197-089	C-CAP,S	0.01-25 B
C507	87-010-178-089	C-CAP,S	1000P-50 B	C704	87-010-197-089	C-CAP,S	0.01-25 B
C508	87-010-178-089	C-CAP,S	1000P-50 B	C711	87-010-263-089	CAP,E	100-10 SME 5X11
C509	87-010-371-089	CAP,E	470-6.3	C712	87-010-196-089	C-CAP,S	0.1-25 F
C515	87-010-545-089	CAP,E	0.22-50 SME	C722	87-010-151-089	C-CAP,S	7P-50 CH
C516	87-010-545-089	CAP,E	0.22-50 SME	C723	87-010-178-089	C-CAP,S	1000P-50 B
C517	87-012-142-089	C-CAP,S	0.33-16 F	C724	87-010-178-089	C-CAP,S	1000P-50 B
C518	87-012-142-089	C-CAP,S	0.33-16 F	C725	87-010-178-089	C-CAP,S	1000P-50 B
C519	87-010-196-089	C-CAP,S	0.1-25 F	C726	87-010-178-089	C-CAP,S	1000P-50 B
C520	87-010-197-089	C-CAP,S	0.01-25B<EE,K,EZ,Z>	C727	87-010-194-089	C-CAP,S	0.047-25 F
C521	87-010-197-089	C-CAP,S	0.01-25	C728	87-010-248-089	CAP,E	220-10 SME
C522	87-010-318-089	C-CAP,S	47P-50 CH	C732	87-010-197-089	C-CAP,S	0.01-25 B
C523	87-010-197-089	C-CAP,S	0.01-25 B	C771	87-010-405-089	CAP,E	10-50 SME
C524	87-010-402-089	CAP,E	2.2-50 SME	C772	87-010-194-089	C-CAP,S	0.047-25 F
C525	87-010-322-089	C-CAP,S	100P-50CH<EE,K,EZ,Z>	C773	87-010-196-089	C-CAP,S	0.1-25 F
C526	87-010-322-089	C-CAP,S	100P-50CH<EE,K,EZ,Z>	C774	87-010-263-089	CAP,E	100-10 SME 5X11
C530	87-010-194-089	C-CAP,S	0.047-25 F	C775	87-010-405-089	CAP,E	10-50 SME
C531	87-010-545-089	CAP,E	0.22-50 SME	C776	87-010-197-089	C-CAP,S	0.01-25 B
C532	87-010-382-089	CAP,E	22-25 SME	C777	87-010-400-089	CAP,E	0.47-50 SME
C533	87-010-404-089	CAP,E	4.7-50 SME	C778	87-010-401-089	CAP,E	1-50 SME
C534	87-010-404-089	CAP,E	4.7-50 SME	C779	87-010-401-089	CAP,E	1-50 SME
C535	87-010-404-089	CAP,E	4.7-50 SME	C780	87-010-197-089	C-CAP,S	0.01-25 B
C536	87-010-404-089	CAP,E	4.7-50 SME	C781	87-010-405-089	CAP,E	10-50 SME
C537	87-010-196-089	C-CAP,S	0.1-25 F	C782	87-010-405-089	CAP,E	10-50 SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C787	87-010-184-089	C-CAP,S	3300P-50 B	J253	87-099-474-019		JACK,PIN 3P BLK<HE,G,LH>
C788	87-010-184-089	C-CAP,S	3300P-50 B	J253	87-099-475-019		JACK,PIN 3P BLK W/E<EE,K,EZ,Z>
C789	87-010-179-089	C-CAP,S	1200P-50 B	J254	87-033-233-019		TERMINAL,SPKR
C790	87-010-179-089	C-CAP,S	1200P-50 B	J652	87-099-625-019		JACK PIN 4P,RVS (KM)
C791	87-010-401-089	CAP,E	1-50 SME	J801	87-033-235-019		TERMINAL,ANT (H)<HE,G,LH>
C792	87-010-180-089	C-CAP,S	1500P-50 B<HE,G,LH>	J801	87-033-230-019		TERMINAL,ANT AJ-2016<EE,K,EZ,Z>
C793	87-010-189-089	C-CAP,S	8200P-50 B	L201	87-005-366-019		COIL,IUH<EE,K,EZ,Z>
C794	87-010-260-089	CAP,E	47-25 SME<EE,K,EZ,Z>	L202	87-005-366-019		COIL,IUH<EE,K,EZ,Z>
C795	87-010-194-089	C-CAP,S	0.047-25 F	L401	87-003-131-089		COIL,10MH J
C796	87-010-403-089	CAP,E	3.3-50 SME	L402	87-003-131-089		COIL,10MH J
C797	87-010-405-089	CAP,E	10-50 SME	L403	82-231-622-089		COIL,22MH-J
C798	87-010-196-089	C-CAP,S	0.1-25 F	L404	82-231-622-089		COIL,22MH-J
C802	87-010-154-089	C-CAP,S	10P-50 CH	L451	87-007-312-019		COIL,OSC BIAS 85K
C802	87-010-311-089	C-CAP,S	12P-50 CH<EE,K,EZ,Z>	L701	87-006-235-019		COIL,TRAP MPX
C804	87-010-151-089	C-CAP,S	7P-50 CH<HE,G,LH>	L702	87-006-235-019		COIL,TRAP MPX
C805	87-010-147-089	C-CAP,S	3P-50 CH<EE,K,EZ,Z>	L741	87-006-259-019		COIL,FM DET
C805	87-010-150-089	C-CAP,S	6P-50 CH<HE,G,LH>	L742	82-NT1-659-019		FLTR,CPAZ-450 2NT
C806	87-010-148-089	C-CAP,S	4P-50 CH<EE,K,EZ,Z>	L770	87-003-102-089		COIL,10UH
C807	87-010-154-089	C-CAP,S	10P-50 CH<HE,G,LH>	L771	87-003-098-089		COIL,2.2UH<HE,G,LH>
C807	87-010-313-089	C-CAP,S	18P-50 CH<EE,K,EZ,Z>	L801	87-006-263-019		COIL,ANTFM 3/4TS,L4
C808	87-010-166-089	C-CAP,S	100P-50 SL<HE,G,LH>	L802	87-006-265-019		COIL,ANT FM2-3/4 TS
C809	87-010-197-089	C-CAP,S	0.01-25 B	L803	87-006-262-019		COIL,RF FM3-1/2T,L4
C810	87-010-197-089	C-CAP,S	0.01-25 B	L804	87-006-264-019		COIL,RF FM3-1/2TS,L4
C811	87-010-149-089	C-CAP,S	5P-50 CH	L805	87-003-098-089		COIL,2.2UH
C812	87-010-312-089	C-CAP,S	15P-50 CH	L806	87-006-257-019		COIL,FMIFT
C813	87-010-197-089	C-CAP,S	0.01-25 B<EE,K,EZ,Z>	L807	87-006-258-019		COIL,FM OSC
C814	87-010-197-089	C-CAP,S	0.01-25 B	L831	87-006-264-019		COIL,RFFM3-1/2TS,L4<EE,K,EZ,Z>
C816	87-010-197-089	C-CAP,S	0.01-25 B	L832	87-003-098-089		COIL,2.2UH
C817	87-010-197-089	C-CAP,S	0.01-25 B<HE,G,LH>	L941	87-006-261-019		COIL,LW ANT<EE,K,EZ,Z>
C818	87-010-197-089	C-CAP,S	0.01-25 B	L942	87-006-260-019		COIL,LW OSC<EE,K,EZ,Z>
C819	87-010-197-089	C-CAP,S	0.01-25 B	L981	81-MX4-620-019		AM PACK 3,S<HE,G,LH>
C820	87-010-260-089	CAP,E	47-25 SME<EE,K,EZ,Z>	L981	87-042-147-019		AM PACK 4<EE,K,EZ,Z>
C821	87-010-197-089	C-CAP,S	0.01-25 B	R105	87-022-050-089		RES METAL 1W-0.22J
C822	87-010-197-089	C-CAP,S	0.01-25 B<HE,G,LH>	R106	87-022-050-089		RES METAL 1W-0.22J
C823	87-010-197-089	C-CAP,S	0.01-25 B	R203	87-022-391-089		RES,M/F 0.47-1W
C826	87-010-197-089	C-CAP,S	0.01-25 B<EE,K,EZ,Z>	R204	87-022-391-089		RES,M/F 0.47-1W
C827	87-010-154-089	C-CAP,S	10P-50 CH<EE,K,EZ,Z>	R243	87-022-391-089		RES,M/F 0.47-1W
C827	87-010-145-089	C-CAP,S	1P-50 CH	R244	87-022-391-089		RES,M/F 0.47-1W
C830	87-010-197-089	C-CAP,S	0.01-25 B	RY101	87-045-371-019		RELAY AJW5211813
C830	87-010-260-089	CAP,E	47-25 SME<HE,G,LH>	RY102	87-045-335-010		RELAY,G5Z-2A 12VDC<LH,Z>
C831	87-010-154-089	C-CAP,S	10P-50 CH<HE,G,LH>	SFR301	87-024-168-089		SFR, 1K DIA6 V
C832	87-010-314-089	C-CAP,S	22P-50 CH<EE,K,EZ,Z>	SFR302	87-024-168-089		SFR, 1K DIA6 V
C834	87-010-154-089	C-CAP,S	10P-50 CH<EE,K,EZ,Z>	SFR351	87-024-168-089		SFR, 1K DIA6 V
C835	87-010-154-089	C-CAP,S	10P-50 CH<HE,G,LH>	SFR352	87-024-168-089		SFR, 1K DIA6 V
C836	87-010-312-089	C-CAP,S	15P-50 CH	SFR401	87-024-168-089		SFR, 1K DIA6 V
C837	87-010-312-089	C-CAP,S	15P-50 CH	SFR402	87-024-168-089		SFR, 1K DIA6 V
C840	87-010-197-089	C-CAP,S	0.01-25 B	SFR451	87-024-175-089		SFR,47K DIA6 V
C843	87-010-146-089	C-CAP,S	2P-50 CH	SFR452	87-024-175-089		SFR,47K DIA6 V
C851	87-010-197-089	C-CAP,S	0.01-25 B	SFR722	87-024-651-089		SFR 6.8K DIA6 V
C941	87-010-197-089	C-CAP,S	0.01-25 B<EE,K,EZ,Z>	SFR771	87-024-173-089		SFR 22K DIA6 V
C942	87-010-311-089	C-CAP,S	12P-50 CH<EE,K,EZ,Z>	TC701	87-011-221-089		TRIMMER.30P VCT51
C944	87-010-154-089	C-CAP,S	10P-50 CH<EE,K,EZ,Z>	TC801	87-011-219-089		CAP TRIMMER 10P VCT
C944	87-010-311-089	C-CAP,S	12P-50 CH<HE,G,LH>	TC802	87-011-219-089		CAP TRIMMER 10P VCT
C945	87-014-050-089	CAP,PP	510P-100 J<EE,K,EZ,Z>	TC803	87-011-219-089		CAP TRIMMER 10P VCT<EE,K,EZ,Z>
C946	87-010-401-089	CAP,E	1-50 SME	TC941	87-011-221-089		TRIMER.30P VCT51<EE,K,EZ,Z>
C947	87-010-197-089	C-CAP,S	0.01-25 B	VR651	82-NF5-660-019		VR 50K BX2 RK14K 12A
C948	87-010-401-089	CAP,E	1-50 SME	W101	84-MA1-683-019		F-CABLE 7P-2.5
C949	87-010-196-089	C-CAP,S	0.1-25 F<EE,K,EZ,Z>	X703	84-508-618-019		VIB,CER CSB 456 F/5
C950	87-010-166-089	C-CAP,S	100P-50 SL<HE,G,LH>	X721	87-030-372-019		VIB,XTAL 7.2MHZ
C981	87-018-134-019	CAP,TC-U	0.01-16 Y				
C983	87-015-691-089	CAP,E	0.1-50 7L	FRONT C.B			
C984	87-010-196-089	C-CAP,S	0.1-25 F	C201	87-010-404-049		CAP,E 4.7-50 SME
C985	87-010-196-089	C-CAP,S	0.1-25 F	C202	87-010-404-049		CAP,E 4.7-50 SME
C987	87-010-197-089	C-CAP,S	0.01-25 B	C203	87-010-408-089		CAP,E 47-50 SME
C988	87-015-785-089	C-CAP,	0.1-25 F	C204	87-010-071-089		CAP,E 1-50 5L
C990	87-010-197-089	C-CAP,S	0.01-25 B	C205	87-010-263-049		CAP,E 100-10
CF801	87-008-261-019	FLTR,SFE10.7MA5-A	<HE,G,LH>				
CF803	82-785-747-019	CF,MS2 GHY,R	<EE,K,EZ,Z>	C206	87-010-248-049		CAP,E 220-10 SME
CF803	87-008-261-019	FLTR,SFE10.7MA5-A	<HE,G,LH>	C207	87-010-071-089		CAP,E 1-50 5L
J250	87-099-630-019	JACK,	6.3(KM)	C208	87-010-196-089		C-CAP,S 0.1-25 F

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C212	87-010-405-089	CAP,E 10-50 SME		C841	87-010-196-089	C-CAP,S 0.1-25 F	
C213	87-010-196-089	C-CAP,S 0.1-25 F		C842	87-010-248-089	CAP,E 220-10 SME	
C214	87-012-140-089	C-CAP,S 470P-50 CH		C846	87-015-785-089	C-CAP,0.1-25 F	
C215	87-010-196-089	C-CAP,S 0.1-25 F		C903	87-010-402-089	CAP,E 2.2-50 SME	
C216	87-010-196-089	C-CAP,S 0.1-25 F		C904	87-010-402-089	CAP,E 2.2-50 SME	
C218	87-010-452-089	C-CAP,1-16F		FL201	84-MA1-651-019	FL,BJ279 GK	
C219	87-010-146-089	C-CAP,S 2P-50 CH		J601	87-099-659-019	JACK,6.3 JY-6314-01130	
C352	87-010-197-089	C-CAP,S 0.01-25 B		J621	87-099-659-019	JACK,6.3 JY-6314-01130	
C381	87-010-196-089	C-CAP,S 0.1-25 F		L301	87-003-149-089	COIL,47UH	
C382	87-010-196-089	C-CAP,S 0.1-25 F		LED320	87-017-731-080	LED,SEL1510CM2	
C383	87-010-196-089	C-CAP,S 0.1-25 F		LED321	87-017-731-080	LED,SEL1510CM2	
C384	87-010-196-089	C-CAP,S 0.1-25 F		LED322	87-017-731-080	LED,SEL1510CM2	
C385	87-010-150-089	C-CAP,S 6P-50 CH		LED323	87-017-731-080	LED,SEL1510CM2	
C386	87-010-401-049	CAP,E 1-50 SME		LED324	87-002-787-080	LED,SEL 6215S RED	
C401	87-010-196-089	C-CAP,S 0.1-25 F		LED325	87-002-787-080	LED,SEL 6215S RED	
C501	87-010-384-089	CAP,E 100-25 SME		LED326	87-002-787-080	LED,SEL 6215S RED	
C604	87-010-183-089	C-CAP,S 2700P-50 B		LED327	87-002-787-080	LED,SEL 6215S RED	
C606	87-010-401-089	CAP,E 1-50 SME		LED401	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C607	87-012-140-089	C-CAP,S 470P-50 CH		LED402	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C608	87-015-699-089	CAP,E 10-50 7L		LED403	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C609	87-010-196-089	C-CAP,S 0.1-25 F		LED404	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C610	87-012-145-089	C-CAP S 270P-50CH		LED405	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C613	87-010-196-089	C-CAP,S 0.1-25 F		LED406	87-017-960-089	LED,L-1573PGC-TNB 5/5	
C624	87-010-183-089	C-CAP,S 2700P-50 B		LED407	87-017-731-080	LED,SEL1510CM2	
C626	87-010-401-089	CAP,E 1-50 SME		LED408	87-017-731-080	LED,SEL1510CM2	
C627	87-012-140-089	C-CAP,S 470P-50 CH		LED409	87-017-731-080	LED,SEL1510CM2	
C630	87-010-405-089	CAP,E 10-50 SME		LED410	87-017-731-080	LED,SEL1510CM2	
C640	87-010-405-089	CAP,E 10-50 SME		LED411	87-017-731-080	LED,SEL1510CM2	
C645	87-010-263-089	CAP,E 100-10 SME 5X11		LED412	87-017-731-080	LED,SEL1510CM2	
C691	87-010-322-089	C-CAP,S 100P-50 CH		LED413	87-017-731-080	LED,SEL1510CM2	
C692	87-010-322-089	C-CAP,S 100P-50 CH		LED414	87-017-731-080	LED,SEL1510CM2	
C693	87-010-197-089	C-CAP,S 0.01-25 B		LED415	87-017-731-080	LED,SEL1510CM2	
C803	87-010-404-089	CAP,E 4.7-50 SME		LED416	87-017-731-080	LED,SEL1510CM2	
C804	87-010-404-089	CAP,E 4.7-50 SME		LED420	87-017-785-080	LED,SEL 4214S	
C805	87-010-404-089	CAP,E 4.7-50 SME		LED421	87-017-785-080	LED,SEL 4214S	
C806	87-010-404-089	CAP,E 4.7-50 SME		LED422	87-017-785-080	LED,SEL 4214S	
C807	87-010-174-089	C-CAP,S 470P-50 SL		LED423	87-017-785-080	LED,SEL 4214S	
C808	87-010-174-089	C-CAP,S 470P-50 SL		LED424	87-017-785-080	LED,SEL 4214S	
C809	87-010-186-089	C-CAP,S 4700P-50 B		S301	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C810	87-010-186-089	C-CAP,S 4700P-50 B		S301	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C811	87-010-173-089	C-CAP,S 390P-50 SL		S302	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C812	87-010-173-089	C-CAP,S 390P-50 SL		S302	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C813	87-010-197-089	C-CAP,S 0.01-25 B		S303	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C814	87-010-197-089	C-CAP,S 0.01-25 B		S303	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C815	87-010-177-089	C-CAP,S 820P-50 SL		S304	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C816	87-010-177-089	C-CAP,S 820P-50 SL		S304	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C817	87-010-198-089	C-CAP,S 0.022-25 B		S305	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C818	87-010-198-089	C-CAP,S 0.022-25 B		S305	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C819	87-010-181-089	C-CAP,S 1800P-50 B		S306	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C820	87-010-181-089	C-CAP,S 1800P-50 B		S306	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C821	87-010-195-089	C-CAP,S 0.068-25 F		S307	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C822	87-010-195-089	C-CAP,S 0.068-25 F		S307	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C823	87-010-186-089	C-CAP,S 4700P-50 B		S308	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C824	87-010-186-089	C-CAP,S 4700P-50 B		S308	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C825	87-010-068-089	CAP,E 0.22-50 5L		S309	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C826	87-010-545-089	CAP,E 0.22-50 SME		S309	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C827	87-010-213-089	C-CAP,S 0.015-25 B		S310	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C828	87-010-213-089	C-CAP,S 0.015-25 B		S310	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C829	87-010-070-089	CAP,E 0.47-50 5L		S311	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C830	87-010-400-089	CAP,E 0.47-50 SME		S311	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C831	87-012-365-089	C-CAP,S 0.027-25V BK		S312	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C832	87-012-365-089	C-CAP,S 0.027-25V BK		S312	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C833	87-010-071-089	CAP,E 1-50 5L		S313	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C834	87-010-401-089	CAP,E 1-50 SME		S313	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C835	87-010-196-089	C-CAP,S 0.1-25 F		S321	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C836	87-010-196-089	C-CAP,S 0.1-25 F		S321	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C837	87-010-382-049	CAP,E 22-25 SME		S322	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C838	87-010-404-089	CAP,E 4.7-50 SME		S322	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	
C839	87-010-404-089	CAP,E 4.7-50 SME		S323	87-036-170-089	SW,TACT<EE,K,EZ,Z>	
C840	87-015-682-089	CAP,E 22-16 7L		S323	87-036-215-089	SW,TACT EVQ21404M<HE,G,LH>	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S324	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C29	87-010-197-089		C-CAP,S 0.01-25 B
S324	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C30	87-010-196-089		C-CAP,S 0.1-25 F
S325	87-036-170-089		SW,TACT<EE,K,EZ,Z>				
S325	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C31	87-010-193-089		C-CAP,S 0.033-25 F
S326	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C33	87-010-196-089		C-CAP,S 0.1-25 F
				C34	87-010-197-089		C-CAP,S 0.01-25 B
S326	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C35	87-010-381-089		CAP,E 330-16 SME
S327	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C36	87-010-196-089		C-CAP,S 0.1-25 F
S327	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>				
S328	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C37	87-010-260-089		CAP,E 47-25 SME
S328	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C38	87-010-197-089		C-CAP,S 0.01-25 B
				C39	87-010-260-089		CAP,E 47-25 SME
S329	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C40	87-010-197-089		C-CAP,S 0.01-25 B
S329	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C41	87-010-146-089		C-CAP,S 2P-50 CH
S330	87-036-170-089		SW,TACT<EE,K,EZ,Z>				
S330	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C42	87-010-154-089		C-CAP,S 10P-50 CH
S331	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C45	87-018-214-089		CAP,TC-U 0.1-50F
				C101	87-010-194-089		C-CAP,S 0.047-25 F
S331	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C102	87-010-180-089		C-CAP,S 1500P-50 B
S332	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C103	87-010-263-089		CAP,E 100-10 SME 5X11
S332	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>				
S341	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C104	87-010-197-089		C-CAP,S 0.01-25 B
S341	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C105	87-015-818-089		C-CAP,4700P
				C106	87-012-156-089		C-CAP,S 220P-50 CH
S342	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C107	87-010-197-089		C-CAP,S 0.01-25 B
S342	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C108	87-010-400-089		CAP,E 0.47-50 SME
S343	87-036-170-089		SW,TACT<EE,K,EZ,Z>				
S343	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C112	87-010-154-089		C-CAP,S 10P-50 CH
S344	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C113	87-010-154-089		C-CAP,S 10P-50 CH
				C114	87-010-314-089		C-CAP,S 22P-50 CH
S344	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C115	87-010-404-089		CAP,E 4.7-50 SME
S345	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C116	87-010-263-089		CAP,E 100-10 SME 5X11
S345	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>				
S346	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C117	87-010-194-089		C-CAP,S 0.047-25 F
S346	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C118	87-010-154-089		C-CAP,S 10P-50 CH
				C120	87-010-263-089		CAP,E 100-10 SME 5X11
S347	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C121	87-010-197-089		C-CAP,S 0.01-25 B
S347	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C122	87-010-196-089		C-CAP,S 0.1-25 F
S348	87-036-170-089		SW,TACT<EE,K,EZ,Z>				
S348	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C201	87-012-153-089		C-CAP,S 120P-50 CH
S349	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C202	87-012-153-089		C-CAP,S 120P-50 CH
				C203	87-012-153-089		C-CAP,S 120P-50 CH
S349	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>	C204	87-012-153-089		C-CAP,S 120P-50 CH
S350	87-036-170-089		SW,TACT<EE,K,EZ,Z>	C205	87-012-153-089		C-CAP,S 120P-50 CH
S350	87-036-215-089		SW,TACT EVQ21404M<HE,G,LH>				
VR601	83-MA1-661-019		VR,SL 10KB	C206	87-012-153-089		C-CAP,S 120P-50 CH
VR602	87-024-649-019		VR,20KA RK11K1130	C207	87-012-153-089		C-CAP,S 120P-50 CH
				C208	87-012-153-089		C-CAP,S 120P-50 CH
VR801	82-MA2-634-019		VR,50KB C.C.C.T	C209	87-012-153-089		C-CAP,S 120P-50 CH
W201	84-MA1-692-019		CABLE,FFC 14P 1.25	C210	87-012-153-089		C-CAP,S 120P-50 CH
W801	84-MA1-686-019		F-CABLE, 6P-2.0				
X201	87-030-345-080		VIB,CER CST 5.76MGW	C211	87-010-401-089		CAP,E 1-50 SME
				C212	87-010-401-089		CAP,E 1-50 SME
CD.CB				C213	87-010-186-089		C-CAP,S 4700P-50 B
				C214	87-010-186-089		C-CAP,S 4700P-50 B
C1	87-010-188-089		C-CAP,S 6800P-50 B	C231	87-010-263-089		CAP,E 100-10 SME 5X11
C2	87-010-196-089		C-CAP,S 0.1-25 F				
C3	87-010-196-089		C-CAP,S 0.1-25 F	C232	87-010-263-089		CAP,E 100-10 SME 5X11
C4	87-010-196-089		C-CAP,S 0.1-25 F	C301	87-010-178-089		C-CAP,S 1000P-50 B
C5	87-010-404-089		CAP,E 4.7-50 SME	C304	87-010-197-089		C-CAP,S 0.01-25 B
				C305	87-010-260-089		CAP,E 47-25 SME
C6	87-010-594-089		C-CAP,S 0.033-16 RK	C306	87-012-141-089		C-CAP,S 0.22-16 F
C7	87-010-197-089		C-CAP,S 0.01-25 B				
C8	87-010-403-089		CAP,E 3.3-50 SME	C307	87-010-178-089		C-CAP,S 1000P-50 B
C9	87-010-382-089		CAP,E 22-25 SME	C308	87-010-178-089		C-CAP,S 1000P-50 B
C10	87-010-260-089		CAP,E 47-25 SME	C340	88-130-399-089		RES,3.9-1/4WJ
				L1	87-003-295-089		COIL,10UH
C11	87-010-197-089		C-CAP,S 0.01-25 B	SFR1	87-024-176-089		SFR,100K DIA6 V
C12	87-010-193-089		C-CAP,S 0.033-25 F				
C13	87-010-197-089		C-CAP,S 0.01-25 B	SFR2	87-024-173-089		SFR 22K DIA6 V
C14	87-010-193-089		C-CAP,S 0.033-25 F	SFR3	87-024-176-089		SFR,100K DIA6 V
C15	87-010-182-089		C-CAP,S 2200P-50 B	W301	83-NF5-631-019		F-CABLE,6-2.0 300
				W501	83-NF5-644-019		F-CABLE 2-2.0-230
C21	87-010-198-089		C-CAP,S 0.022-25 B	X101	87-030-374-019		VIB,XTAL 33.8688 MHZ
C22	87-010-196-089		C-CAP,S 0.1-25 F				
C23	87-010-263-089		CAP,E 100-10 SME 5X11	DSP C.B			
C24	87-010-178-089		C-CAP,S 1000P-50 B				
C25	87-010-197-089		C-CAP,S 0.01-25 B	C735	87-010-402-089		CAP,E 2.2-50 SME
				C736	87-010-402-089		CAP,E 2.2-50 SME
C26	87-010-260-089		CAP,E 47-25 SME	C738	87-010-370-089		CAP,E 330-6.3 SME
C27	87-010-196-089		C-CAP,S 0.1-25 F	C741	87-010-192-089		C-CAP,S 0.022-50 F
C28	87-010-263-089		CAP,E 100-10 SME 5X11	C745	87-016-073-089		CAP,E 1-50 FX

