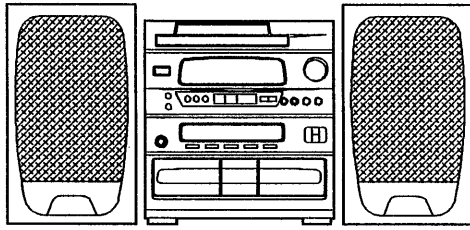


aiwa



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 | |

SERVICE MANUAL

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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

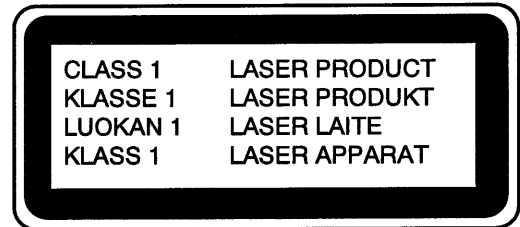
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

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.

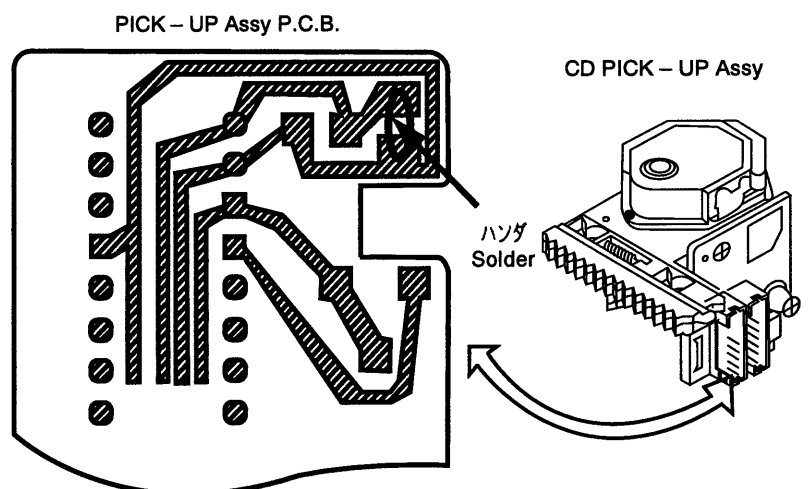


Precaution to replace Optical block

(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 |
| Erasure 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 (semiconductor laser) |
| Laser | Semiconductor laser (1 =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.)

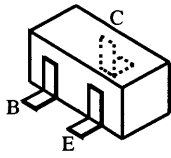
| | |
|------------------------------------|------------------------------------------------------------------------------------------------|
| Cabinet type | 2 way, bass reflex |
| Speaker | 170 mm (6 $\frac{3}{4}$ in.) cone type woofer 60 mm (2 $\frac{3}{8}$ in.) cone type tweeter |
| Impedance | 6 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.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.
- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc. Under license from BBE Sound, Inc.

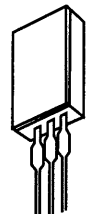
TRANSISTORS ILLUSTRATION



- | | |
|---------|----------|
| 2SA1162 | DTA114TK |
| 2SC1623 | DTA143EK |
| 2SC2712 | DTA144EK |
| 2SC3326 | DTA144WK |
| 2SC2714 | DTC114YK |
| 2SK543 | DTC144EK |
| 2SK302 | DTC143XK |
| 2SK211 | |



- E C B
- | |
|---------|
| 2SA1296 |
| 2SA952 |
| 2SA1015 |
| 2SA1318 |
| 2SC3331 |
| 2SC1815 |
| 2SC3266 |
| 2SD655 |
| KTA1266 |
| KTC3198 |
| 2SA933S |
| 2SC1740 |