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C746	87-016-073-089		CAP, E 1-50 FX	SW5	87-036-110-019		SW, PUSH SPPB 62
C747	87-010-401-089		CAP, E 1-50 SME	SW6	87-036-110-019		SW, PUSH SPPB 62
C748	87-010-401-089		CAP, E 1-50 SME				
C750	87-010-381-089		CAP, E 330-16 SME				
C751	87-010-401-089		CAP, E 1-50 SME				
				KEY C.B			
C752	87-010-401-089		CAP, E 1-50 SME	C350	87-010-197-089		C-CAP, S 0.01-25 B
C757	87-010-401-089		CAP, E 1-50 SME	C351	87-010-197-089		C-CAP, S 0.01-25 B
C760	87-010-370-089		CAP, E 330-6.3 SME	LED417	87-002-787-080		LED, SEL 6215S RED<HE, G, LH>
C761	87-010-318-089		C-CAP, S 47P-50 CH	LED417	87-002-588-080		LED, SEL 6515c TP5<EE, K, EZ, Z>
C762	87-010-318-089		C-CAP, S 47P-50 CH	LED418	87-002-787-080		LED, SEL 6215S RED<HE, G, LH>
C766	87-010-401-089		CAP, E 1-50 SME	LED418	87-017-588-080		LED, SEL 6515C TP5<EE, K, EZ, Z>
C773	87-010-400-089		CAP, E 0.47-50 SME	LED419	87-017-787-080		LED, SEL 6215S RED<HE, G, LH>
C777	87-010-403-089		CAP, E 3.3-50 SME	LED419	87-017-588-080		LED, SEL 6515C TP5<EE, K, EZ, Z>
C778	87-010-403-089		CAP, E 3.3-50 SME	S351	87-036-170-089		SW, TACT<EE, K, EZ, Z>
C797	87-010-401-089		CAP, E 1-50 SME	S351	87-036-215-089		SW, TACT EVQ21404M<HE, G, LH>
C901	87-010-248-089		CAP, E 220-10 SME	S352	87-036-170-089		SW, TACT<EE, K, EZ, Z>
C902	87-010-384-089		CAP, E 100-25 SME	S352	87-036-215-089		SW, TACT EVQ21404M<HE, G, LH>
C903	87-010-186-089		C-CAP, S 4700P-50 B	S353	87-036-170-089		SW, TACT<EE, K, EZ, Z>
C904	87-010-322-089		C-CAP, S 100P-50 CH	S353	87-036-215-089		SW, TACT EVQ21404M<HE, G, LH>
C905	87-010-401-089		CAP, E 1-50 SME	S354	87-036-170-089		SW, TACT<EE, K, EZ, Z>
C906	87-010-187-089		C-CAP, S 5600P-50 B	S354	87-036-215-089		SW, TACT EVQ21404M<HE, G, LH>
C907	87-010-193-089		C-CAP, S 0.033-25 F	S355	87-036-170-089		SW, TACT<EE, K, EZ, Z>
C908	87-010-544-089		CAP, E 0.1-50	S355	87-036-215-089		SW, TACT EVQ21404M<HE, G, LH>
C909	87-010-188-089		C-CAP, S 6800P-50 B				
C910	87-012-365-089		C-CAP, S 0.027-25V BK				
				AC C.B			
C911	87-010-263-089		CAP, E 100-10 SME 5X11	R101	87-022-184-089		RES METAL 0.33-1W
C912	87-010-196-089		C-CAP, S 0.1-25 F				
C913	87-010-316-089		C-CAP, S 33P-50 CH				
C914	87-010-177-089		C-CAP, S 820P-50 SL				
C915	87-010-316-089		C-CAP, S 33P-50 CH				
				PT C.B< HE, LH >			
C916	87-010-177-089		C-CAP, S 820P-50 SL	△	87-033-147-019		CLAMP, FUSE<HE, LH>
C917	87-010-179-089		C-CAP, S 1200P-50 B	△ F101	87-035-415-019		FUSE, T2.5A 250V UL<HE, LH>
C918	87-010-196-089		C-CAP, S 0.1-25 F	△ PT101	84-MA1-641-019		PT, 4MA1 H<HE, LH>
C919	87-010-260-089		CAP, E 47-25 SME	△ PT101	83-NEG-616-019		PT, HI 3NEG EK<EXCEPT HE, LH>
C920	87-010-070-089		CAP, E 0.47-50 5L	△ S101	87-036-229-019		SW, SL DP3C RA<HE, LH>
C921	87-010-070-089		CAP, E 0.47-50 5L	RELAY-1 C.B			
C922	87-010-196-089		C-CAP, S 0.1-25 F				
C923	87-010-179-089		C-CAP, S 5600P-50 B				
C924	87-010-179-089		C-CAP, S 1200P-50 B	RELAY-2 C.B			
C925	87-010-198-089		C-CAP, S 0.022-25 B				
C926	87-010-196-089		C-CAP, S 0.1-25 F	MOTOR-1 C.B			
C927	87-010-181-089		C-CAP, S 1800P-50 B				
C928	87-010-181-089		C-CAP, S 1800P-50 B	M302	87-045-305-019		MOTOR, RF-500TB
C929	87-010-382-089		CAP, E 22-25 SME				
C941	87-010-197-089		C-CAP, S 0.01-25 B				
				MOTOR-2 C.B			
C942	87-010-197-089		C-CAP, S 0.01-25 B				
C950	87-010-196-089		C-CAP, S 0.1-25 F	M2	9X-262-513-210		SLED MOTOR ASSY
C991	87-010-322-089		C-CAP, S 100P-50 CH	SW1	91-572-085-110		LEAF SW
C992	87-010-322-089		C-CAP, S 100P-50 CH				
C993	87-010-322-089		C-CAP, S 100P-50 CH				
				SNSR C.B			
C994	87-010-322-089		C-CAP, S 100P-50 CH				
C995	87-010-197-089		C-CAP, S 0.01-25 B	SW401	87-026-573-019		P-SNSR, GP1S53V
C996	87-010-197-089		C-CAP, S 0.01-25 B				
L901	87-005-490-089		COIL, 270UH J FLR50				
MVR741	84-MA1-712-019		VR, 50KB X 2 (M)	U/D SW C.B			
				SW601	87-036-271-019		SW, LVR 1-2-2
DECK-1 C.B				OPEN SW C.B			
SOL1	82-ZM1-618-319		SOL ASSY, 27				
SW4	87-036-110-019		SW, PUSH SPPB 62	SW602	87-036-271-019		SW, LVR 1-2-2
SW5	87-036-110-019		SW, PUSH SPPB 62				
SW6	87-036-110-019		SW, PUSH SPPB 62				
				CLOSE SW C.B			
DECK-2 C.B				SW501	87-036-109-019		SW, PUSH SPPB 61
SFR1	87-024-581-019		SFR, 3.3K DIA 6H KOA				
SOL2	82-ZM1-618-319		SOL ASSY, 27				
SW2	87-036-110-019		SW, PUSH SPPB 62	TR C.B< EXCEPT HE, LH, G >			
SW3	87-036-110-019		SW, PUSH SPPB 62				
SW4	87-036-110-019		SW, PUSH SPPB 62				

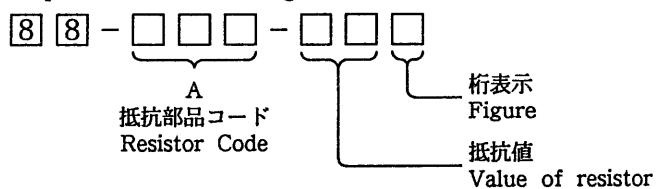
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
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LED C.B

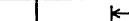
LED903	87-017-806-010	LED,SEL 1810DM
LED904	87-017-942-089	LED,L-1573PGC-TNB 2.5
LED905	87-017-942-089	LED,L-1573PGC-TNB 2.5
LED906	87-017-806-010	LED,SEL 1810DM

○ 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

Chip Resistor				Dimensions/寸法 (mm)				Resistor Code : A 抵抗コード : A	
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Form/外形	L	W	t		
1/32W	1608	± 5 %	CJ		1.6	0.8	0.35	108	
1/10W	2125	± 5 %	CJ		2	1.25	1.45	118	
1/8W	3126	± 5 %	CJ		3.2	1.6	0.5 ~0.7	128	

IC DESCRIPTION

IC, LC866432V-5586

Pin No.	Pin Name	I/O	Description
1	O-PLL.CE	O	PLL IC (LC7218) chip enable output for tuner
2	GEQ CLK	-	Clock signal to graphic equalizer control IC (LC7522)
3	O-STB(M)	O	Strobe signal for shift register (BU4094, MAIN C.B).
4	O-DATA(M)	O	Serial data for shift register, PLL IC (LC7218, MAIN C.B),GEQ CONTROL IC (LC7522, FRONT C.B) SHIFT REGISTER (BU4094, DSP C.B)
5	O-CLK(M)	O	Clock signal for shift register, PLL IC (LC7218, MAIN C.B),GEQ CONTROL IC (LC7522, FRONT C.B) SHIFT REGISTER (BU4094, DSP C.B)
6	I-HOLD	I	When the AC power is not supplied and the input is L, the controller is held. (Clock stop and memory maintain)
7	RESET	I	Reset input.
8	I-STEREO	I	Stereo ON signal input.
9	I-TUNE/IFC	I	Tuner Stereo Detect input/IF count serial data input.
10	VSS1	-	Gnd.
11	CF1	-	5.76MHz oscillation circuit.
12	CF2	-	
13	VDD1	-	Power supply (+5.5V).
14	I-KEY1	I	Key matrix input.
15	I-KEY2	I	Key matrix input.
16	I-KEY3	I	Key matrix input.
17	I-CD/SW	I	CD tray OPEN/CLOSE switch signal.
18	I-CD/DISH	I	CD Control (Photo sensor input)
19	I-MS	I	Music sensor input signal.
20	I-SPEANA	I	Spectrum Analyser IC music level input
21	I-MIC	I	Mic input signal.
22	I-TM/BASE	I	Clock pulse (8Hz) input from PLL IC (LC7218).
23	I-SENSE(CD)	I	CD control.
24	I-RMC	I	Remote control input.
25 ~ 35	G11 ~ G1	O	FL display grid output.
36 ~ 40	P23 ~ P19	O	FL display segment output.
41	VDD2	-	Power supply (+5.5V).
42	-VP	-	Negative pulldown voltage.
43	P18/I-SW.CST1	I/O	FL display segment output/Deck 1 Cassette switch input.
44	P17/I-CAM1	I/O	FL display segment output/Deck 1 play input.
45	P16/I-SW.AUTO1	I/O	FL display segment output/Deck 1 auto stop pulse input.
46	P15/I-SW.AUTO2	I/O	FL display segment output/Deck 2 auto stop pulse input.
47	P14/I-SW.CAM2	I/O	FL display segment output/Deck 2 play input.
48	P13/I-SW.REB	I/O	FL display segment output/Deck 2 side B rec switch input.
49	P12/I-SW.CST2	I/O	FL display segment output/Deck 2 cassette switch input.
50	P11/I-SW.REA	I/O	FL display segment output/Deck 2 side A rec switch input.
51	P10	I/O	FL display segment output.
52	P1	I/O	FL display segment output.
53	P2	I/O	FL display segment output.

Pin No.	Pin Name	I/O	Description
54	P3	I/O	FL display segment output.
55	P4	I/O	FL display segment output.
56	P5/I-DSP	I/O	FL display segment output/DSP disable input.
57	P6/I-BBE	I/O	FL display segment output/BBE disable input.
58	P7/I-SW	O	FL display segment output/short wave select input.
59	P8/I-AM 10K	O	FL display segment output/AM 10kHz step select input
60	P9/I-LW	I/O	FL display segment output/Long wave select input.
61	O-CLOSE(CD)	O	CD tray CLOSE signal.
62	O-OPEN(CD)	O	CD tray OPEN signal.
63	O-DI/R(CD)	O	CD dish rotates anti-clockwise signal.
64	O-DI/F(CD)	O	CD dish rotates clockwise signal.
65	O-POWER	O	Power ON/OFF control.
66	O-SOL1	O	Deck 1 Plunger ON/OFF output.
67	O-SOL2	O	Deck 2 Plunger ON/OFF output.
68	O-MOTOR	O	Deck motor ON/OFF output.
69	O-KEY.SCAN	O	Switch scan timing output.
70	O-STB(F)	O	Strobe signal for shift register (BU4094, FRONT C.B)
71	O-CLK(F)	O	Clock signal for shift register (BU4094, FRONT C.B)
72	O-DATA(F)	O	Serial data for shift register (BU4094, FRONT C.B)
73	VSS2	O	Gnd.
74	DSP/STB	O	Strobe signal for shift register and digital delay IC (DSP C.B)
75	O-DATA(CD)	O	CD control data output.
76	O-XLT(CD)	O	CD control data latch output.
77	O-CLK(CD)	O	Clock signal for CD control data.
78	I-SUBQ(CD)	I	Sub-Q data input from CD IC (CXD2518Q).
79	O-SQCLK(CD)	O	Clock signal for Sub-Q data input.
80	O-DSP CE	O	DSP (M65830P) chip enable logic.

IC, CXD2518Q

Pin No.	Pin Name	I/O	Description
1	SCOR	O	Outputs high signal when either subcode sync S0 or S1 is detected. (Not used)
2	SBSO	O	Sub P to W serial output. (Not used)
3	EXCK	I	SBSO readout clock input. (Not used)
4	SQSO	O	SubQ 80-bit serial output.
5	SQCK	I	SQSO readout clock input.
6	MUTE	I	High : mute; low: release. (Connected to Gnd)
7	SENS	O	SENS output to CPU (LC866432V).
8	XRST	I	System reset. Reset when low.
9	DATA	I	Serial data input from CPU (LC866432V).
10	XLAT	I	Latch input from CPU (LC866432V). Serial data is latched at the falling edge.
11	CLOK	I	Serial data transfer clock input from CPU (LC866432V).
12	VSS	-	GND.
13	SEIN	I	Sense input from SSP (CXA1782BQ).
14	CNIN	I	Track jump count signal input.
15	DATO	O	Serial data output to SSP (CXA1782BQ).
16	XLTO	O	Serial data latch output to SSP (CXA1782BQ). Latched at the falling edge.
17	CLKO	O	Serial data transfer clock output to SSP (CXA1782BQ).
18	TEST2	I	Test pin; normally connected to VDD.
19	SPOB	I	Microcomputer extended interface (input B). (Connected to SW1)
20	SPOC	I	Microcomputer extended interface (input C). (Connected to VDD)
21	SPOD	I	Microcomputer extended interface (input D). (Connected to VDD)
22	XLON	O	Microcomputer extended interface (output). (Not used)
23	FOK	I	Focus OK input. Used for SENS output and the servo auto sequencer.
24	MON	O	Spindle motor on/off control output.
25	MDP	O	Spindle motor servo control output.
26	MDS	O	Spindle motor servo control. (Not used)
27	LOCK	O	GFS is sampled at 460 Hz; when GFS is high, this pin outputs a high signal. If GFS is low eight consecutive samples, this pin outputs low.
28	TEST	I	TEST pin. Normally GND.
29	FILO	O	Master PLL (slave = digital PLL) filter output.
30	FILI	I	Master PLL filter input.
31	PCO	O	Master PLL charge pump output.
32	VDD	-	Digital power supply for DSP (+5V).
33	AVSS1	-	Analog GND for DSP.
34	CLTV	I	Master PLL VCO control voltage input.
35	AVDD1	-	Analog power supply for DSP (+5V).
36	RF	I	EFM signal input.
37	BIAS	I	Constant current input of asymmetry compensation circuit.
38	ASYI	I	Asymmetry compensation circuit comparator voltage input.
39	ASYO	O	EFM full-swing output (low = VSS, high = VDD).
40	ASYE	I	Compensation off; high: asymmetry compensation on. (Connected to VDD)

Pin No.	Pin Name	I/O	Description
41	WDCK	O	D/A interface for 48-bit slot. Word clock (2FS). (Not used)
42	LRCK	O	D/A interface for 48-bit slot. LR clock (FS).
43	LRCKI	I	LR clock input for DAC. (48-bit slot)
44	PCMD	O	D/A interface. Serial data (two's complement, MSB first).
45	PCMDI	I	Audio data input for DAC. (48-bit slot)
46	BCK	O	D/A interface. Bit clock.
47	BCKI	I	Bit clock input for DAC. (48-bit slot)
48	GTOP	O	GTOP output. (Not used)
49	XUGF	O	XUGF output. (Not used)
50	XPCK	O	XPLCK output. (Not used)
51	GFS	O	GFS output. (Not used)
52	RFCK	O	RFCK output. (Not used)
53	VSS	-	GND.
54	C2PO	O	C2PO output. (Not used)
55	XROF	O	XRAOF output. (Not used)
56	MNT3	O	MNT3 output. (Not used)
57	MNT1	O	MNT1 output. (Not used)
58	MNT0	O	MNT0 output. (Not used)
59	FSTT	O	2/3 frequency divider output for Pins 73 and 74. (Not used)
60	C4M	O	4.2336 MHz output. (Not used)
61	DOUT	O	Digital Out output.
62	EMPH	O	Outputs high signal when the playback disc has emphasis, low signal when no emphasis.
63	EMPHI	I	DAC de-emphasis on/off. High: on; low: off.
64	WFCK	O	WFCK (write frame clock) output. (Not used)
65	ZEROL	O	No-sound data detection output; high when "no audio" data is detected. (Left channel) (Not used)
66	ZEROR	O	No-sound data detection output; high when "no audio" data is detected. (Right channel) (Not used)
67	DTSI	I	Test pin 1 for DAC; normally low. (Connected to Gnd)
68	VDD	-	Digital power supply for DAC (+5V).
69	LPWM	O	Left channel PWM output. (Forward phase)
70	NLPWM	O	Left channel PWM output. (Reverse phase)
71	AVDD2	-	Power supply for left channel PWM driver (+5V).
72	AVDD3	-	Power supply for crystal (+5V).
73	XTAI	I	33.8688 MHz crystal oscillation circuit input.
74	XTAO	O	33.8688 MHz crystal oscillation circuit output.
75	AVSS3	-	GND for crystal.
76	AVSS2	-	GND for PWM driver.
77	NRPWM	O	Right channel PWM output. (Reverse phase)
78	RPWM	O	Right channel PWM output. (Forward phase)
79	DTS2	I	DAC test pin 2; normally low. (Connected to Gnd)
80	DTS3	I	DAC test pin 3; normally low. (Connected to Gnd)

IC, XR1090 ACP

Pin No.	Pin Name	I/O	Description
1	A	I	Multiplexer Control A (see table -1).
2	B	I	Multiplexer Control B (see table -1).
3	C	I	Multiplexer Control C (see table -1).
4	SEL	I	Low to disable A,B,C. High to enable the output.
5	CLKR	-	Clock resistor: The timing resistor would be tied from this pin to pin CLKC.
6	CLKC	-	Clock capacitor: The timing capacitor should be tied to this pin to ground.
7	NC	-	No connection.
8	VSS	-	Nominally 5V.
9	GND	-	Ground for both digital and analog.
10	A-OUT	O	Peak hold output of all the filters. This output can drive a 10K Ω load.
11	NC	-	No connection.
12	RIN	I	Right Channel Input: The input impedance of this pin is greater than 1M Ω .
13	LIN	I	Left Channel Input: The input impedance of this pin is greater than 1M Ω .
14	VDD	-	Nominally 5V.

Table -1. Filter Select Table

SEL	A	B	C	AOUT
0	X	X	X	GND
1	0	0	1	65Hz
1	0	1	0	150Hz
1	0	1	1	350Hz
1	1	0	0	1KHz
1	1	0	1	3KHz
1	1	1	0	6.3KHz
1	1	1	1	12KHz
1	0	0	0	GND

IC, LC7218

Pin No.	Pin Name	I/O	Description
1	X-IN	-	A crystal oscillator (7.2MHz) is connected between these pins.
24	X-OUT	-	
2	CE	I	To enable the IC. Active "H".
3	DI	I	Digital data input from CPU (LC866432V-5586) when relevant key is operated. Active "H".
4	CLK	I	To clock in the data DI.
5	DO	O	Digital data output to CPU (LC866432V-5586).
6	-	-	Not used.
7	$\overline{\text{TUNE}}$	I	Receives "L" when station is tuned.
8	$\overline{\text{ST}}$	I	Receives "L" when stereo is obtained.
9	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.
10	MUTE	O	To control internal counter.
11	MODE	O	Outputs "H" when stereo is switched.
12	$\overline{\text{SW2/FM}}$	-	Not used.
13	FM/ $\overline{\text{AM}}$	O	To output "L" if AM & "H" is FM.
14	$\overline{\text{MW}}$	O	Outputs "L" when MW is selected. (HE, G, LH type only).
15, 16	IFIN	I	General purpose counter input.
17	$\overline{\text{FM2}}$	O	Outputs "L" when a FM broadcast is received.
18	AM-I	I	Receives the AM local oscillator frequency signal.
19	FM-I	I	Receives the FM local oscillator frequency signal.
20	VDD	-	Supply power to IC (+5V).
21	E.O	O	PLL charge pump output.
22	-	-	Not used.
23	VSS	-	Ground.

TUNER BLOCK

AM LOOP
J801 ANTENNA
75 Ω
TUNER BLOCK

IC770 LA1836
AM FRONTEND
FM/AM:IF/BET

IC720 LC7218
PLL

Q771, 772
TU+B
SWITCH

Q801, Q802
RF AMP

Q803, Q804
FM OSC
BUFF.

Q805
FM IF
AMP

Q806
FM
BAND SW

Q807, Q808
FM IF
MIX

Q809, Q810
FM IF
DET

Q811, Q812
FM IF
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Q813, Q814
FM IF
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Q815, Q816
FM IF
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Q817, Q818
FM IF
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Q819, Q820
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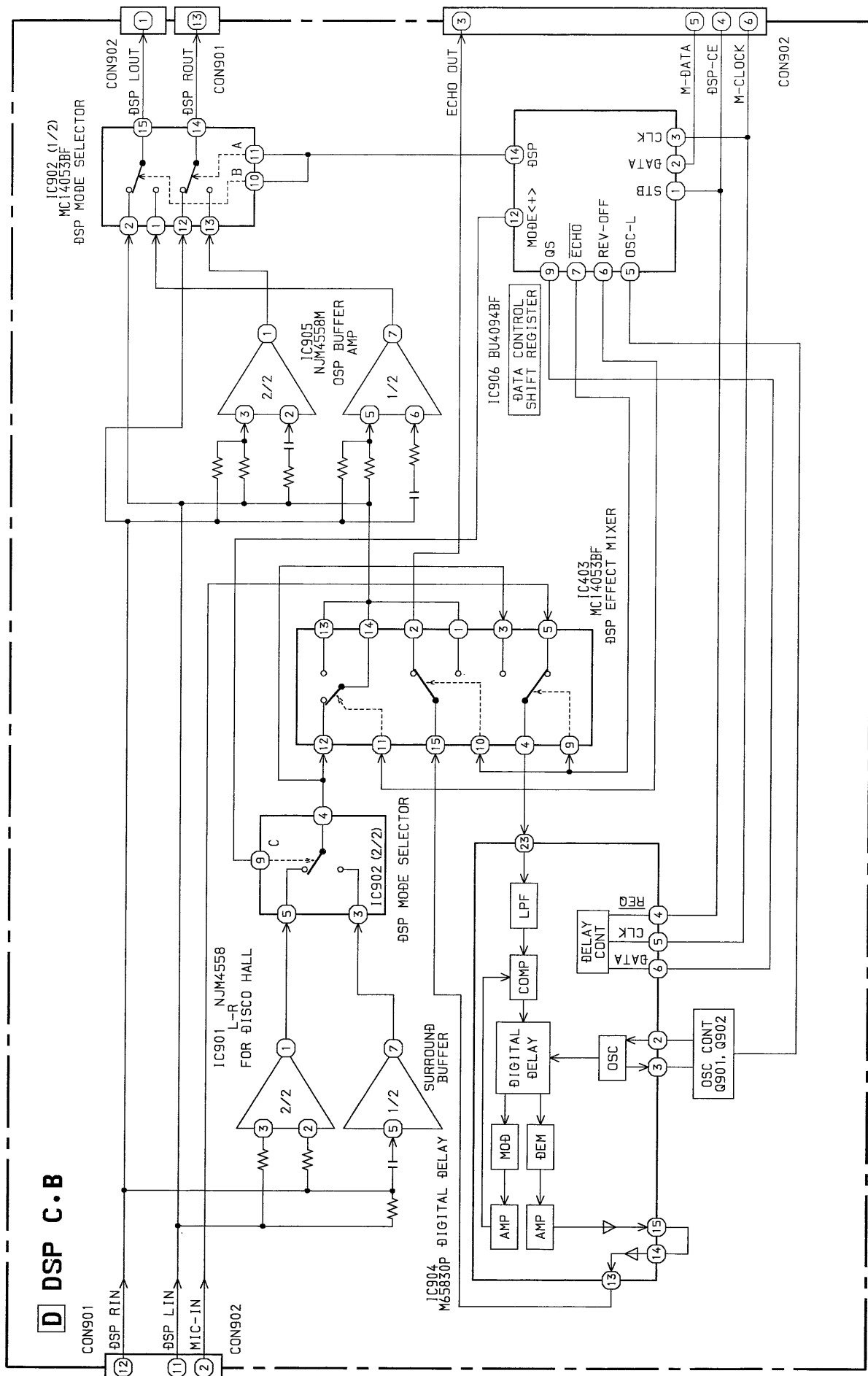
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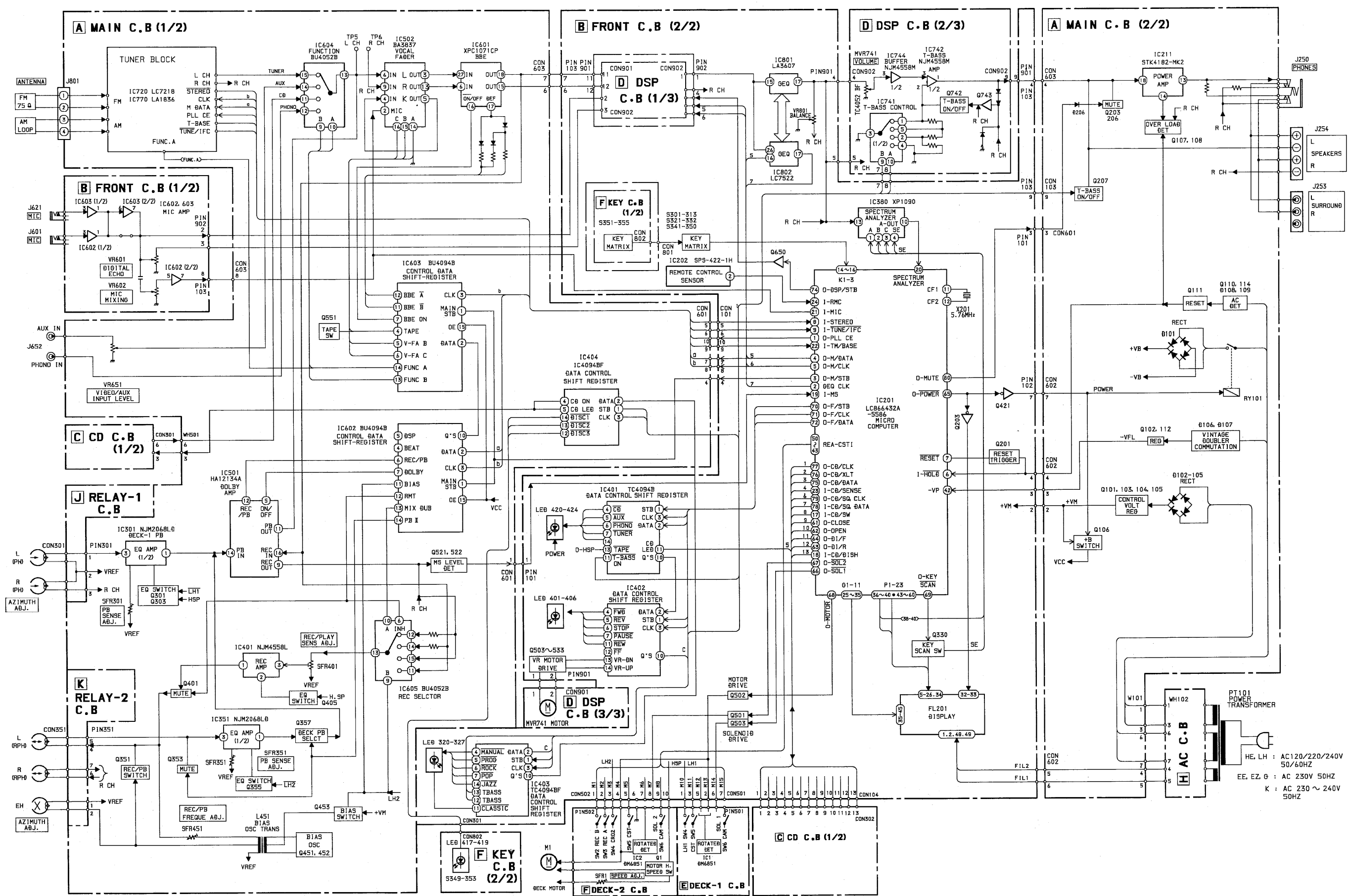
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DET

Q1107

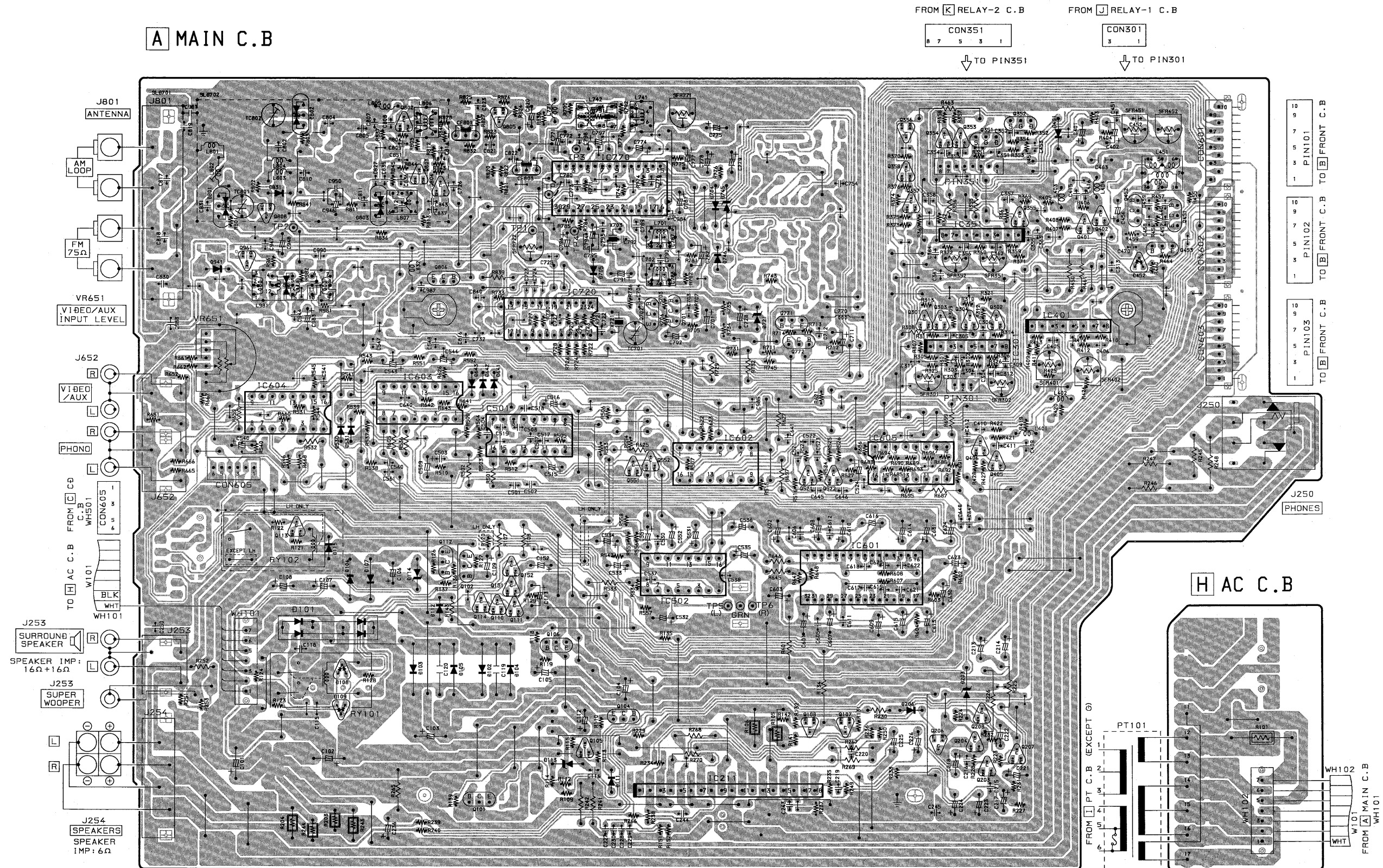
BLOCK DIAGRAM – 3 (DSP)



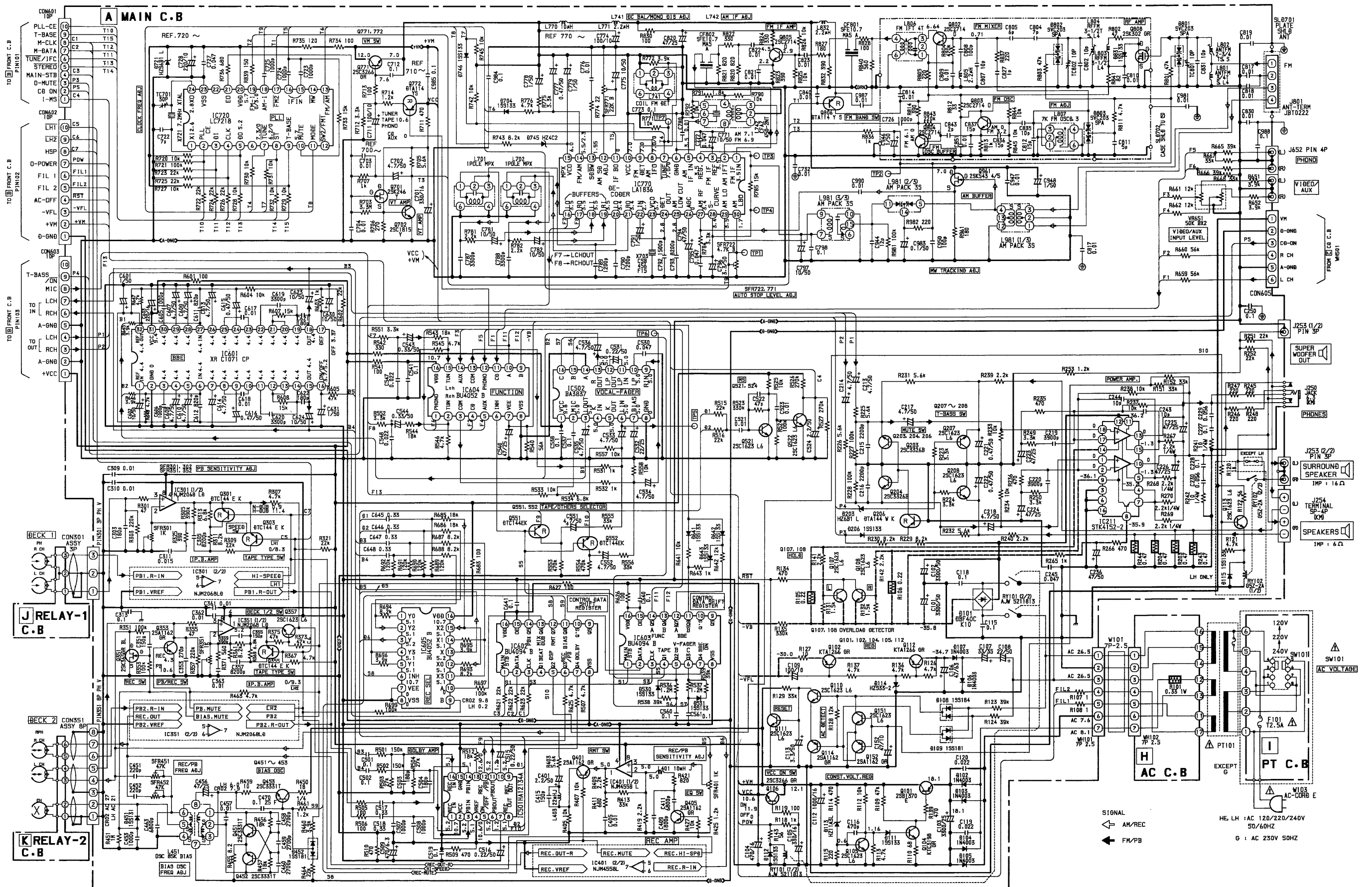
BLOCK DIAGRAM - 4 (MAIN / FRONT)