- E C B
- | |
|----------|
| 2SK365 |
| DTA114YS |



- S G D
- | |
|--------|
| 2SK246 |
|--------|



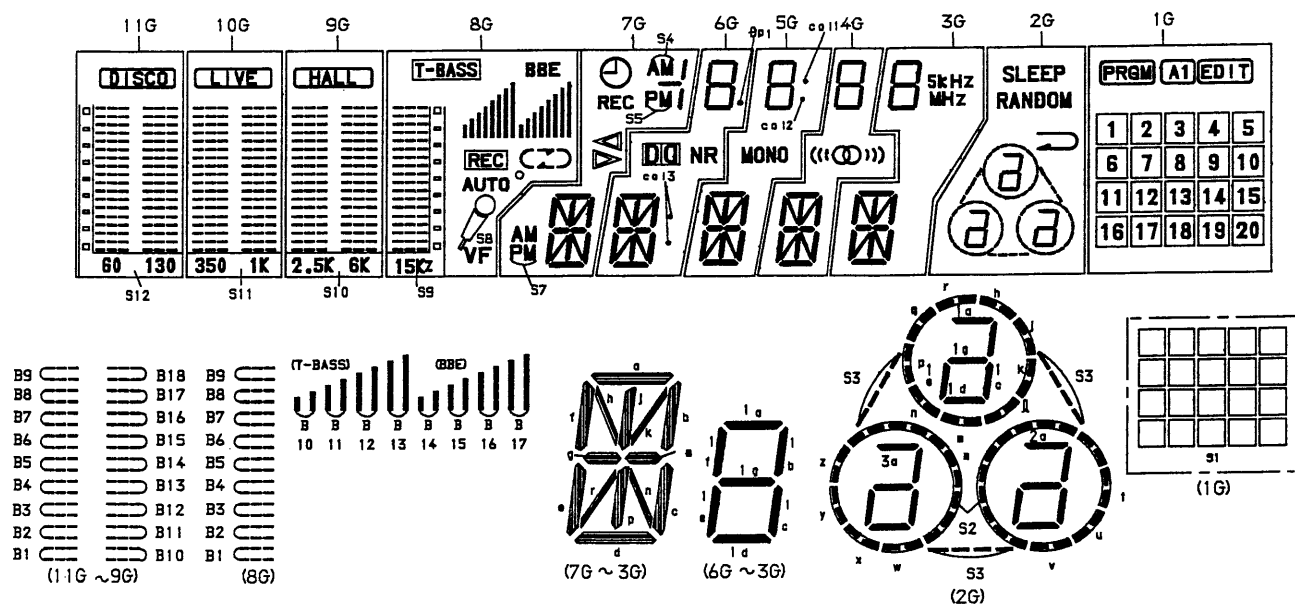
- B C E
- | |
|---------|
| 2SB1370 |
|---------|