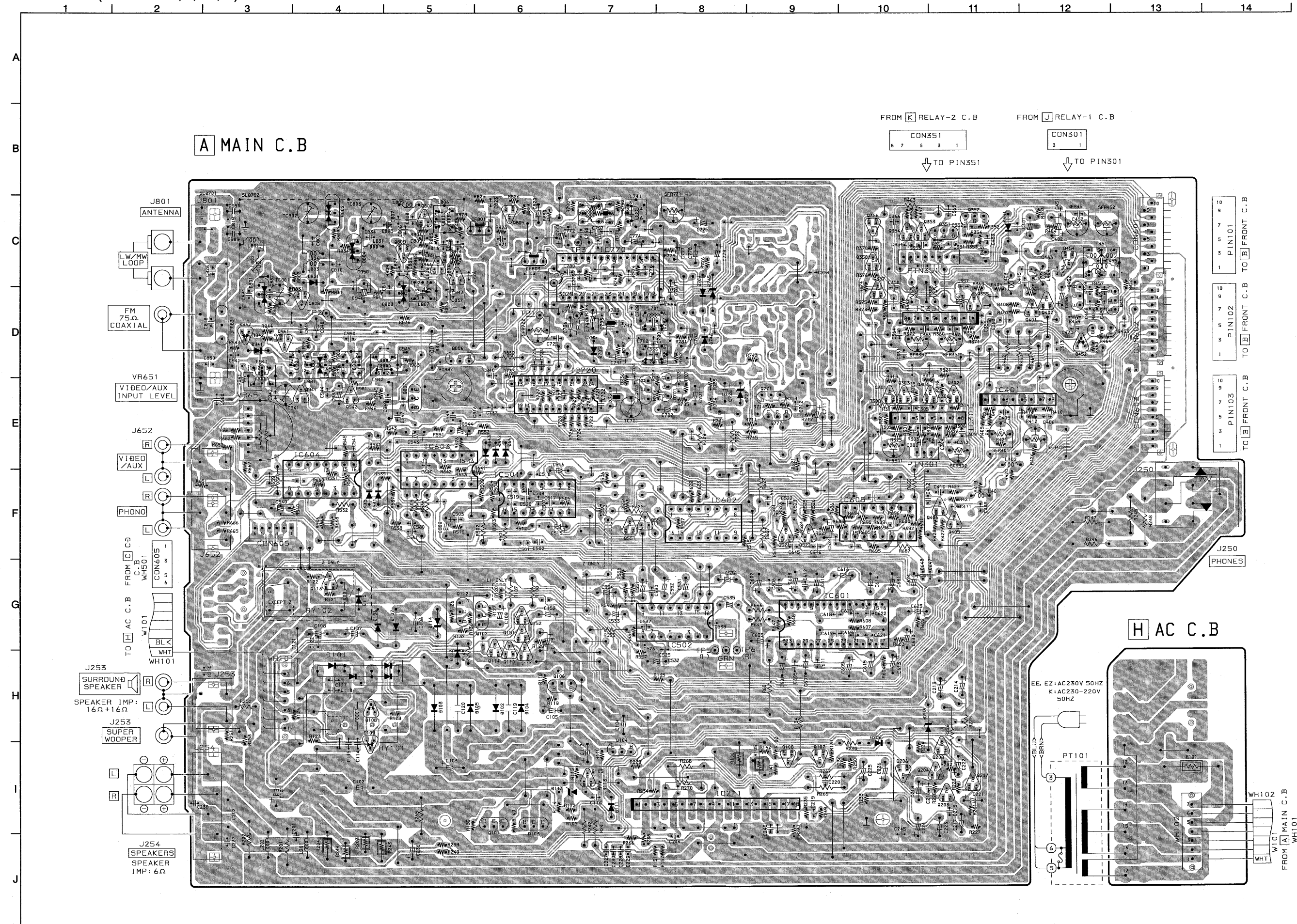




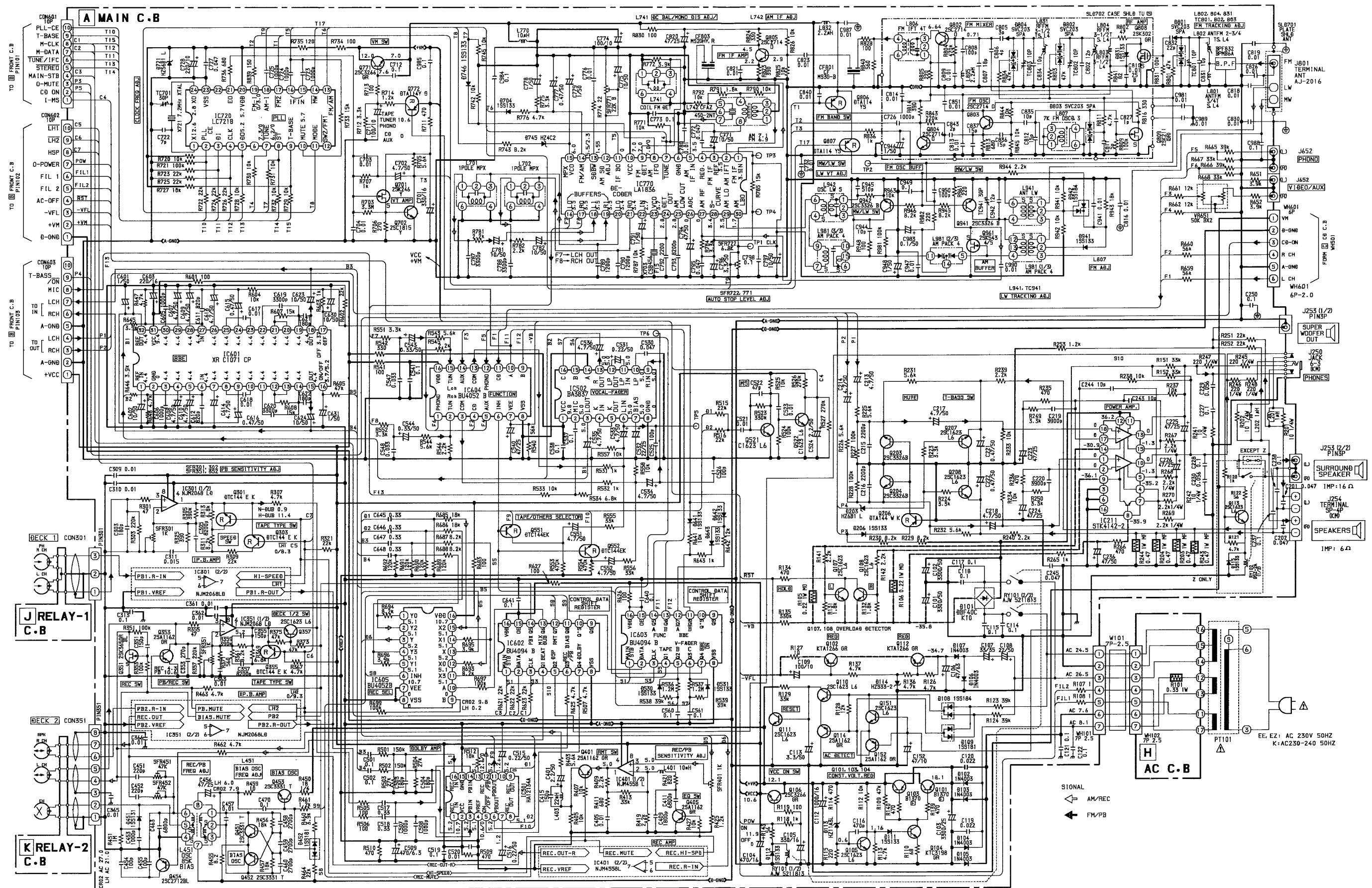


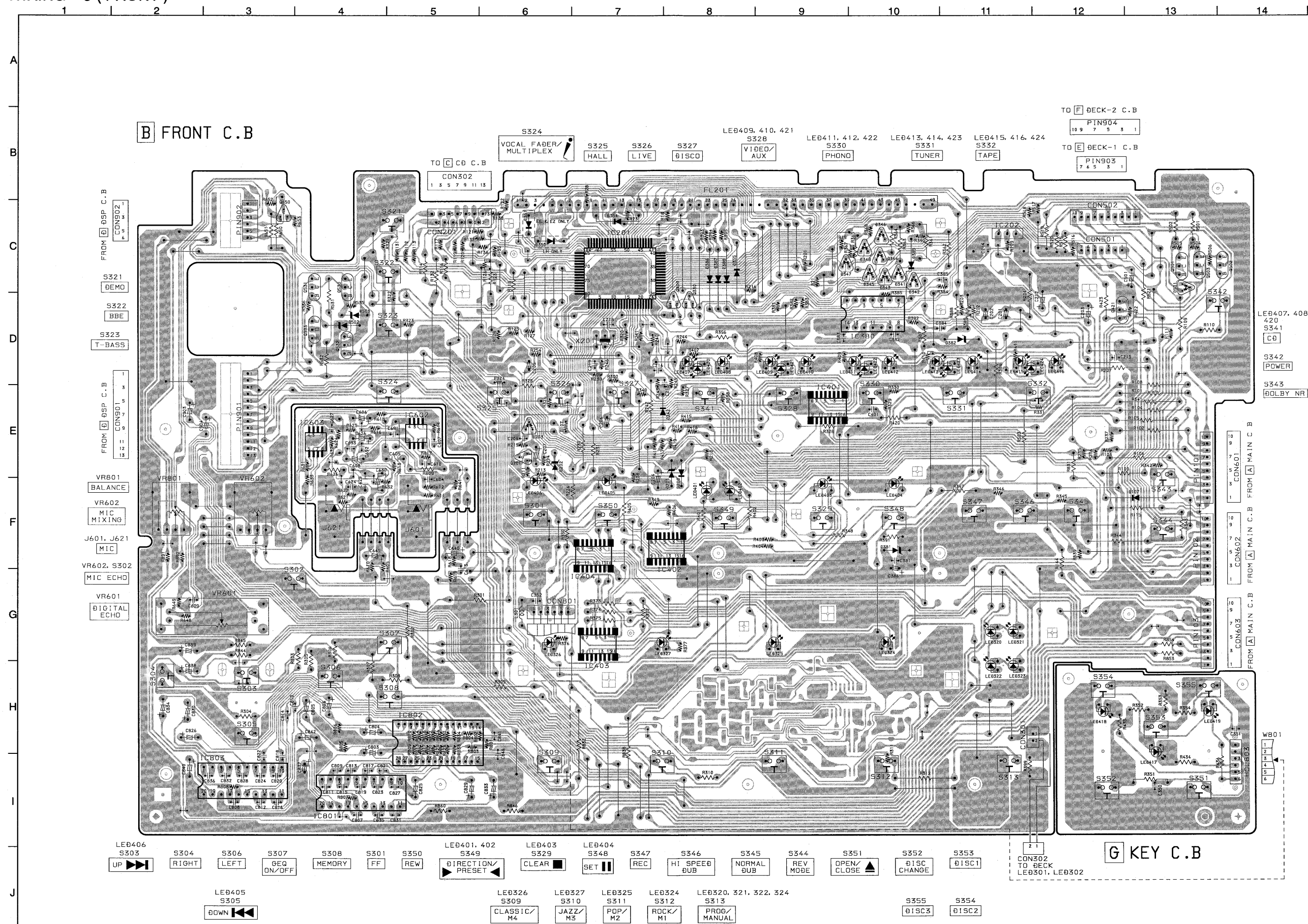
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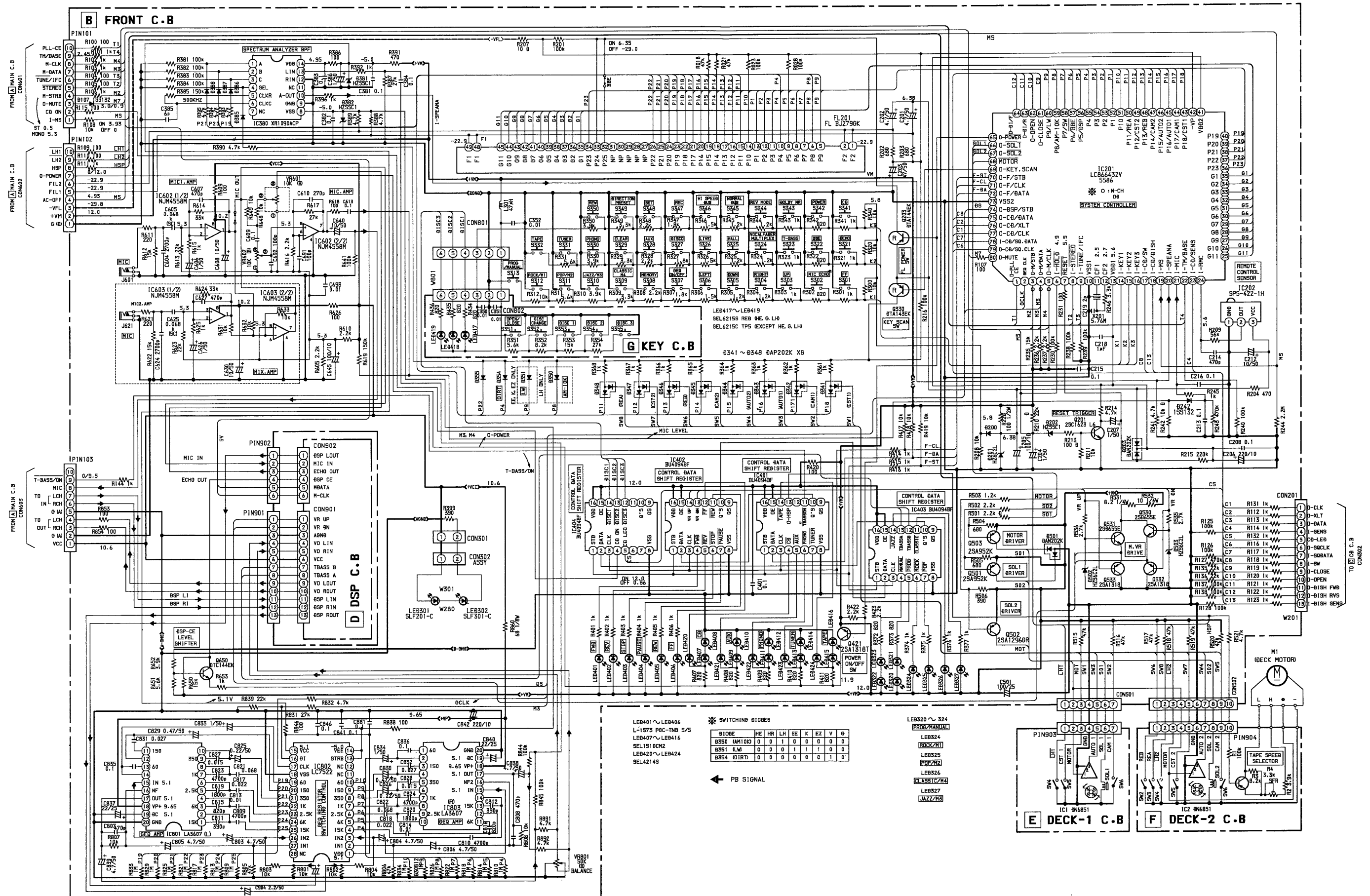


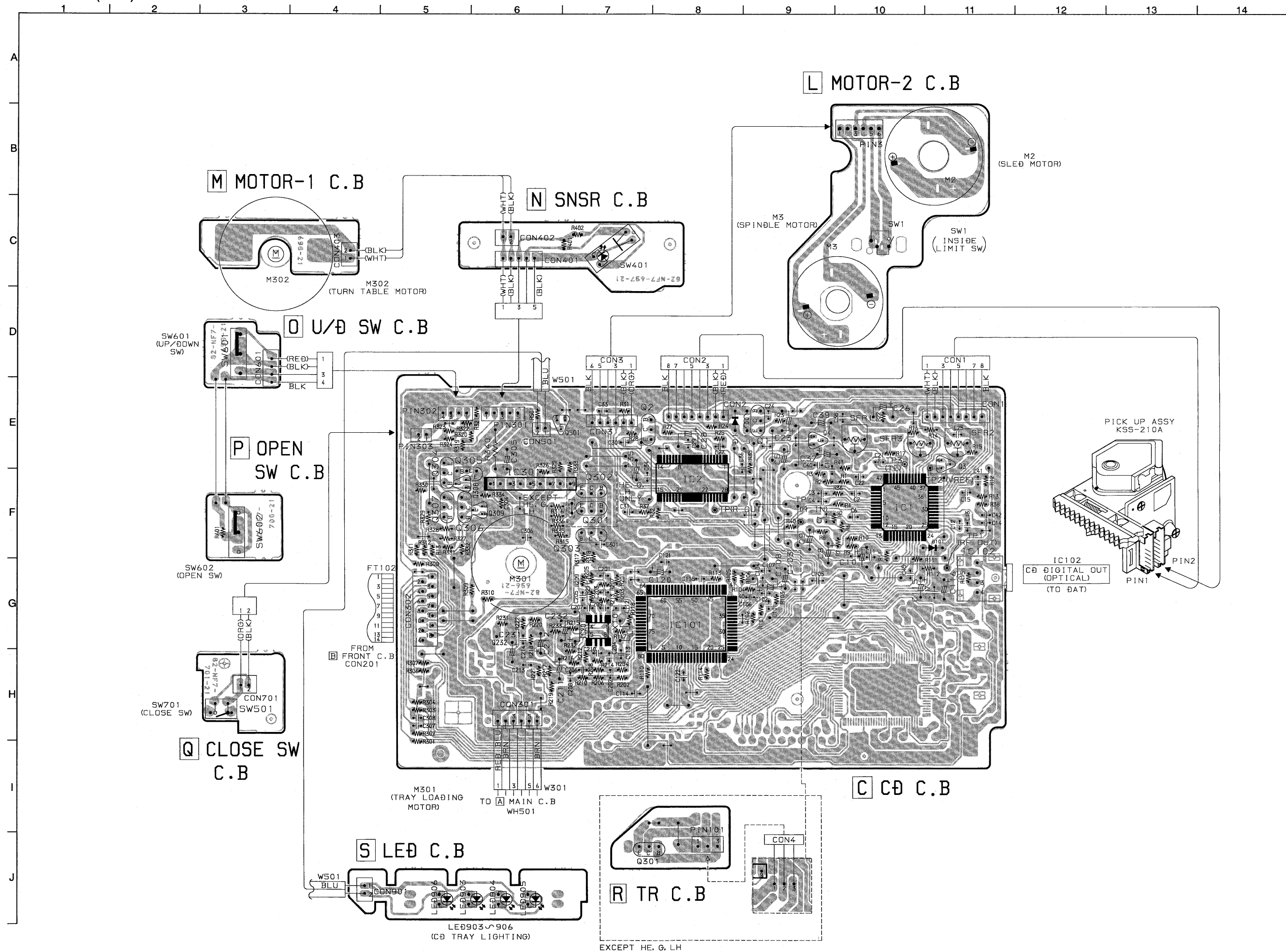
SCHEMATIC DIAGRAM – 2 (MAIN : EE,K,EZ,Z)

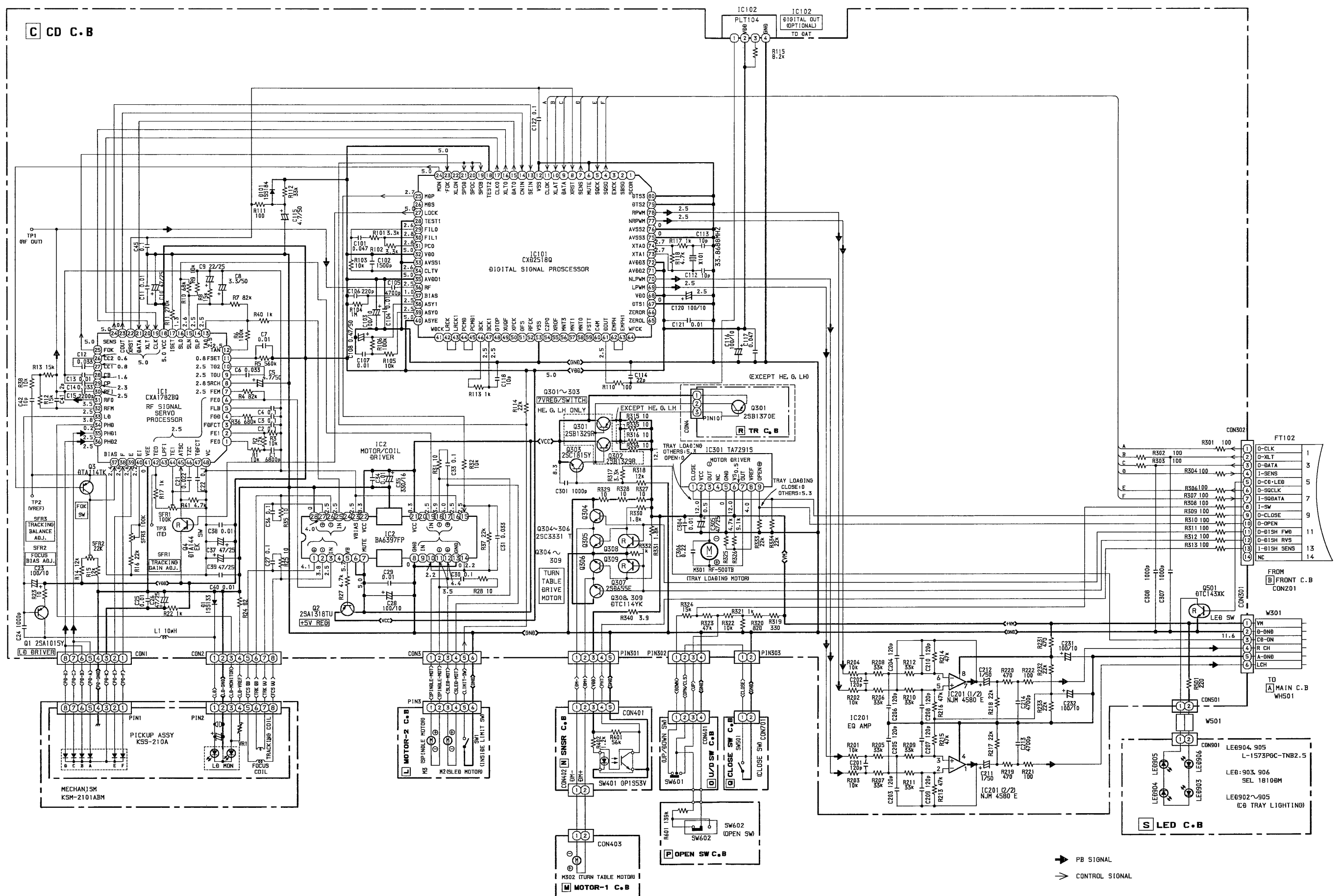


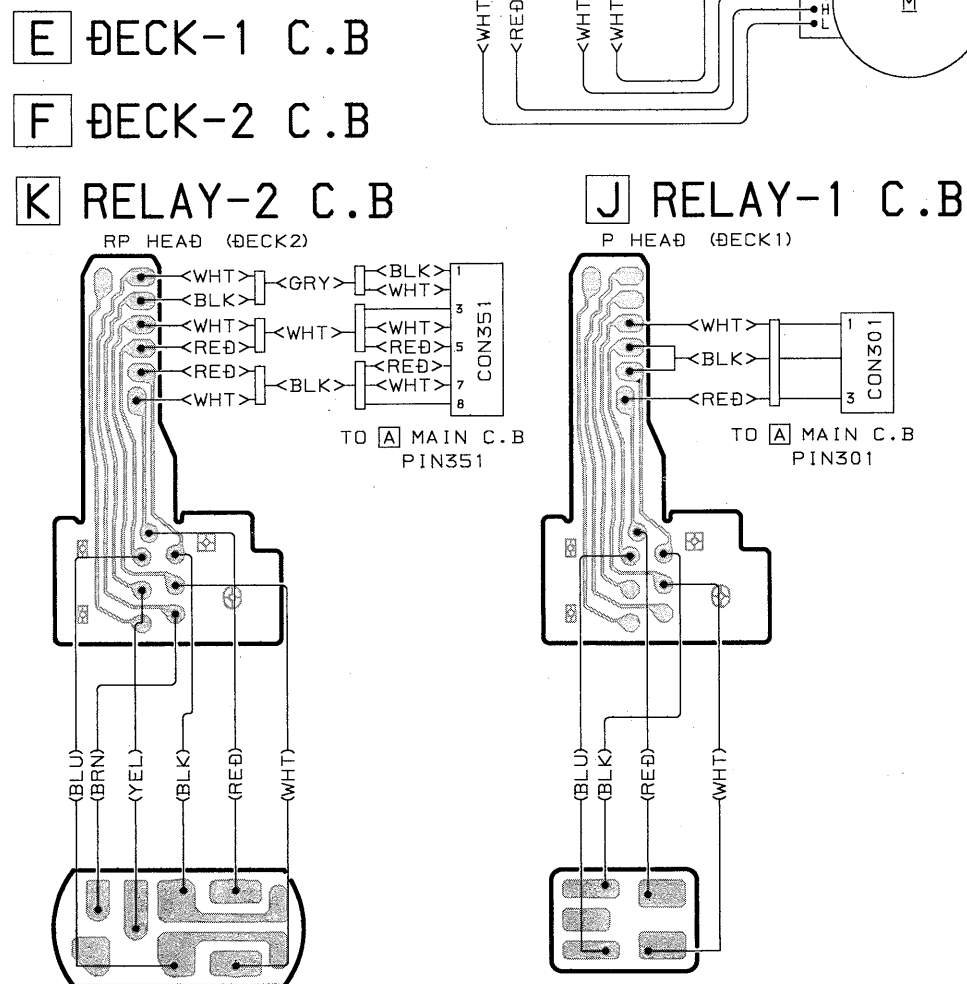


SCHEMATIC DIAGRAM – 3 (FRONT)