- B C E
- | |
|---------|
| 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 | 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 | co13 | co11 | - | KHZ | 2b | 12 |
| P15 | B17 | B17 | B17 | B11 | S6 | DDNR | MONO | (((O))) | 5 | 1e | 6 |
| P16 | B8 | B8 | B8 | B8 | ▷ | ▷p1 | co12 | - | MHZ | 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 [A] | |
| 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 | | | | | | | |
| | 87-020-454-019 | | IC DN 6851 | | 87-002-225-019 | | DIODE DBF 40C-K10 |
| | 87-017-745-010 | | IC, CXA1782BQ | | 87-017-011-089 | | DIODE LT IN4003L |
| | 87-017-486-089 | | IC, BA6397FP | | 87-020-691-089 | | DIODE, 1SS132 |
| | 87-017-586-010 | | IC, CXD2518Q | | 87-020-125-089 | | C-DIODE, 1SS181 |
| | 87-017-194-010 | | IC, PLT104 | | 87-020-465-089 | | DIODE, 1SS133 |
| | 87-017-585-089 | | IC, NJM4580E | | 87-027-385-089 | | ZENER, HZ11A3L(TA) |
| | 87-017-941-019 | | IC, SPS422-1 H | | 87-017-147-089 | | ZENER, HZS33-2 |
| | 87-020-966-019 | | IC STK4142-MK2<EE, K, EZ, Z> | | 87-027-702-089 | | ZENER, HZ6C2L |
| | 87-001-582-019 | | IC, STK4152-2<HE, G, LH> | | 87-020-331-089 | | C-DIODE, DAN202K |
| | 87-017-738-019 | | IC, NJM2068LD | | 87-027-332-089 | | ZENER, HZ6B1L |
| | 87-001-982-019 | | IC, TA7291S | | 87-020-330-089 | | C-DIODE, DAP202K |
| | 87-017-887-010 | | IC, XR1090 ACP | | 87-001-559-089 | | DIODE 1SS131(T-72) |
| | 87-002-901-089 | | IC, BU4094 BF | | 87-001-290-089 | | ZENER, HZS6B1L |
| | 87-002-727-019 | | IC, NJM4558L | | 87-027-393-089 | | ZENER, HZ4C2 |
| | 87-002-872-080 | | IC, MC14053 BF | | 87-002-730-089 | | VARI-CAP SVC203SPA |
| | 87-001-874-019 | | IC, HA12134A | | 87-017-091-089 | | ZENER, HZS5C1 |
| | 87-017-673-019 | | IC, BA3837 | MAIN C.B | | | |
| | 87-017-449-010 | | IC, XR-C1071CP | | | | |
| | 87-002-444-019 | | IC, BU4094B | BPF831 | 87-030-105-010 | | FLTR, BPMB6A<EE, K, EZ, Z> |
| | 87-017-888-089 | | IC, NJM4558MD | C101 | 87-016-055-099 | | CAP-E 3300-42 |
| | 87-002-247-019 | | IC, BU4052B | C102 | 87-016-055-099 | | CAP-E 3300-42 |
| | 87-001-376-010 | | IC, LC7218 | C103 | 87-010-390-019 | | CAP, E 3300-25 SME |
| | 87-002-967-089 | | IC, BU4052 | C104 | 87-010-235-919 | | CAP, E 470-16 SME |
| | 87-001-607-089 | | IC, NJM4558L | | | | |
| | 87-017-714-019 | | IC, LA1836 | C105 | 87-010-381-089 | | CAP, E 330-16 SME |
| | 87-001-530-010 | | IC, LA3607 | C106 | 87-010-764-089 | | CAP, E 47-63V |
| | 87-001-528-010 | | IC, LC7522 | C107 | 87-010-392-089 | | CAP, E 33-35 SME |
| | 87-017-309-010 | | IC, M65830P | C108 | 87-010-406-089 | | CAP, E 22-50 SME |
| | 84-MA1-652-010 | | IC, LC866432V-5586 | C109 | 87-010-263-089 | | CAP, E 100-10 SME 5X11 |
| TRANSISTOR | | | | C112 | 87-010-237-919 | | CAP, E 1000-16 |
| | 89-110-154-089 | | TR, 2SA1015Y | C113 | 87-010-403-089 | | CAP, E 3.3-50 SME |
| | 89-113-187-889 | | TR, 2SA 1318 TU | C114 | 87-016-247-089 | | C-CAP, 0.1-50 F<EE, K, EZ, Z> |
| | 87-026-233-089 | | C-TR, DTA114TK | C115 | 87-016-247-089 | | C-CAP, 0.1-50 F |
| | 87-026-211-089 | | C-TR, DTA144EK | C116 | 87-012-140-089 | | C-CAP, S 470P-50 CH |
| | 89-316-236-089 | | TR, 2SC1623 L6 | | | | |
| | 89-213-702-019 | | TR, 2SB1370E | C117 | 87-016-247-089 | | C-CAP, 0.1-50 F<EE, K, EZ, Z> |
| | 87-026-609-089 | | TR, KTA1266GR | C118 | 87-016-247-089 | | C-CAP, 0.1-50 F |
| | 89-332-665-089 | | TR, 2SC3266GR | C119 | 87-018-205-089 | | CAP, TC-U 0.022-25 F |
| | 87-026-610-089 | | TR, KTC3198GR | C120 | 87-018-205-089 | | CAP, TC-U 0.022-25 F |
| | 89-111-625-089 | | C-TR, 2SA1162GR | C122 | 87-015-785-089 | | C-CAP, 0.1-25 F |
| | 89-333-266-089 | | C-TR, 2SC3326B | C152 | 87-010-374-089 | | CAP, E 47-10 |
| | 87-026-232-089 | | C-TR, DTA144WK | C201 | 87-012-369-089 | | C-CAP, S0.047-50F<EE, K, EZ, Z> |
| | 87-026-210-089 | | C-TR, DTC144EK T147 | C202 | 87-018-208-089 | | CAP, TC-U0.04750F<EE, K, EZ, Z> |
| | 89-213-293-089 | | TR, 2SB1329R (T105)<HE, G, LH> | C213 | 87-010-404-089 | | CAP, E 4.7-50 SME |
| | 89-318-154-089 | | TR, 2SC1815Y | C214 | 87-010-404-089 | | CAP, E 4.7-50 SME |
| | 89-333-317-089 | | TR, 2SC3331T | C215 | 87-010-182-089 | | C-CAP, S 2200P-50 B |
| | 89-406-555-089 | | TR, 2SD655E | C216 | 87-010-182-089 | | C-CAP, S 2200P-50 B |
| | 87-026-213-089 | | C-TR, DTC114YK | C217 | 87-010-404-089 | | CAP, E 4.7-50 SME |
| | 87-026-226-089 | | C-TR, DTA143EK | C218 | 87-010-404-089 | | CAP, E 4.7-50 SME |
| | 89-503-655-089 | | TR, FET 2SK365 GR, BL | C219 | 87-010-185-089 | | C-CAP, S 3900P-50 B |
| | 89-113-187-089 | | TR, 2SA1318TU | C220 | 87-010-185-089 | | C-CAP, S 3900P-50 B |
| | 89-327-126-089 | | C-TR, 2SC2712BL<EE, K, EZ, Z> | C221 | 87-010-400-089 | | CAP, E 0.47-50 SME |
| | 87-026-224-089 | | C-TR, DTC143XK | C222 | 87-010-400-089 | | CAP, E 0.47-50 SME |
| | 89-109-521-089 | | TR, 2SA952K | C223 | 87-010-260-089 | | CAP, E 47-25 SME |
| | 89-112-965-089 | | TR, 2SA1296GR | C224 | 87-010-260-089 | | CAP, E 47-25 SME |
| | 89-502-464-089 | | FET, 2SK246Y | C225 | 87-010-260-089 | | CAP, E 47-25 SME |
| | 87-026-214-089 | | TR, DTA114YS | C226 | 87-010-260-089 | | CAP, E 47-25 SME |