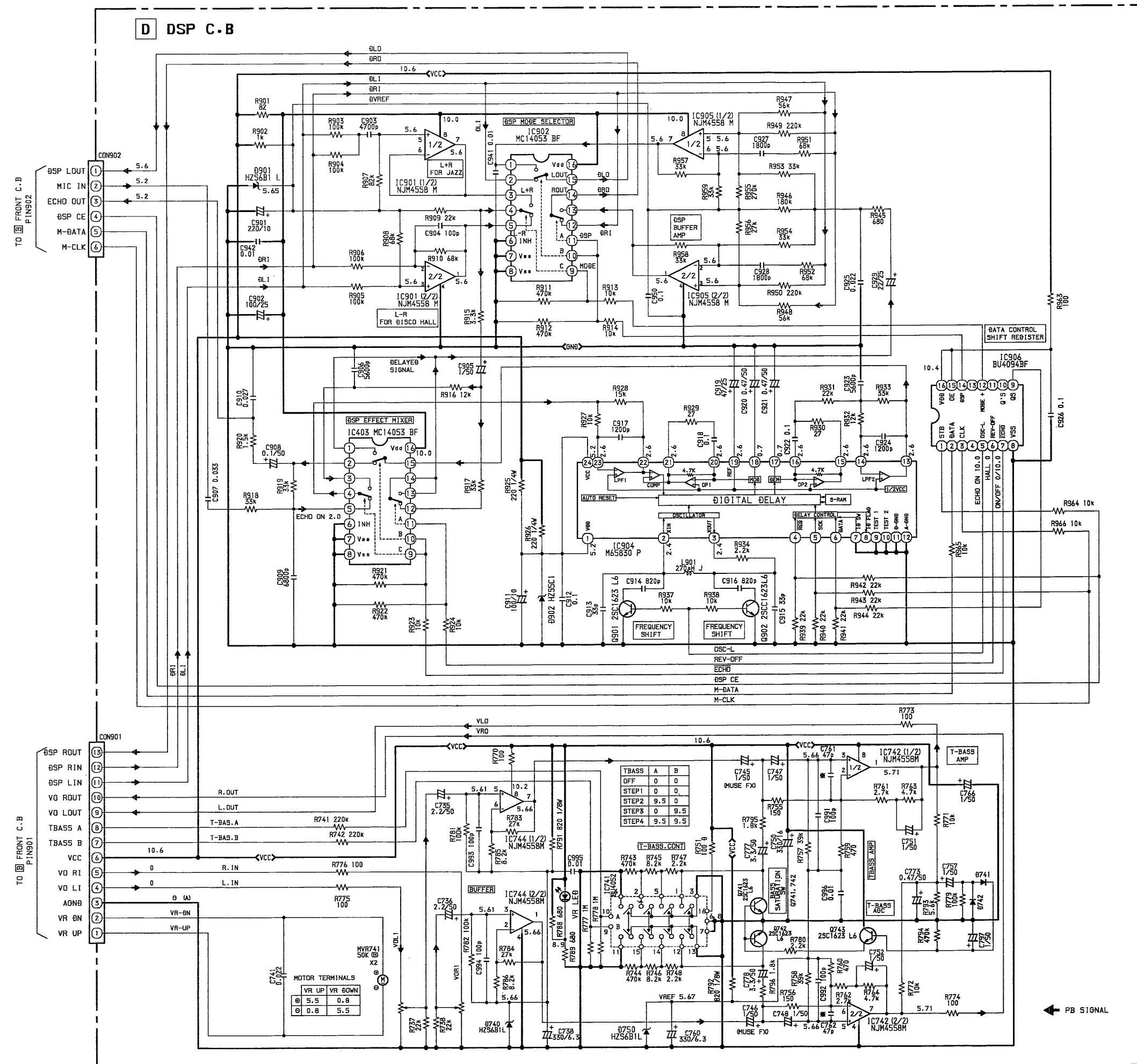






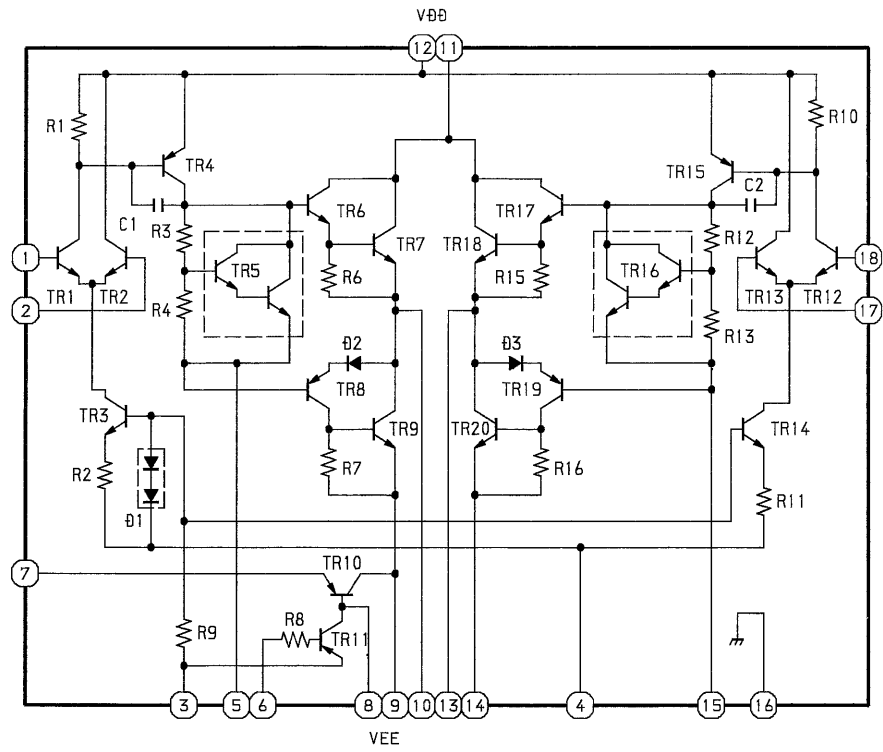


SCHEMATIC DIAGRAM – 5 (DSP)

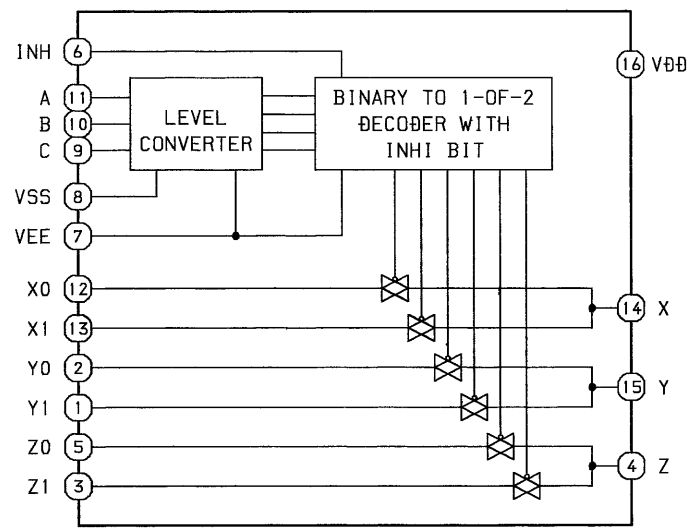


IC BLOCK DIAGRAM

IC,STK4152-2 < HE,G,LH >



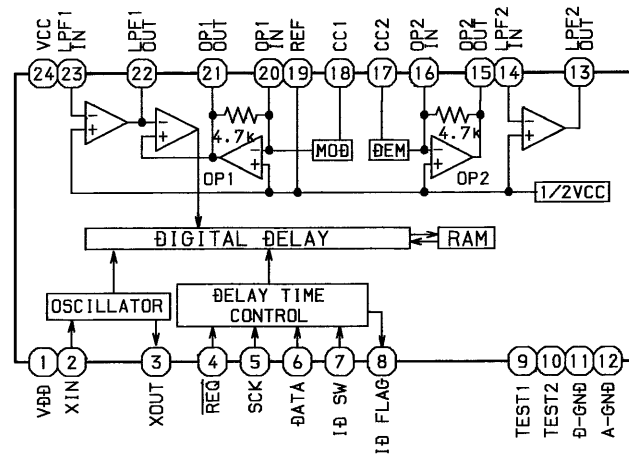
IC,MC14053BF



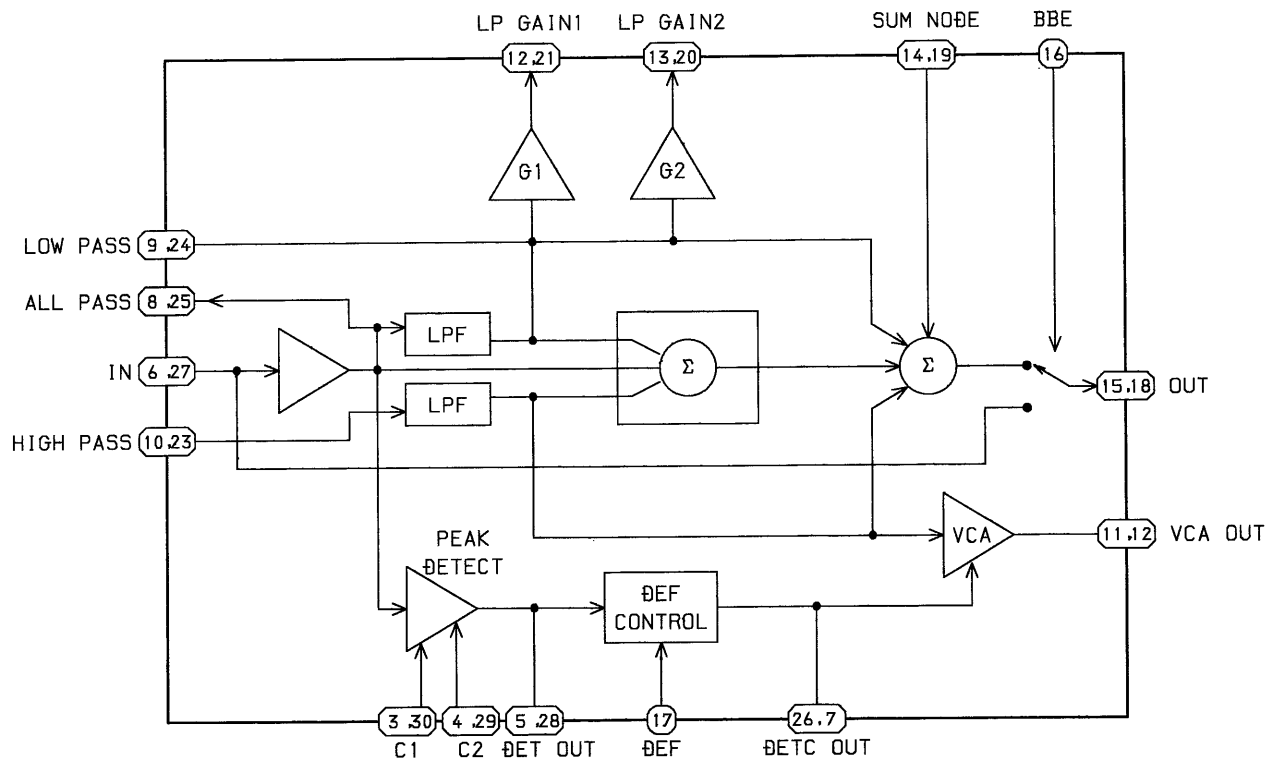
LOGIC TABLE

CONTROL INPUT		ON SWITCHS		
INH1 BIT	SELECT			MC14053BF
	C	B	A	
0	0	0	0	Z0 Y0 X0
0	0	0	1	Z0 Y0 X1
0	0	1	0	Z0 Y1 X0
0	0	1	1	Z0 Y1 X1
0	1	0	0	Z1 Y0 X0
0	1	0	1	Z1 Y0 X1
0	1	1	0	Z1 Y1 X0
0	1	1	1	Z1 Y1 X1
1	X	X	X	NONE

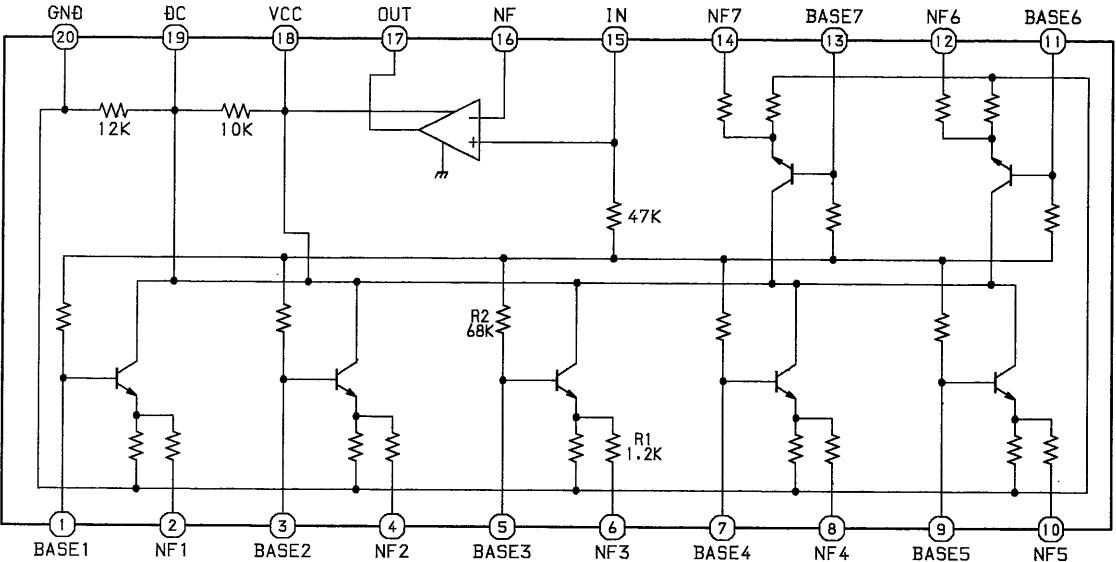
IC,M65830P



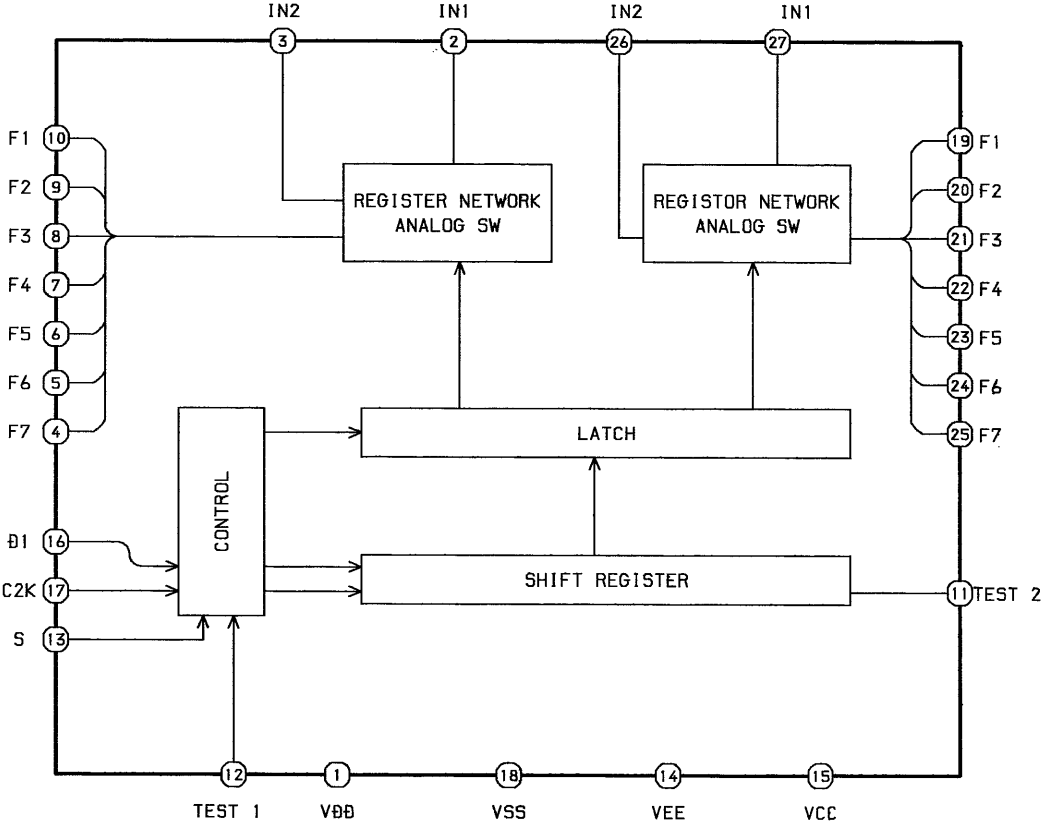
IC,XR1071CP

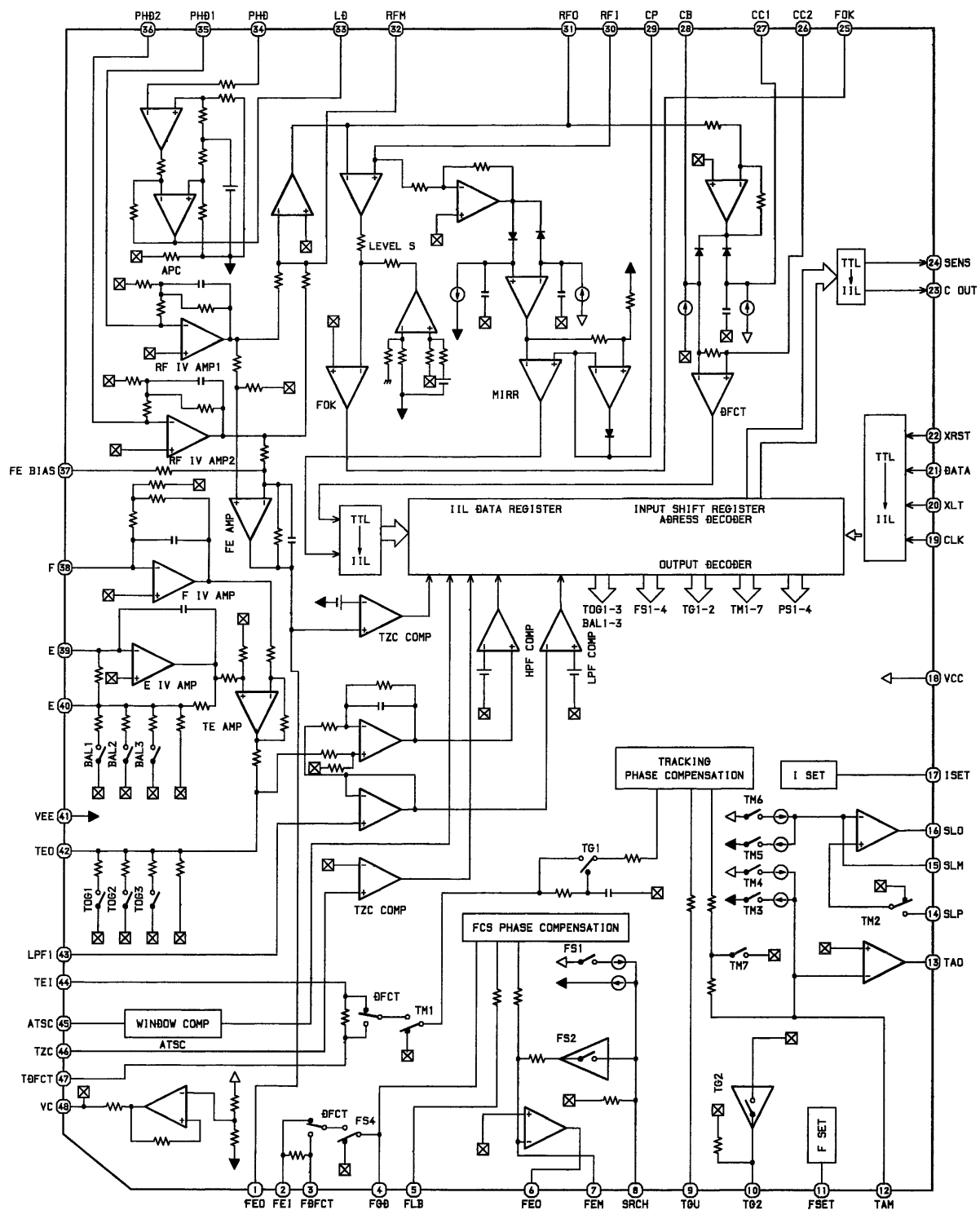


IC,LA3607

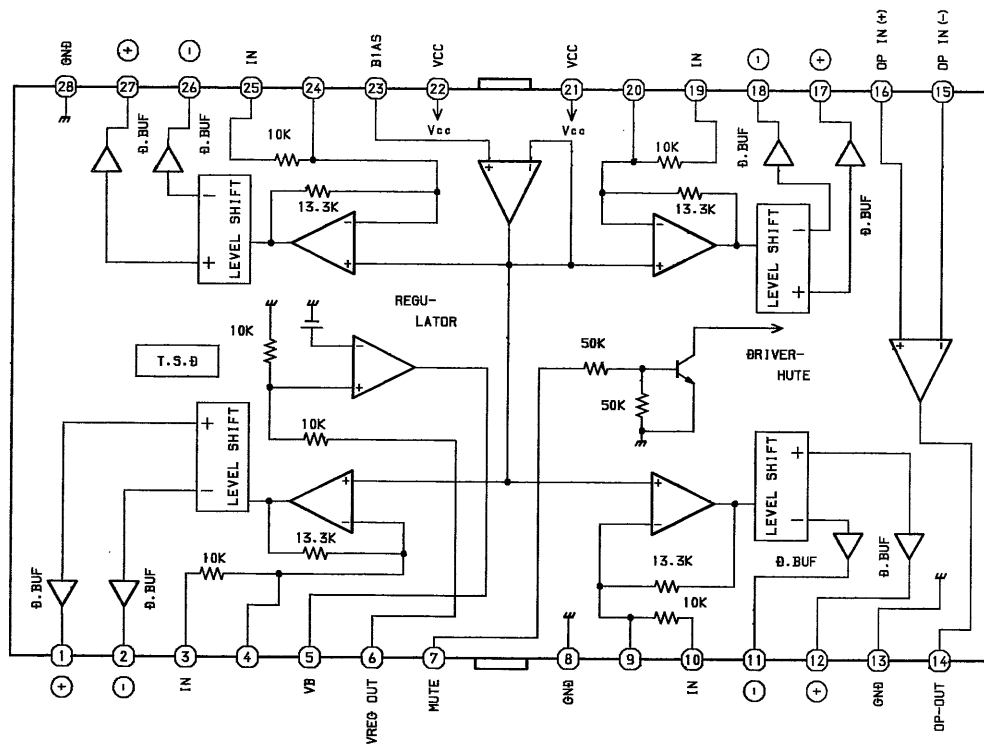


IC,LC7522

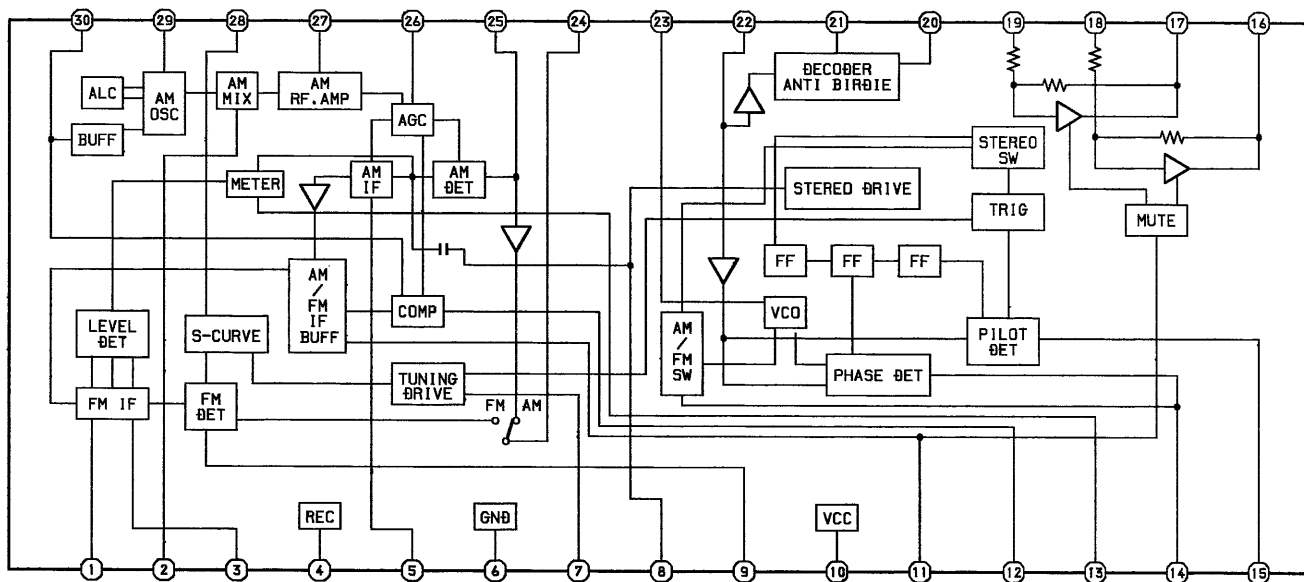




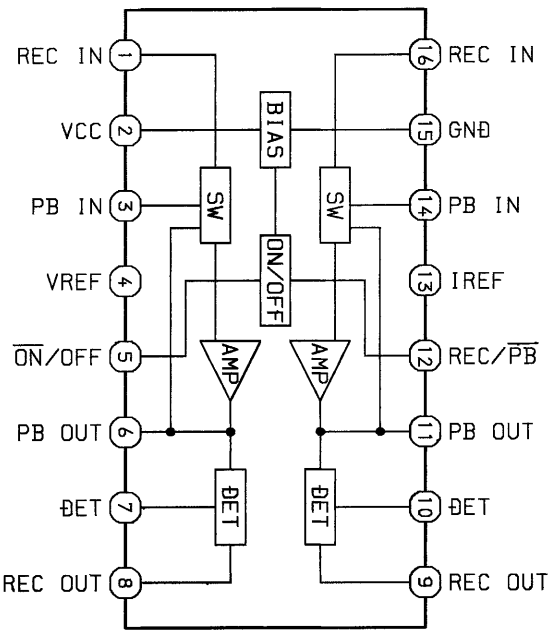
IC,BA6397FP



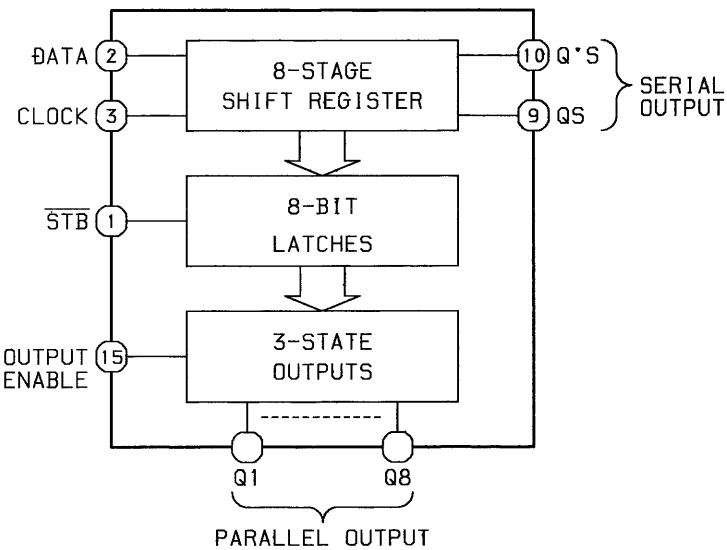
IC,LA1836



IC,HA12134A



IC,BU4094B
IC,BU4094BF

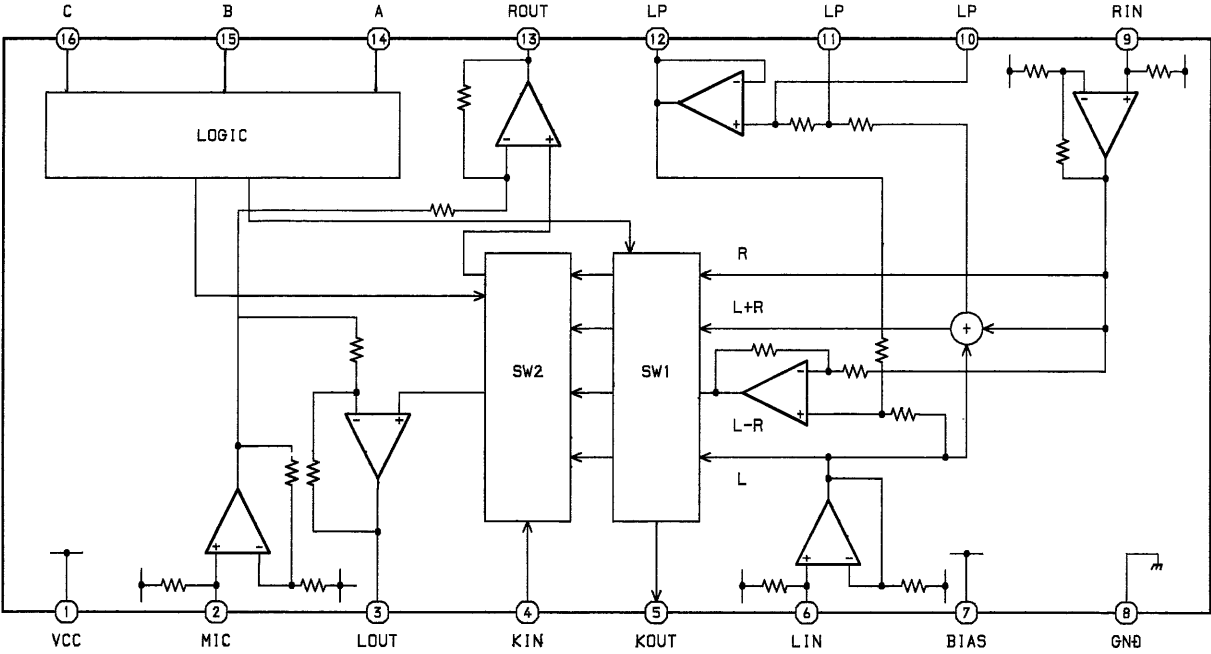


TRUTH TABLE

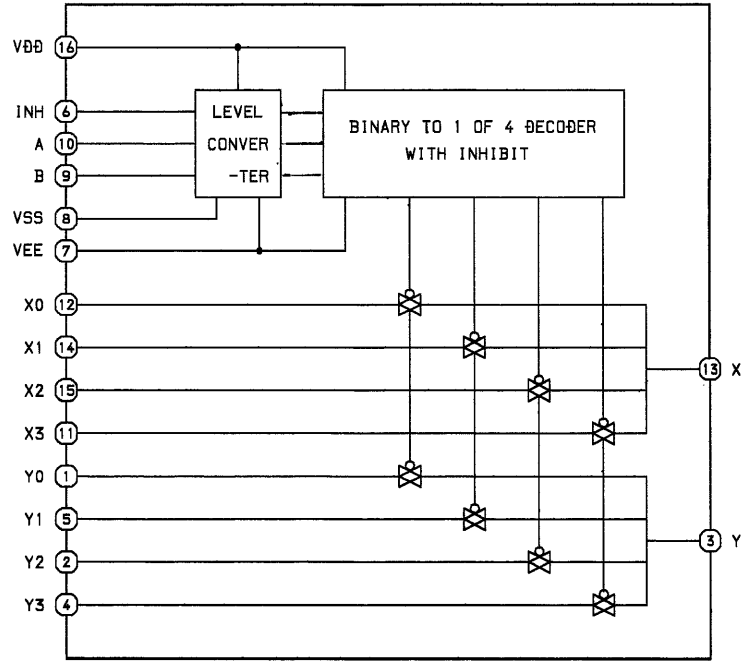
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Q5	Q'S
	L	x	x	Z	Z	Q7	NO CHG.
	L	x	x	Z	Z	NO CHG.	Q5
	H	L	x	NO CHG.	NO CHG.	Q7	NO CHG.
	H	H	L	L	Qn-1	Q7	NO CHG.
	H	H	H	H	Qn-1	Q7	NO CHG.
	H	x	x	NO CHG.	NO CHG.	NO CHG.	Q5

Z = HIGH IMPEDANCE
x = DON'T CARE

IC,BA3837



IC,BU4052B
IC,BU4052BF

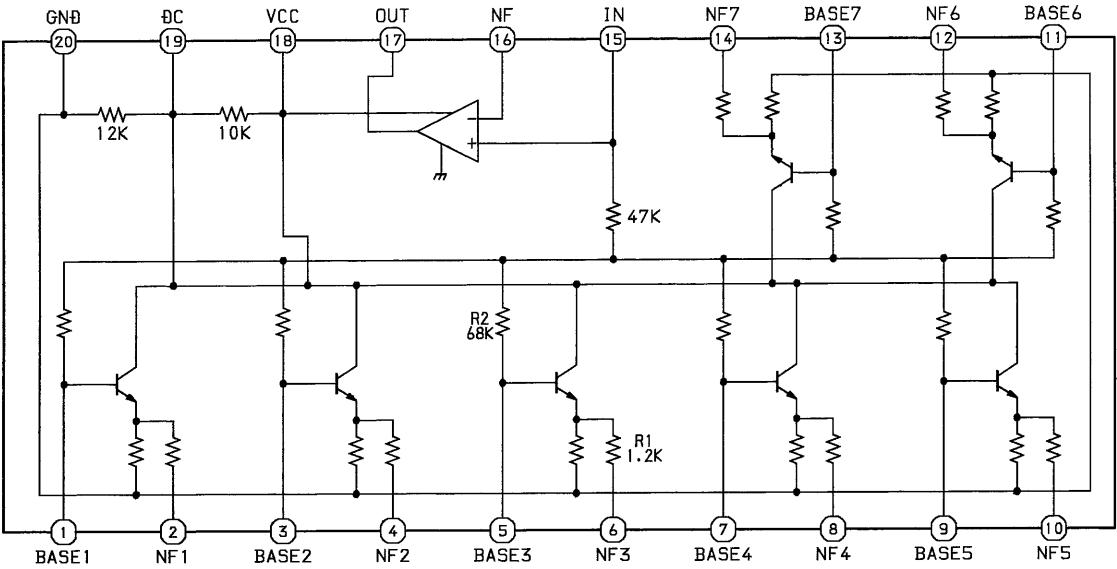


TRUTH TABLE

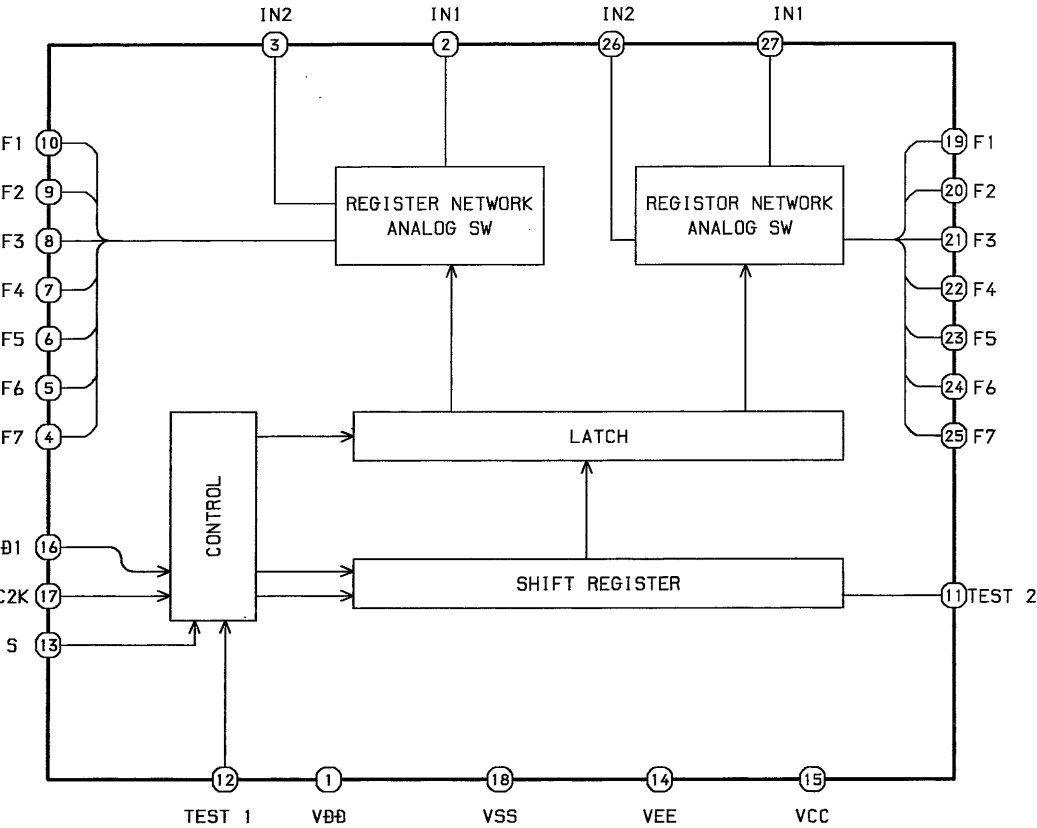
INHIBIT	A	B	ON SWITCH
L	L	L	X0, Y0
L	H	L	X1, Y1
L	L	H	X2, Y2
L	H	H	X3, Y3
H	X	X	NONE

X=Don't Care

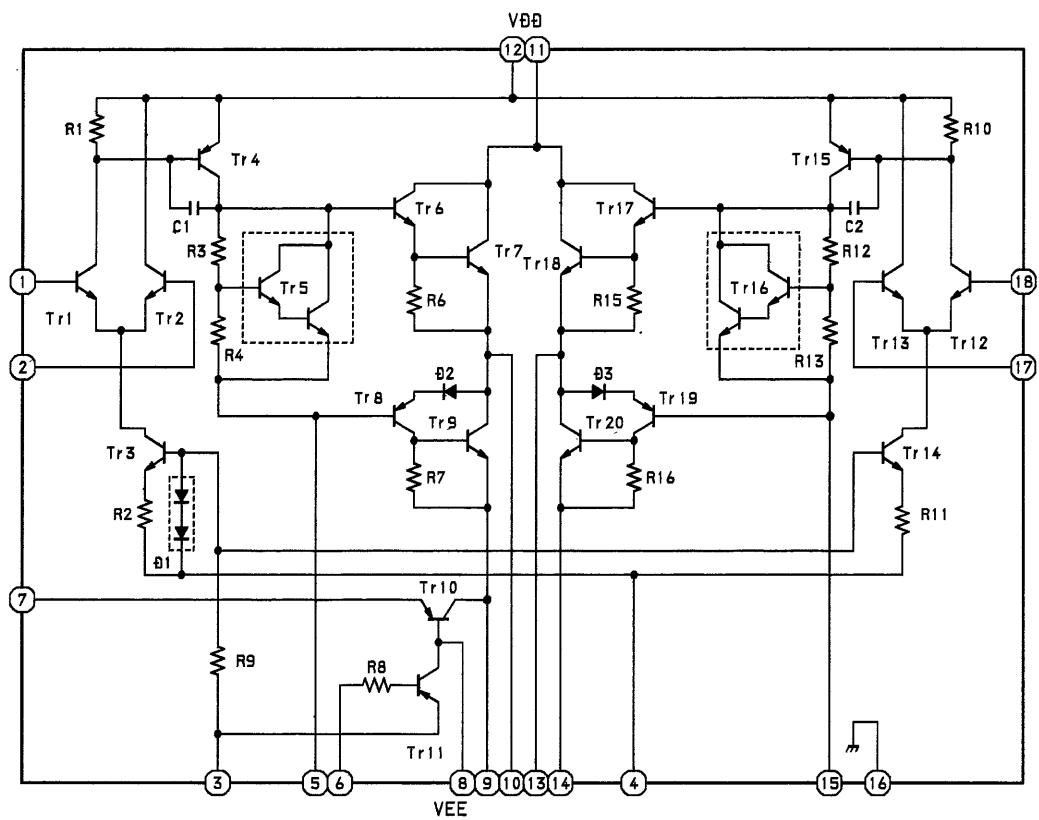
IC,LA3607



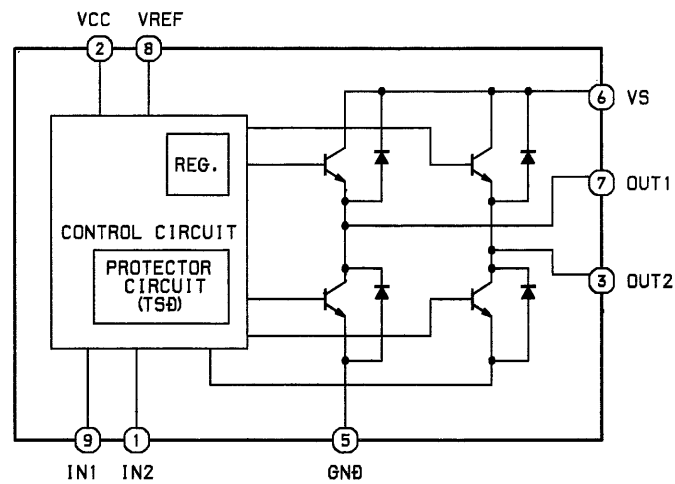
IC,LC7522



IC,STK4142-MK2 < EE,K,EZ,Z >



IC,TA7291S



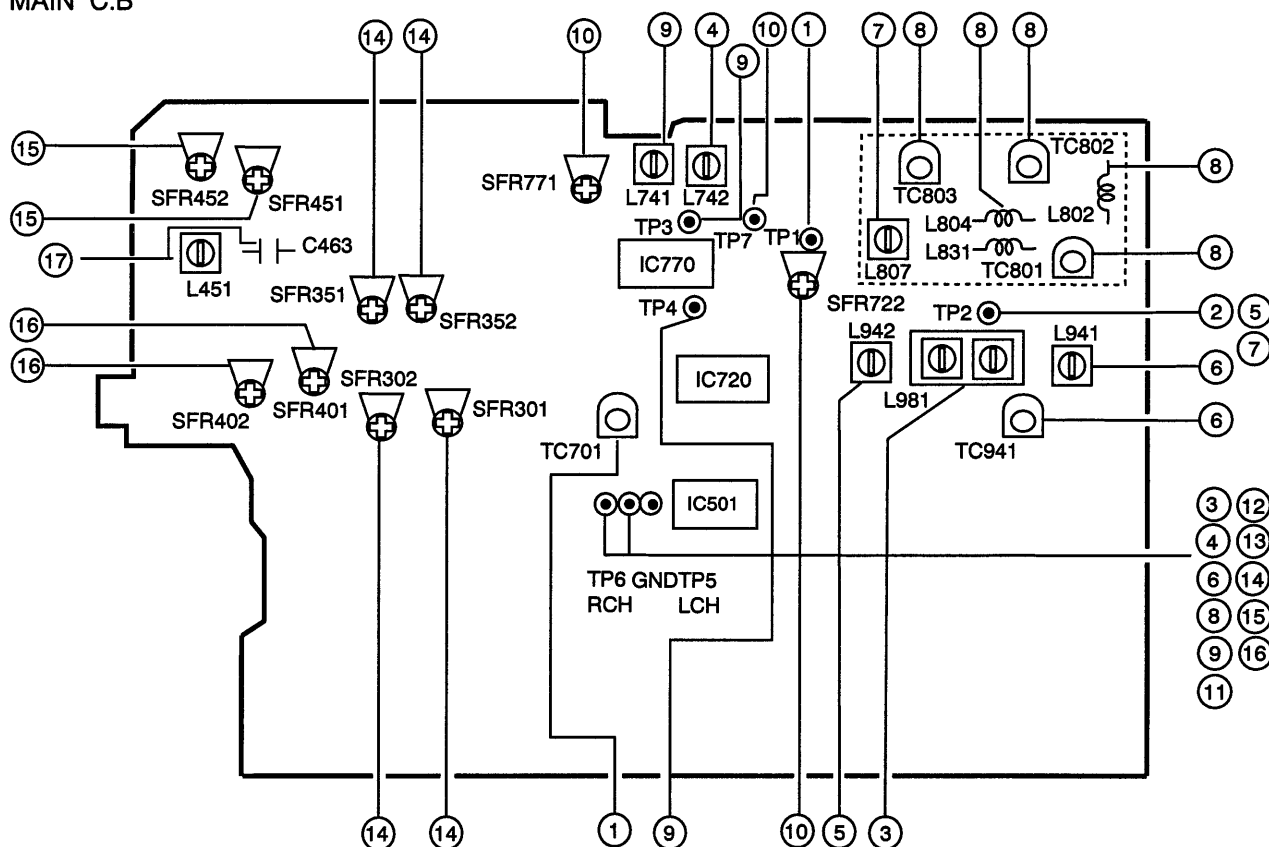
TRUTH TABLE

INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

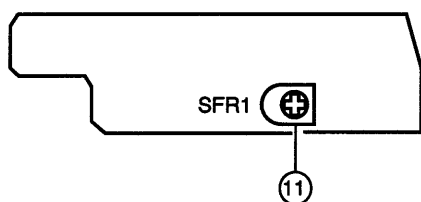
∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

ADJUSTMENT -1 <TUNER, DECK>

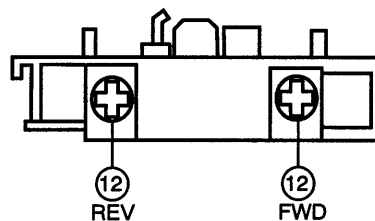
A MAIN C.B



F DECK-2 C.B



DECK-1 P, DECK-2 R / P / E HEAD



< TUNER SECTION >

1. Clock Frequency Adjustment

Settings : •Test point : TP1 (CLK IC770 pin30)

•Adjustment location : TC701

Method : Set to MW 1602kHz (HE,G,EE,K,EZ,Z), 1710kHz (LH) and adjust TC701 so that the test point become 2052kHz $\pm$ 0.01kHz (HE,G,EE,K,EZ,Z), 2160kHz $\pm$ 0.01 (LH).

2. MW VT Check

Settings : •Test point : TP2 (VT)

Method : Set to MW 1602kHz (HE,G,EE,K,EZ,Z), 1710kHz (LH) and check that the test point is 7.0V $\pm$ 10V (HE,G,EE,K,EZ,Z), 7.2V $\pm$ 1.0V (LH).

3. MW Tracking Adjustment

Settings : •Test point : TP5,TP6

•Adjustment location : L981

Method : Set to MW 999kHz (HE,G,EE,K,EZ,Z), 1000kHz (LH) and adjust L981 that the test point becomes maximum.

4. AM IF Adjustment

Settings : •Test point : TP5,TP6

L742.....450kHz

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity: 4dB $\pm$ 6dB (Except EZ,Z)
(THD 3%) (at 87.5, 98.0, 108.0MHz)
7dB $\pm$ 6dB (EZ,Z)
(at 87.5, 98.0, 108.0MHz)

S/N 50dB Quieting sensitivity:
30dB $\pm$ 5dB (HE,G,LH)
(87.5,98.0,108.0MHz)

S/N 46dB Quieting sensitivity:
35dB $\pm$ 6dB (EE,K,EZ,Z)
(at 87.5,98.0,108.0MHz)

Signal to noise ratio: More than 64dB
(98.0MHz)

Distortion: Less than 1.2%
(98.0MHz)

Stereo separation: More than 20dB (98.0MHz)

Intermediate frequency: 10.7MHz

<AM(MW) SECTION>

Sensitivity: 55 dB $\pm$ 7dB at 600kHz (LH)
(S/N 20dB) 55 dB $\pm$ 7dB at 603kHz
(HE,G,EE,K,EZ,Z)
53dB $\pm$ 6dB at 1000/1400kHz (LH)
53dB $\pm$ 6dB at 999/1404kHz
(HE,G,EE,K,EZ,Z)

Distortion: Less than 1.5% at 1000kHz (LH)
Less than 1.5% at 999kHz
(HE,G,EE,K,EZ,Z)

Intermediate frequency: 450kHz

<LW SECTION> (EE,K,EZ,Z ONLY)

Sensitivity: 66dB $\pm$ 5dB (at 144kHz)
(S/N 20dB) 63dB $\pm$ 5dB (at 198kHz)
62dB $\pm$ 5dB (at 290kHz)

Distortion: Less than 1.5% (at 198kHz)

Intermediate frequency: 450kHz

<DECK SECTION>

Tape speed: 3000Hz $\pm$ 45Hz
Wow & flutter: Less than 0.35% (W.R.M.S)
Take-up torque: 30 ~ 55g-cm (FWD, REV)
F.F & REW torque: 75 ~ 170g-cm
Back tension: 2 ~ 6g-cm (FWD, REV)
PB Output levrl: 2.9V $\pm$ 1.5dB(SP OUT)
REC/PB Output level: 1.6V $\pm$ 2.0dB(SP OUT)
Distortion (REC/PB): Less than 2.0% (NORM, CrO2)
Noise level(PB): Less than 100mV/150mV

(DOLBY NR ON/OFF
CrO2. Vol MAX.)
Less than 130mV/200mV
(DOLBY NR ON/OFF
NORM. Vol MAX.)