| | 89-327-143-089 | | C-TR, 2SC2714 (O) | C227 | 87-012-368-089 | | C-CAP S 0.1-50F |
| | 89-503-025-089 | | C-FET, 2SK302 GR | C228 | 87-012-368-089 | | C-CAP S 0.1-50F |
| | 89-502-115-089 | | C-FET, 2SK211GR<EE, K, EZ, Z> | C229 | 87-012-361-089 | | C-CAP, S 0.056-25 Y |
| | 89-505-434-589 | | C-FET, 2SK543(4/5) | C230 | 87-012-361-089 | | C-CAP, S 0.056-25 Y |
| | 87-026-463-089 | | TR, 2SA933S | C236 | 87-010-408-089 | | CAP, E 47-50 SME |
| DIODE | | | | C237 | 87-012-368-089 | | C-CAP S 0.1-50F<EE, K, EZ, Z> |
| | 87-002-564-089 | | DIODE 1SS133 | C238 | 87-012-368-089 | | C-CAP S 0.1-50F<EE, K, EZ, Z> |
| | 87-020-027-089 | | C-DIODE, 1SS184 | C243 | 87-010-154-089 | | C-CAP, S 10P-50 CH |
| | | | | C244 | 87-010-154-089 | | C-CAP, S 10P-50 CH |
| | | | | C245 | 87-010-194-089 | | C-CAP, S 0.047-25 F |
| | | | | C250 | 87-010-196-089 | | C-CAP, S 0.1-25 F |
| | | | | 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 |
| C415 | 87-012-154-089 | C-CAP,S | 150P-50 CH | C618 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C416 | 87-012-154-089 | C-CAP,S | 150P-50 CH | C619 | 87-010-184-089 | C-CAP,S | 3300P-50 B |
| C451 | 87-012-156-089 | C-CAP,S | 220P-50 CH | C620 | 87-010-184-089 | C-CAP,S | 3300P-50 B |
| C452 | 87-012-156-089 | C-CAP,S | 220P-50 CH | C621 | 87-012-155-089 | C-CAP,S | 180P-50 CH |
| C453 | 87-010-178-089 | C-CAP,S | 1000P-50 B | C622 | 87-012-155-089 | C-CAP,S | 180P-50 CH |
| C454 | 87-010-178-089 | C-CAP,S | 1000P-50B<EE,K,EZ,Z> | C623 | 87-010-405-089 | CAP,E | 10-50 SME |
| C455 | 87-010-178-089 | C-CAP,S | 1000P-50B<EE,K,EZ,Z> | C624 | 87-010-405-089 | CAP,E | 10-50 SME |
| C456 | 87-010-260-089 | CAP,E | 47-25 SME | C630 | 87-010-405-089 | CAP,E | 10-50 SME |
| C457 | 87-010-197-089 | C-CAP,S | 0.01-25 B | C631 | 87-010-401-089 | CAP,E | 1-50 SME |
| C458 | 87-010-183-089 | C-CAP,S | 2700P-50 B | C640 | 87-010-196-089 | C-CAP,S | 0.1-25 F |
| C459 | 87-010-183-089 | C-CAP,S | 2700P-50 B | C641 | 87-010-196-089 | C-CAP,S | 0.1-25 F |
| C460 | 87-010-183-089 | C-CAP,S | 2700P-50 B | C645 | 87-012-142-089 | C-CAP,S | 0.33-16 F |
| C470 | 87-010-196-089 | C-CAP,S | 0.1-25 F | C646 | 87-012-142-089 | C-CAP,S | 0.33-16 F |
| C501 | 87-010-196-089 | C-CAP,S | 0.1-25 F | C647 | 87-012-142-089 | C-CAP,S | 0.33-16 F |
| C502 | 87-010-196-089 | C-CAP,S | 0.1-25 F | C648 | 87-012-142-089 | C-CAP,S | 0.33-16 F |
| C503 | 87-012-155-089 | C-CAP,S | 180P-50 CH | C701 | 87-010-381-089 | CAP,E | 330-16 SME |
| C504 | 87-012-155-089 | C-CAP,S | 180P-50 CH | C702 | 87-010-404-089 | CAP,E | 4.7-50 SME |
| C507 | 87-010-178-089 | C-CAP,S | 1000P-50 B | C703 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C508 | 87-010-178-089 | C-CAP,S | 1000P-50 B | C704 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C509 | 87-010-371-089 | CAP,E | 470-6.3 | C711 | 87-010-263-089 | CAP,E | 100-10 SME 5X11 |
| C515 | 87-010-545-089 | CAP,E | 0.22-50 SME | C712 | 87-010-196-089 | C-CAP,S | 0.1-25 F |
| C516 | 87-010-545-089 | CAP,E | 0.22-50 SME | C722 | 87-010-151-089 | C-CAP,S | 7P-50 CH |
| C517 | 87-012-142-089 | C-CAP,S | 0.33-16 F | C723 | 87-010-178-089 | C-CAP,S | 1000P-50 B |
| C518 | 87-012-142-089 | C-CAP,S | 0.33-16 F | C724 | 87-010-178-089 | C-CAP,S | 1000P-50 B |
| C519 | 87-010-196-089 | C-CAP,S | 0.1-25 F | C725 | 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> | C726 | 87-010-178-089 | C-CAP,S | 1000P-50 B |
| C521 | 87-010-197-089 | C-CAP,S | 0.01-25 | C727 | 87-010-194-089 | C-CAP,S | 0.047-25 F |
| C522 | 87-010-318-089 | C-CAP,S | 47P-50 CH | C728 | 87-010-248-089 | CAP,E | 220-10 SME |
| C523 | 87-010-197-089 | C-CAP,S | 0.01-25 B | C732 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C524 | 87-010-402-089 | CAP,E | 2.2-50 SME | C771 | 87-010-405-089 | CAP,E | 10-50 SME |
| C525 | 87-010-322-089 | C-CAP,S | 100P-50CH<EE,K,EZ,Z> | C772 | 87-010-194-089 | C-CAP,S | 0.047-25 F |
| C526 | 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 |
| C530 | 87-010-194-089 | C-CAP,S | 0.047-25 F | C774 | 87-010-263-089 | CAP,E | 100-10 SME 5X11 |
| C531 | 87-010-545-089 | CAP,E | 0.22-50 SME | C775 | 87-010-405-089 | CAP,E | 10-50 SME |
| C532 | 87-010-382-089 | CAP,E | 22-25 SME | C776 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C533 | 87-010-404-089 | CAP,E | 4.7-50 SME | C777 | 87-010-400-089 | CAP,E | 0.47-50 SME |
| C534 | 87-010-404-089 | CAP,E | 4.7-50 SME | C778 | 87-010-401-089 | CAP,E | 1-50 SME |
| C535 | 87-010-404-089 | CAP,E | 4.7-50 SME | C779 | 87-010-401-089 | CAP,E | 1-50 SME |
| C536 | 87-010-404-089 | CAP,E | 4.7-50 SME | C780 | 87-010-197-089 | C-CAP,S | 0.01-25 B |
| C537 | 87-010-196-089 | C-CAP,S | 0.1-25 F | C781 | 87-010-405-089 | CAP,E | 10-50 SME |
| | | | | 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,CFAZ-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> | C206 | 87-010-248-049 | | CAP,E 220-10 SME |
| CF803 | 82-785-747-019 | CF,MS2 GHY,R | <EE,K,EZ,Z> | C207 | 87-010-071-089 | | CAP,E 1-50 5L |
| CF803 | 87-008-261-019 | FLTR,SFE10.7MA5-A | <HE,G,LH> | C208 | 87-010-196-089 | | C-CAP,S 0.1-25 F |
| J250 | 87-099-630-019 | JACK, | 6.3 (KM) | | | | |