Noise level(REC/PB): Less than 3.3mV/7.5mV
(DOLBY NR ON/OFF
CrO2. Vol 2V)
Less than 4mV/12mV
(DOLBY NR ON/OFF
NORM. Vol 2V)

Crosstalk: More than 60dB(1kHz, 0VU)

Channel separation: More than 48dB(1kHz, 0VU)

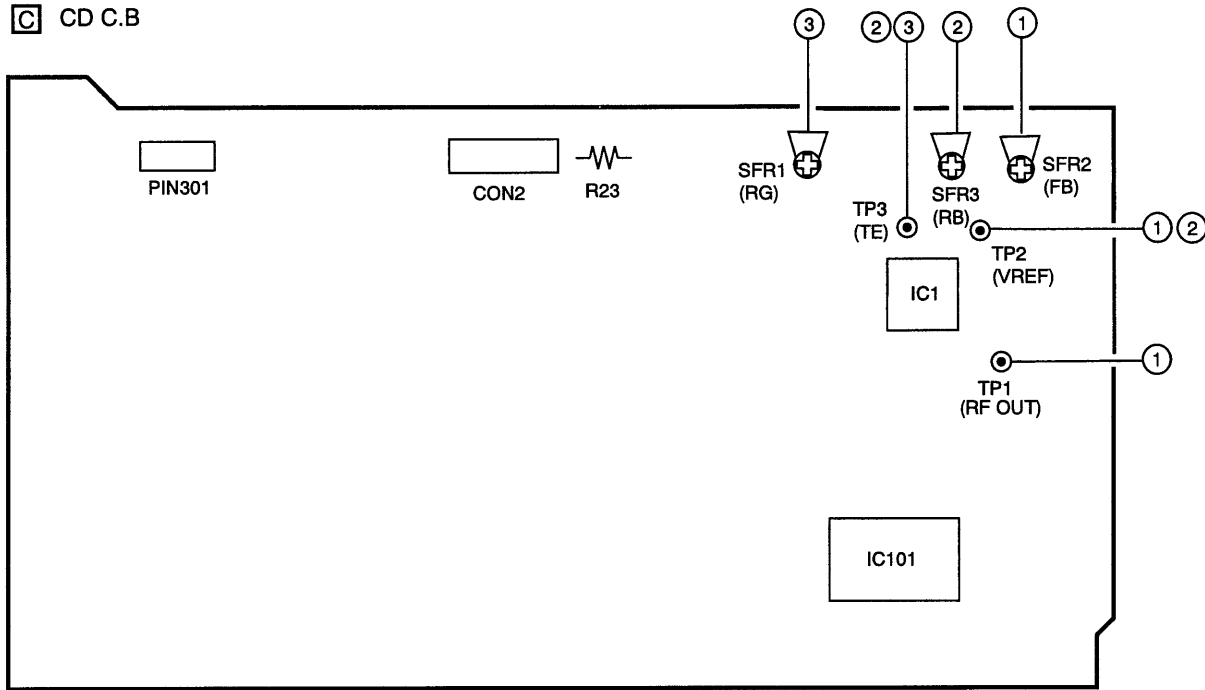
Erasing ratio: More than 60dB (at 125Hz)

REC bias frequency: 85kHz

Test tape: NORMAL: TTA-601
(TTA-119K)
CrO2.: TTA-610
(TTA-119H)

ADJUSTMENT- 2 <CD>

C CD C.B



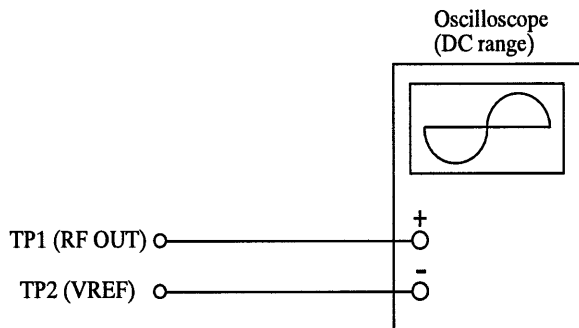
Note :

Connect a probe (10:1) of the osilloscope or the frequency counter to a test point.

< CD SECTION >:

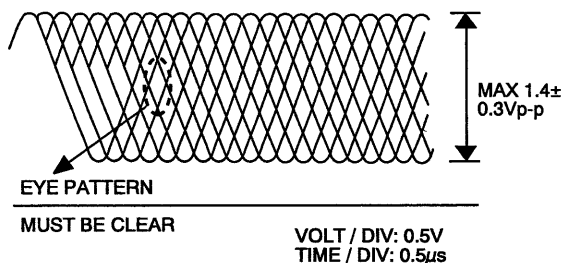
1. Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.



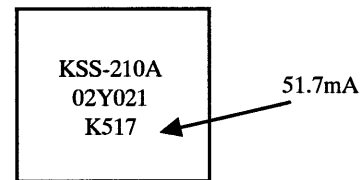
- 1) Connect an oscilloscope to the test points TP1 (RF OUT) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR2 so that RF signal of the test point TP1 (RF OUT) is MAX and CLEARREST.

RF signal waveform



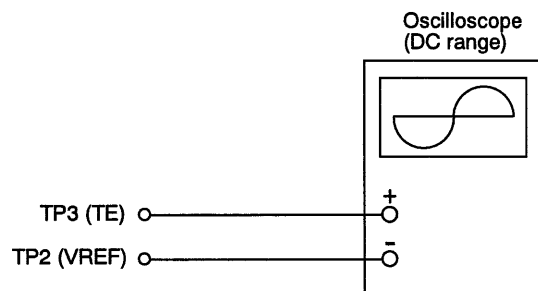
Note:

The current of the laser signal can be checked with the voltage on both sides of R23 (10Ω). The difference for the specified value shown on the level must be within ± 6.0mA

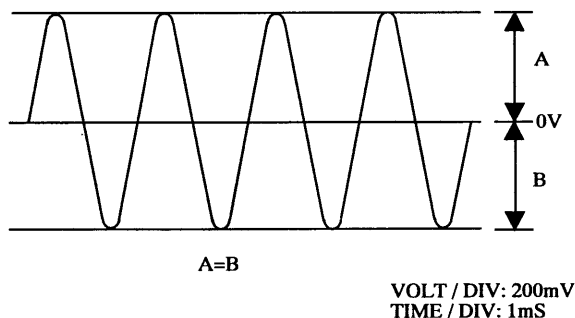


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R23}}{10\Omega}$$

2. Tracking Balance Adjustment



- 1) Connect an oscilloscope to the test points TP3 (TE) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and press the PLAY button.
- 4) Connect the intermediate point of SFR1 to TP2 (VREF)
- 5) Adjust SFR3 so that the waveform on the oscilloscope is vertically symmetrical as figure shown in the figure below.
- 6) After the adjustment is completed, remove the connected lead wires from the terminals.



3. Tracking Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment. Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates increases.

- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When gain adjustment is off, the symptoms below appear.

Symptoms \ Gain	(Focus)	Tracking
•The time until music starts becomes longer for STOP PLAY or automatic selection (◀ ▶ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
•Music does not start and disc continues to rotate for STOP PLAY or automatic selection (◀ ▶ buttons pressed.)	—	low
•Disc stops to rotate shortly after STOP → PLAY.	low or high	—
•Sound is interrupted during PLAY, or time counter display stops.	—	low
•More noises during the 2-axis device operation.	high	high

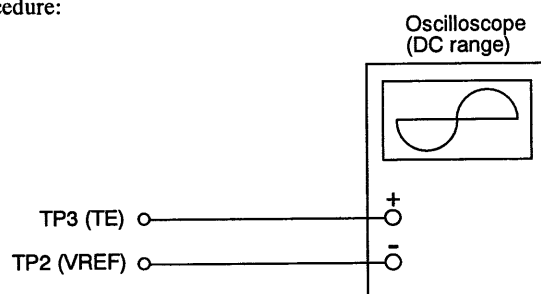
The following is simple adjustment method.

= Simple adjustment =

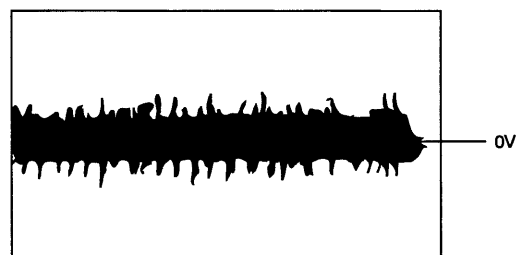
Note: Since exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment.

If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



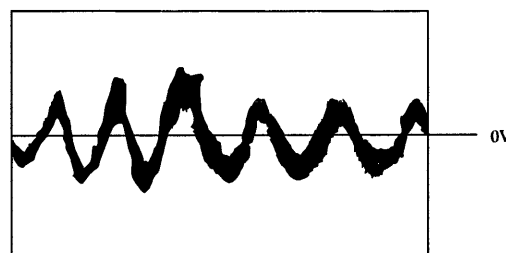
- 1) Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
- 2) Inset test disc TCD-782 and play back the second composition.
- 3) Connect an oscilloscope to TP3 (TE) of the CD C.B.
- 4) Adjust SFR1 so that the waveform appears as shown in the figure below.(tracking gain adjustment)



• Incorrect example

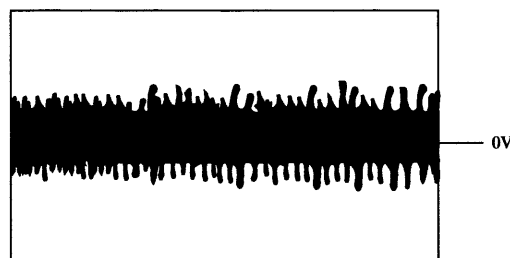
Low tracking gain

(The fundamental wave appears as compared with the waveform adjusted)

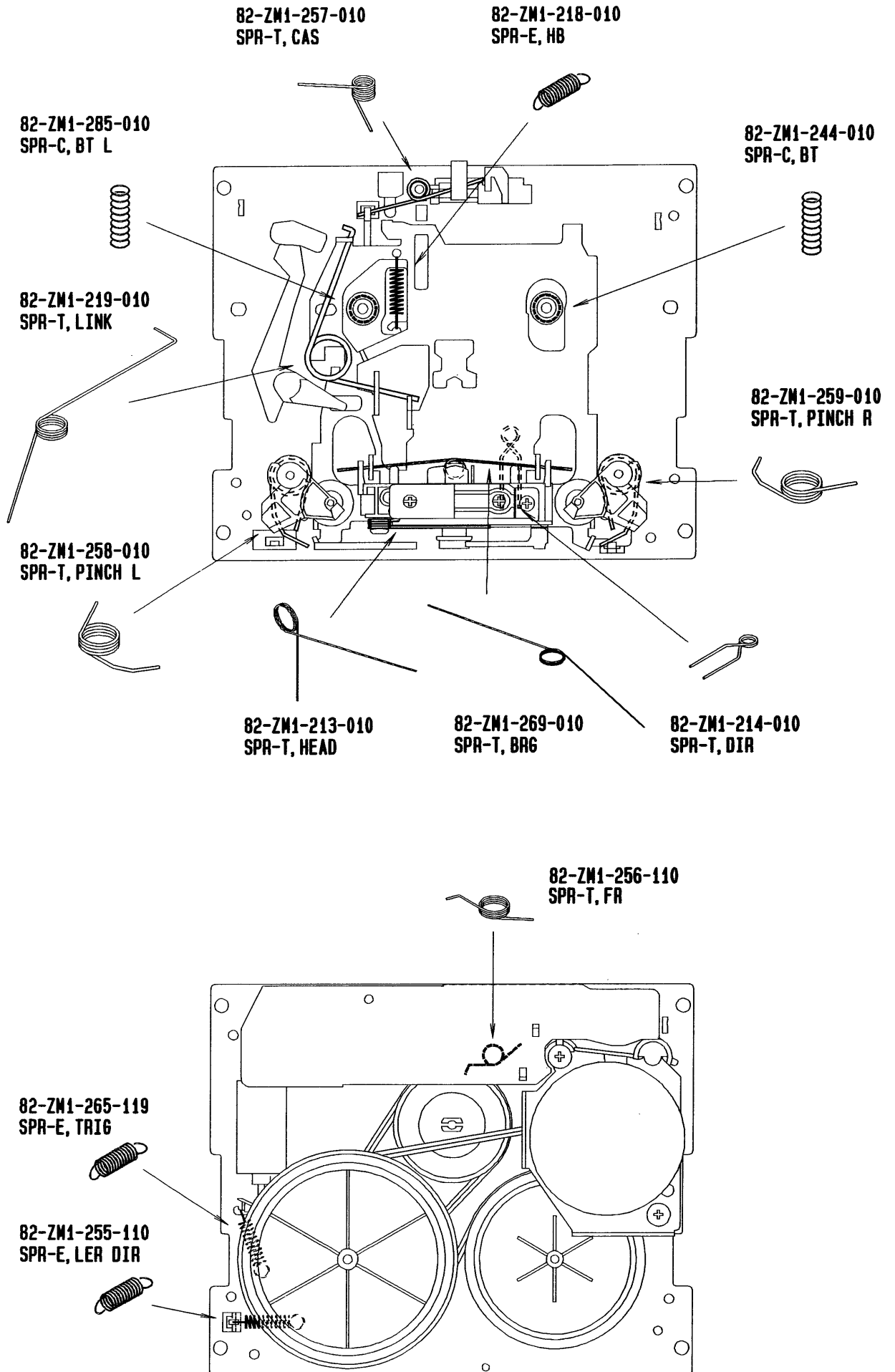


High tracking gain

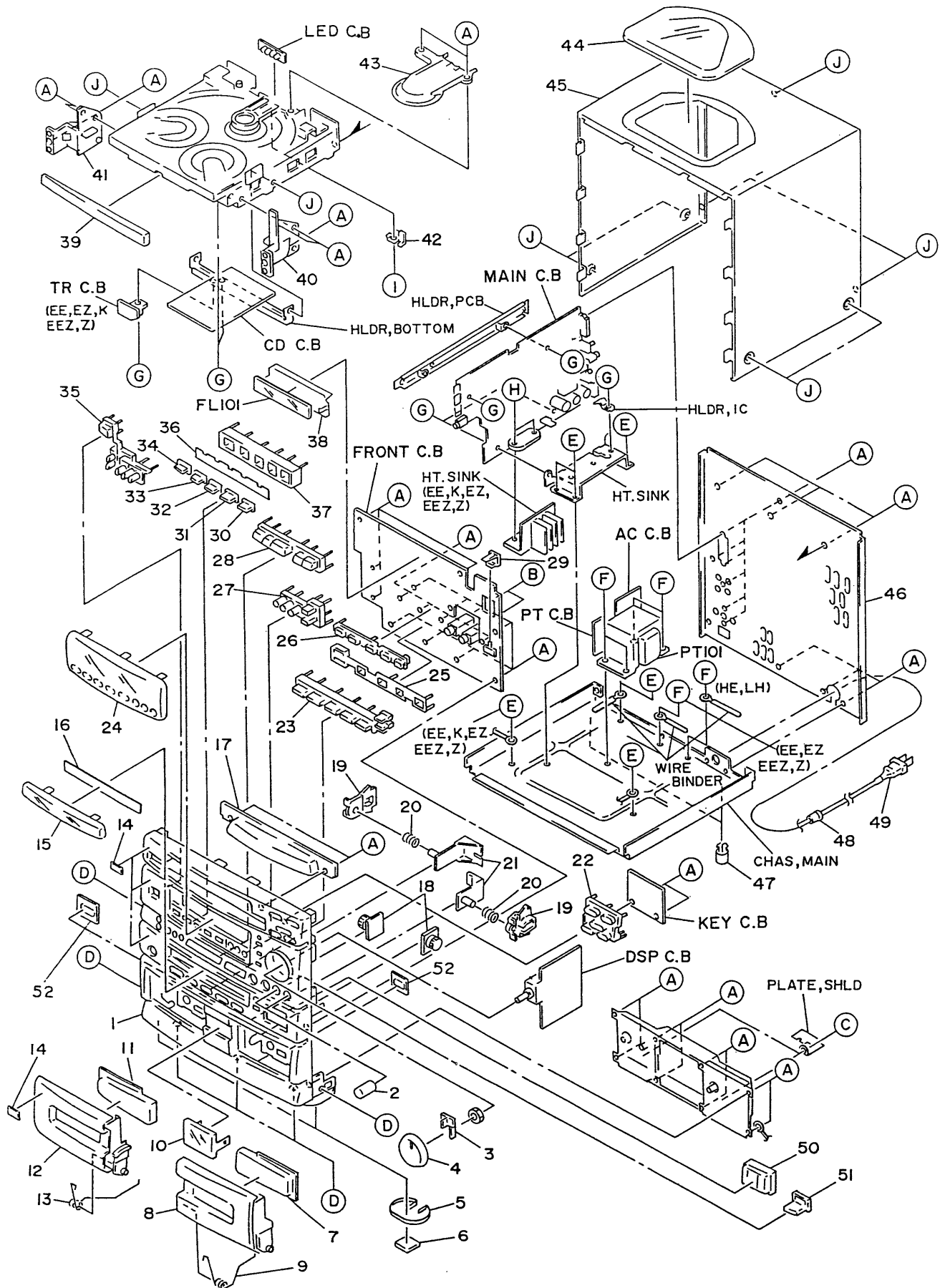
(The frequency of the fundamental wave is higher than in low gain)



SPRING APPLICATION POSITION



MECHANICAL EXPLODED VIEW 1 / 2

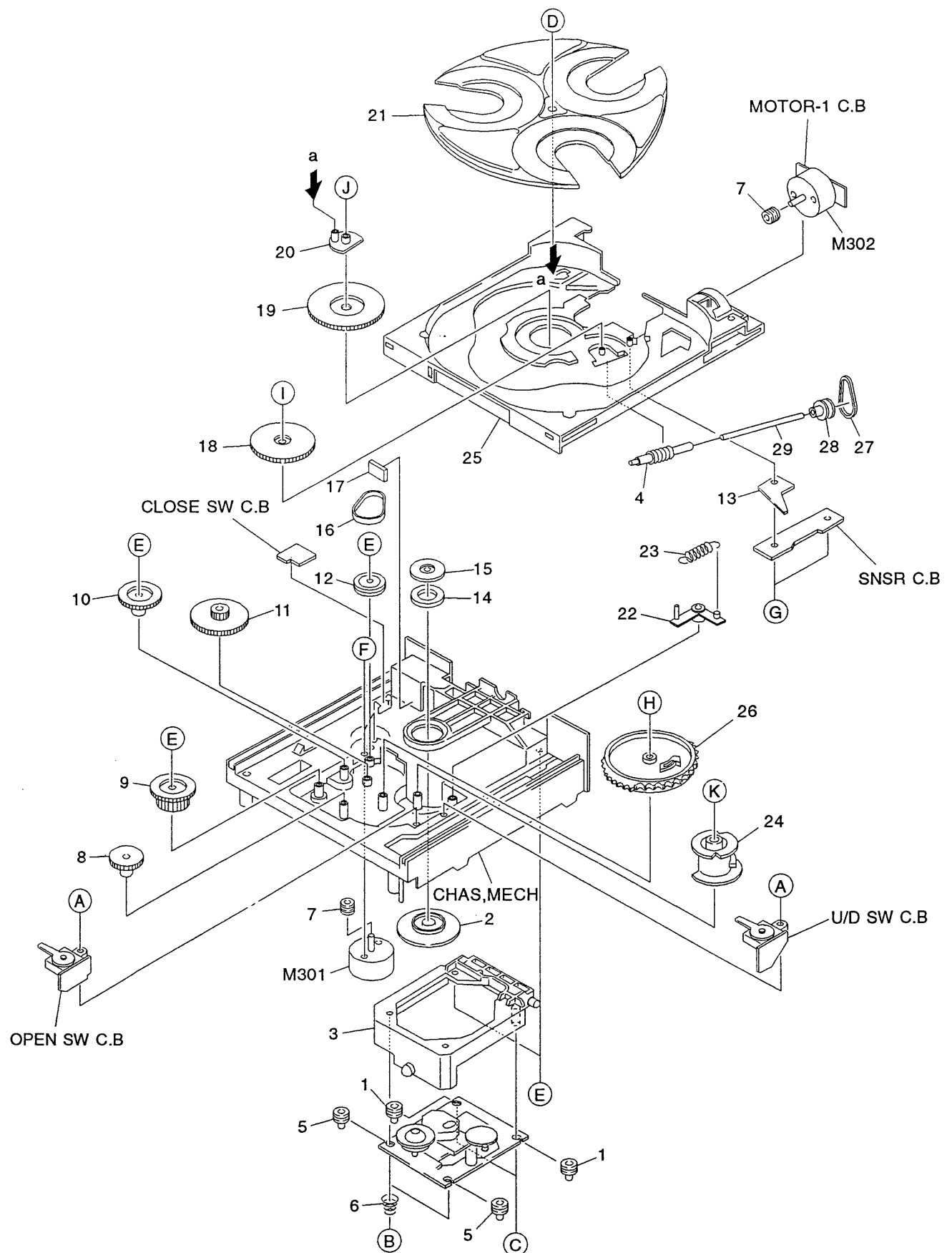


MECHANICAL PARTS LIST 1 / 2

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	84-MA1-003-019		CAB,FR E<EE,K,EZ,EEZ>	38	82-NF5-212-019		GUIDE,FL
1	84-MA1-001-019		CAB,FR H<HE>	39	84-MA1-006-019		PANEL,CD
1	84-MA1-004-019		CAB,FR LH<LH>	40	84-MA1-215-019		HLDR,CD R
1	84-MA1-002-019		CAB,FR Z<Z>	41	84-MA1-214-019		HLDR,CD L
2	81-MX4-019-019		KNOB,MIC	42	83-NF5-034-019		IND,CD 2
3	84-MA1-051-019		IND,VOL	43	83-NF5-023-019		IND,CD
4	84-MA1-049-019		KNOB,VOL	44	83-NF5-021-019		WINDOW, TOP
5	81-MA1-022-019		PLATE, FOOT	45	84-MA1-008-019		CAB,STEEL<EXCEPT Z>
6	83-MA1-203-019		FELT, 15-20-2 LEG	45	84-MA1-007-018		CAB,STEEL(G)<Z>
7	84-MA1-068-019		WINDOW,CASS R	46	84-MA1-084-019		PANEL,REAR EEBNM<EE>
8	84-MA1-018-019		BOX,CASS R	46	84-MA1-085-019		PANEL,REAR EZBNM<EZ,EEZ>
9	82-NF5-219-019		SPR-T,EJECT 2(SIN)	46	84-MA1-009-019		PANEL,REAR HEJBN<HE>
10	84-MA1-069-019		WINDOW,CL	46	84-MA1-083-019		PANEL,REAR KBNM<K>
11	84-MA1-067-019		WINDOW,CASS L	46	84-MA1-090-019		PANEL,REAR LHBNM<LH>
12	84-MA1-017-019		BOX,CASS L	46	84-MA1-016-019		PANEL,REAR ZBNE<Z>
13	82-NF5-218-019		SPR-T,EJECT 1(SIN)	47	87-085-224-010		FOOT,H17
14	82-NE8-032-019		BADGE,AIWA 27.5	48	87-085-184-010		BUSHING,AC CORD D<LH>
15	84-MA1-074-019		WINDOW,GEQ	48	87-085-185-010		BUSHING,AC CORD E<EXCEPT LH>
16	84-MA1-082-019		PLATE,GEQ	△ 49	87-050-016-018		AC CORD ASSY E<Z>
17	84-MA1-077-019		WINDOW,CD	△ 49	87-050-079-019		AC CORD ASSY,E<HE,EE,EZ,EEZ>
18	87-063-165-019		OIL-DMPR 150	△ 49	87-050-075-019		AC CORD ASSY,H<LH>
19	82-NF5-229-019		PLATE,LOCK	△ 49	87-050-032-019		AC CORD ASSY,K'3P S<K>
20	82-NF5-228-019		SPR-C,LOCK	50	84-MA1-040-019		KEY,CURSOR
21	84-MA1-211-019		HLDR,LOCK	51	84-MA1-027-019		KEY,ECHO
22	84-MA1-021-019		KEY,CD	52	87-020-109-010		LED,SLF-201C
23	84-MA1-037-019		KEY,GEQ	A	87-067-703-019		BVT2+3-10(W/O SLOT)
24	84-MA1-071-019		WINDOW,AMP	B	81-MK1-210-019		S-SCREW,BFT2+3-16
25	84-MA1-616-019		GUIDE,GEQ	C	87-571-032-419		VT2+3-6
26	84-MA1-617-019		GUIDE,PLAY	D	87-591-094-419		QIT+3-6 GOLD
27	84-MA1-024-019		KEY,DSP	E	87-067-584-019		BVT2+3-6 W/O SLOT
28	84-MA1-032-019		KEY,PLAY	F	87-067-585-019		BVTT+4-6
29	82-MA2-036-019		KNOB,SLIDE DE	G	87-067-579-019		BVT2+3-8 W/O SLOT
30	84-MA1-064-019		BTN, FN CD	H	87-067-581-019		BVT2+3-15 W/O SLOT
31	84-MA1-063-019		BTN, FN AUX	I	87-741-094-419		UT2+3-6
32	84-MA1-062-019		BTN, FN PHONO	J	87-067-641-019		UTT2+3-8 W/O SLOT BLK
33	84-MA1-061-019		BTN, FN TUNER	K	87-067-058-019		FW, 3.2-8-0.5
34	84-MA1-060-019		BTN, FN TAPE				
35	84-MA1-029-019		KEY,POWER				
36	84-MA1-081-019		SH,FUN				
37	84-MA1-201-019		KEY,FN				

MECHANICAL EXPLODED VIEW 2 / 2

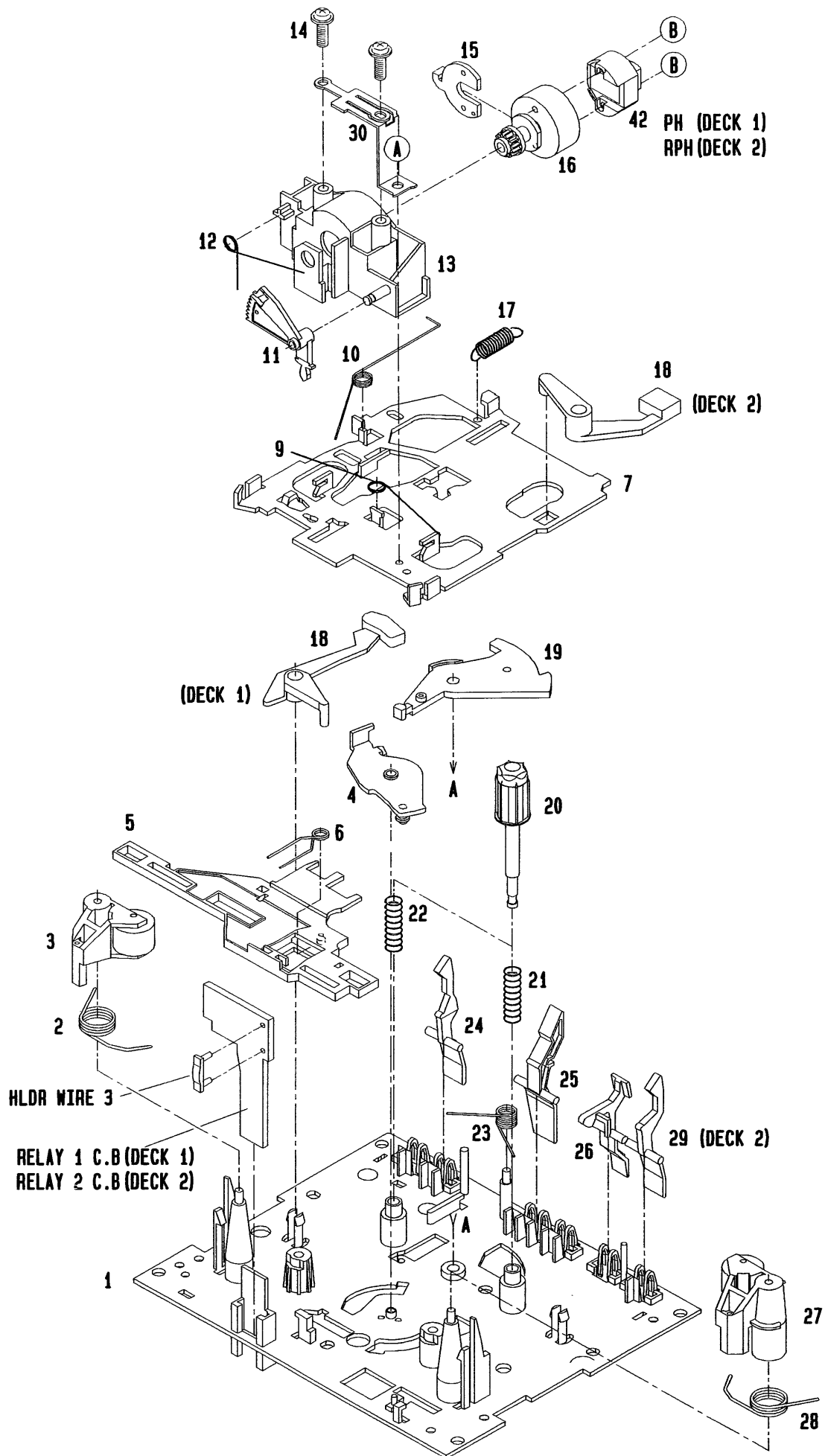


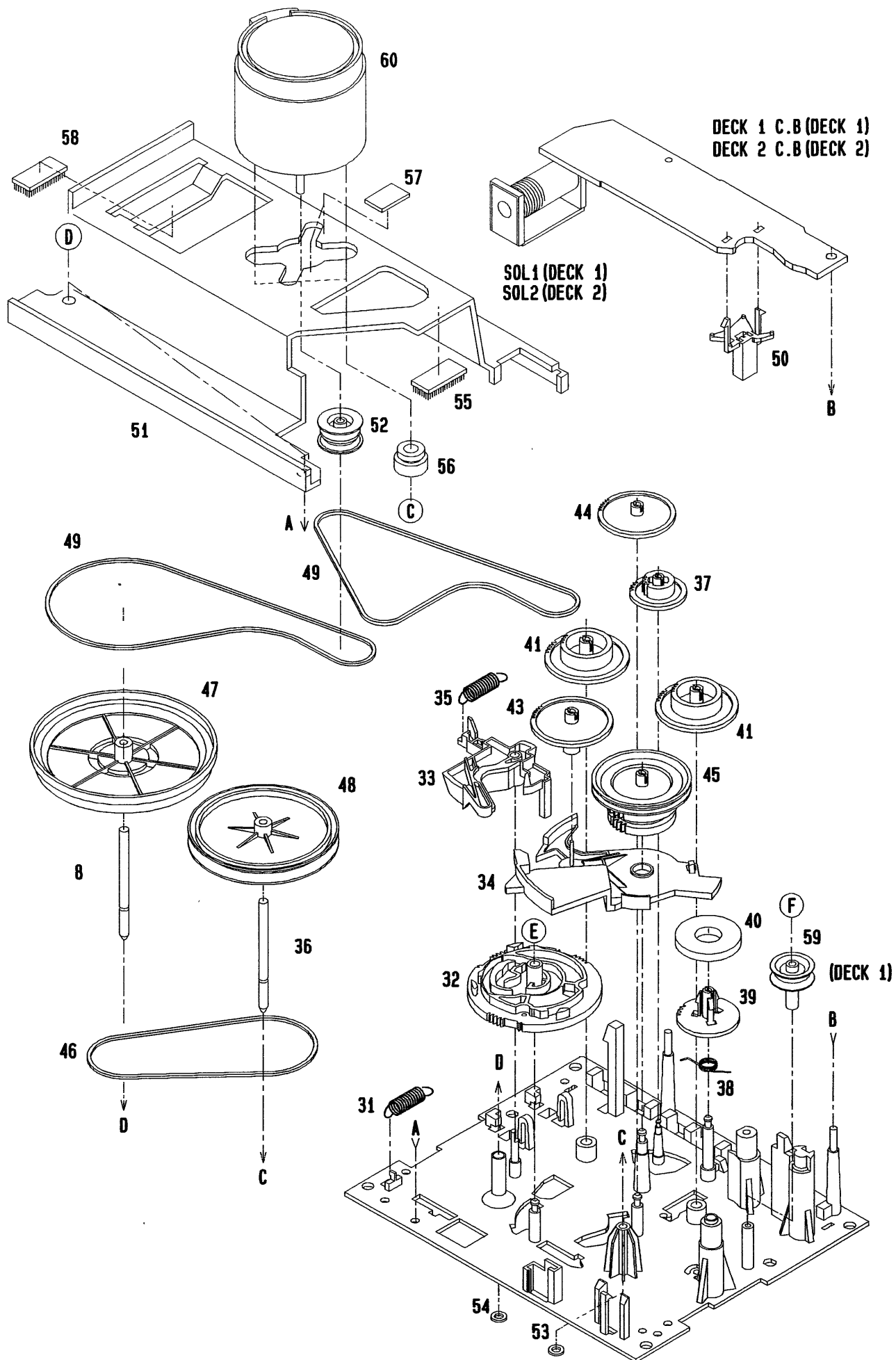
MECHANICAL PARTS LIST 2 / 2

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

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	80-CD3-214-010	CUSH CD A	25	81-ZG1-024-010	TRAY,NO3 3NF-5
2	81-ZG1-277-110	HLDR,MAGNET N	26	81-ZG1-015-010	GEAR,TRAY BLU
3	81-ZG1-253-510	HLDR,MECH MK2	27	81-ZG1-233-110	BELT,TT
4	81-ZG1-276-110	WORM GEAR,TT NO2	28	81-ZG1-236-010	PULLY,TT MO
5	81-ZG1-230-010	G-CUSH,MECH	29	81-ZG1-260-010	SHAFT,WORM S
6	81-ZG1-231-110	SPR-C,MECH	A	81-653-215-010	SPECIAL SCREW VT2
7	81-ZG1-212-010	PULLY,LOAD MO	B	81-ZG1-254-010	S-SCREW,MECH HLDR
8	81-ZG1-250-010	GEAR,TRAY RELAY MK2	C	81-ZG1-271-010	S-SCREW,MECH REAR
9	81-ZG1-019-010	GEAR TRAY B YEL	D	81-ZG1-239-010	S-SCREW,TT
10	81-ZG1-018-010	GEAR TRAY A YEL	E	87-067-945-110	VFT2+3-12(F10)
11	81-ZG1-017-010	GEAR RELAY RED	F	87-251-071-410	U+2.6-4
12	81-ZG1-014-010	PULLY,RELAY YEL	G	87-067-579-010	BVT 2+3-8 W/O SLOT
13	81-ZG1-240-010	SPR-P,WORM	H	81-ZG1-264-010	S-SCREW,CAM
14	87-036-326-010	MAGNET,CLAMPER 93	I	87-761-095-410	VFT2+3-8W/O SLOT GOLD
15	81-ZG1-285-010	PLATE,MAGNET N	J	87-078-029-010	VFT2+3-13(F8)
16	81-ZG1-232-010	BELT,TRAY	K	87-078-061-010	VFT2+3-20DIA10,GLD
17	81-ZG1-238-110	CUSH,TRAY IN			
18	81-ZG1-222-010	WORM WHEEL,TT			
19	81-ZG1-202-010	GEAR,MAIN			
20	81-ZG1-252-010	LEVER,TT MK2			
21	81-ZG1-008-210	TURNTABLE,NO2<Z>			
21	81-ZG1-010-210	TURNTABLE,NO3<EXCEPT Z>			
22	81-ZG1-020-010	PLATE,CAM BGE			
23	81-ZG1-262-010	SPR-E CAM S			
24	81-ZG1-016-010	GEAR,MECHA BGE			

TAPE MECHANISM EXPLODED VIEW 1 / 1



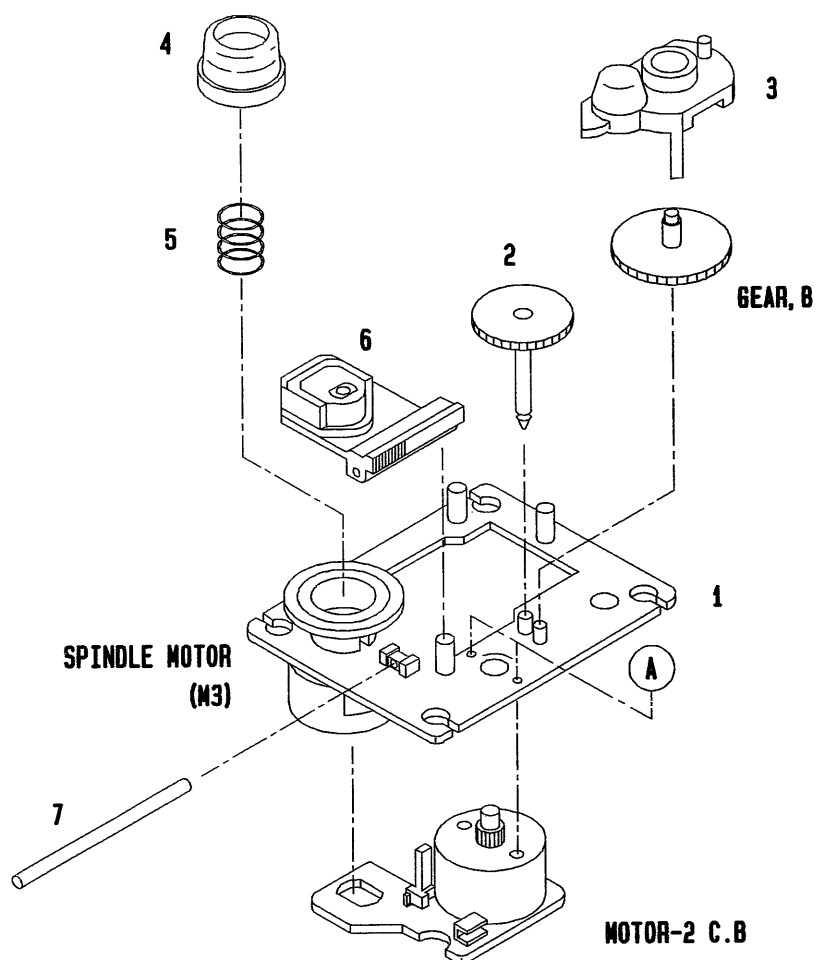


TAPE MECHANISM PARTS LIST 1 / 1

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-ZM1-327-119		CHAS ASSY R (DECK 2)	34	82-ZM1-224-11K		LVR,FR
1	82-ZM3-217-119		CHAS ASSY,P (DECK 1)	35	82-ZM1-265-119		SPR-E,TRIG
2	82-ZM1-258-010		SPR-T,PINCH L	36	82-ZM1-313-019		CAPSTAN,N 2-41.5
3	82-ZM1-248-11K		LVR ASSY,PINCH L	37	82-ZM1-223-01K		GEAR,PLAY
4	82-ZM1-295-21K		PLATE ASSY,LINK	38	82-ZM1-256-110		SPR-T,FR
5	82-ZM1-266-01K		LVR,DIR	39	82-ZM1-220-21K		GEAR,IDLER
6	82-ZM1-214-010		SPR-T,DIR	40	80-ZM6-316-010		RING MAGNET 3
7	82-ZM1-206-21K		CHAS,HEAD	41	82-ZM1-216-21K		GEAR,REEL
8	82-ZM1-312-019		CAPSTAN 2.2-41.7	42	87-046-355-019		HEAD,PH HADKH2529B (PH)
9	82-ZM1-269-010		SPR-T,BRG	42	87-046-356-019		HEAD,RPH HADKH5581B (RPH)
10	82-ZM1-219-010		SPR-T,LINK	43	82-ZM1-225-01K		GEAR,FR
11	82-ZM1-210-01K		GEAR,H T	44	82-ZM1-226-01K		GEAR,REW
12	82-ZM1-213-010		SPR-T,HEAD	45	82-ZM1-228-210		SLIP DISK ASSY
13	82-ZM1-207-010		GUIDE,TAPE	46	82-ZM1-328-010		BELT,FR 2
14	82-ZM1-283-210		S-SCREW,AZIMUTH	47	82-ZM1-238-51K		FLY-WHL,R (DECK 2)
15	82-ZM1-314-119		PLATE,HEAD	47	82-ZM3-210-41K		FLY-WHL,R2 (DECK 1)
16	82-ZM1-208-010		HLDR,HEAD	48	82-ZM1-235-21K		FLY-WHL,L (DECK 2)
17	82-ZM1-218-010		SPR-E,HB	48	82-ZM3-208-31K		FLY-WHL,L2 (DECK 1)
18	82-ZM1-263-11K		LVR,EJECT L (DECK 1)	49	82-ZM5-202-010		BELT,MAIN 9
18	82-ZM1-264-01K		LVR,EJECT R (DECK 2)	50	82-ZM1-245-21K		HLDR,IC
19	82-ZM1-222-01K		LVR,PLAY	51	82-ZM5-201-01K		HLDR,200
20	82-ZM1-217-11K		REEL TABLE	52	82-ZM3-202-010		PULLEY,MOT 2M
21	82-ZM1-244-110		SPR-C,BT	53	82-ZM1-288-019		SH,1.63-3.2-0.5 SLT
22	82-ZM1-285-110		SPR-C,BTL	54	80-ZM6-243-019		SH 1.75-3.6-0.5 SLT
23	82-ZM1-257-010		SPR-T,CAS	55	80-ZM6-230-019		SH BELT
24	82-ZM1-241-11K		LVR,MC	56	82-ZM1-308-019		CUSH-G,DIA3.7-9-3.2
25	82-ZM1-242-01K		LVR,CAS	57	86-575-361-010		CUSH-G,6-8-0.8
26	82-ZM1-243-01K		LVR,STOP	58	81-ZM3-204-019		SH,BELT 2
27	82-ZM1-253-11K		LVR ASSY,PINCH R	59	82-ZM3-204-010		PULLEY,COUPLER (DECK 1)
28	82-ZM1-259-010		SPR-T,PINCH R	60	87-045-347-019		MOT,SHU2L 70 (M1)
29	82-ZM1-240-11K		LVR,REC (DECK 2)	A	82-ZM1-315-010		S-SCREW,GUIDE TAPE
30	82-ZM1-298-010		SPR-P EARTH	B	80-ZM6-207-019		V+1.6-7
31	82-ZM1-255-110		SPR-E,LVR DIR	C	82-ZM1-309-010		S-SCREW MOTOR
32	82-ZM1-221-11K		GEAR,CAM	D	87-067-178-019		VTT+2.6-3
33	82-ZM1-227-11K		LVR,TRIG	E	87-067-932-019		PW,2.15-6.8-0.5 SLT
				F	87-067-972-019		PW,1.05-3-0.25 SLT

CD MECHANISM EXPLODED VIEW 1 / 1



CD 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	9X-262-513-310		T.T CHASS ASSY W/MOTOR	6	98-848-127-110		OPTICAL PICK UP KSS-210A
2	92-625-188-020		GEAR(A)	7	94-917-565-010		SHAFT SLED
3	92-625-544-010		COVER	A	87-261-032-210		V+2-3
4	92-625-187-010		RING CENTER				
5	92-625-191-010		SPRING COMPRESSION				

SPEAKER LIST (SX-FZ1200 / FZAP1)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	84-MS3-001-019		PANEL FR
2	84-MS3-008-019		ADAPTOR ASSY
3	84-MS3-005-019		SPEAKER GRILL
4	84-VS3-601-019		SPEAKER WOOFER H <G,LH>
4	82-VS3-601-019		SPEAKER WOOFER <Z>
5	83-NS5-604-019		SPEAKER MID
6	83-NS5-606-019		SPEAKER
7	83-MS3-009-019		GRILL FRAME ASSY
8	83-NS5-611-019		SPEAKER CORD Y/B
9	83-NS5-612-019		TERMINAL Y/B
10	84-MS3-611-019		SPEAKER CORD ASSY

SPEAKER LIST (SX-Z1100)

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	84-MS1-001-019		PANEL FR
2	84-MS1-010-019		GRILL FRAME ASSY
3	84-MS3-009-019		PANEL TW ASSY
4	82-VS3-601-019		SPEAKER WOOFER
5	84-VS3-603-019		SPEAKER TWEETER
6	83-096-614-019		SPEAKER CORD

ACCESSORIES / PACKAGE LIST

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

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	84-MA1-701-019		RC-TZ1100
2	87-006-268-019		AN-LOOP ANT NC (UN)
3	87-009-724-019		PLUG,ADPTR,IR39 <LH>
3	87-009-725-019		PLUG,ADPTR IR40 <HE>
4	87-043-106-019		FM,WIRE ANT(Z) <EE,K,EZ,Z>
5	87-043-115-018		ANT,FEEDER FM<EXCEPT EE,K,EZ,Z>
6	84-MA1-901-019		IB,ESC <EXCEPT LH,ZAP1>
7	84-MA1-905-019		IB,GFI <EE,EZ>
8	84-MA1-906-018		IB,API <ZAP1>
9	84-MA1-907-019		IB,LH <LH>

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, SERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	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	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

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