| 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 |
| S326 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C34 | 87-010-197-089 | | C-CAP,S 0.01-25 B |
| S327 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C35 | 87-010-381-089 | | CAP,E 330-16 SME |
| S327 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C36 | 87-010-196-089 | | C-CAP,S 0.1-25 F |
| S328 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | | | | |
| S328 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C37 | 87-010-260-089 | | CAP,E 47-25 SME |
| | | | | 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 |
| | | | | C102 | 87-010-180-089 | | C-CAP,S 1500P-50 B |
| | | | | C103 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 |
| S331 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | | | | |
| S332 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C104 | 87-010-197-089 | | C-CAP,S 0.01-25 B |
| S332 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C105 | 87-015-818-089 | | C-CAP,4700P |
| S341 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C106 | 87-012-156-089 | | C-CAP,S 220P-50 CH |
| S341 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C107 | 87-010-197-089 | | C-CAP,S 0.01-25 B |
| | | | | C108 | 87-010-400-089 | | CAP,E 0.47-50 SME |
| S342 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | | | | |
| S342 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C112 | 87-010-154-089 | | C-CAP,S 10P-50 CH |
| S343 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C113 | 87-010-154-089 | | C-CAP,S 10P-50 CH |
| S343 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C114 | 87-010-314-089 | | C-CAP,S 22P-50 CH |
| S344 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C115 | 87-010-404-089 | | CAP,E 4.7-50 SME |
| | | | | C116 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 |
| S344 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | | | | |
| S345 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C117 | 87-010-194-089 | | C-CAP,S 0.047-25 F |
| S345 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C118 | 87-010-154-089 | | C-CAP,S 10P-50 CH |
| S346 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C120 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 |
| S346 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C121 | 87-010-197-089 | | C-CAP,S 0.01-25 B |
| | | | | C122 | 87-010-196-089 | | C-CAP,S 0.1-25 F |
| S347 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | | | | |
| S347 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C201 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| S348 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C202 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| S348 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C203 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| S349 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C204 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| | | | | C205 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| S349 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | | | | |
| S350 | 87-036-170-089 | | SW,TACT<EE,K,EZ,Z> | C206 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| S350 | 87-036-215-089 | | SW,TACT EVQ21404M<HE,G,LH> | C207 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| VR601 | 83-MA1-661-019 | | VR,SL 10KB | C208 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| VR602 | 87-024-649-019 | | VR,20KA RK11K1130 | C209 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| | | | | C210 | 87-012-153-089 | | C-CAP,S 120P-50 CH |
| VR801 | 82-MA2-634-019 | | VR,50KB C.C.C.T | | | | |
| W201 | 84-MA1-692-019 | | CABLE,FFC 14P 1.25 | C211 | 87-010-401-089 | | CAP,E 1-50 SME |
| W801 | 84-MA1-686-019 | | F-CABLE, 6P-2.0 | C212 | 87-010-401-089 | | CAP,E 1-50 SME |
| X201 | 87-030-345-080 | | VIB,CER CST 5.76MGW | C213 | 87-010-186-089 | | C-CAP,S 4700P-50 B |
| | | | | C214 | 87-010-186-089 | | C-CAP,S 4700P-50 B |
| | | | | C231 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 |
| CD.CB | | | | | | | |
| C1 | 87-010-188-089 | | C-CAP,S 6800P-50 B | | | | |
| C2 | 87-010-196-089 | | C-CAP,S 0.1-25 F | C232 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 |
| C3 | 87-010-196-089 | | C-CAP,S 0.1-25 F | C301 | 87-010-178-089 | | C-CAP,S 1000P-50 B |
| C4 | 87-010-196-089 | | C-CAP,S 0.1-25 F | C304 | 87-010-197-089 | | C-CAP,S 0.01-25 B |
| C5 | 87-010-404-089 | | CAP,E 4.7-50 SME | C305 | 87-010-260-089 | | CAP,E 47-25 SME |
| | | | | C306 | 87-012-141-089 | | C-CAP,S 0.22-16 F |
| C6 | 87-010-594-089 | | C-CAP,S 0.033-16 RK | | | | |
| C7 | 87-010-197-089 | | C-CAP,S 0.01-25 B | C307 | 87-010-178-089 | | C-CAP,S 1000P-50 B |
| C8 | 87-010-403-089 | | CAP,E 3.3-50 SME | C308 | 87-010-178-089 | | C-CAP,S 1000P-50 B |
| C9 | 87-010-382-089 | | CAP,E 22-25 SME | C340 | 88-130-399-089 | | RES,3.9-1/4WJ |
| C10 | 87-010-260-089 | | CAP,E 47-25 SME | L1 | 87-003-295-089 | | COIL,10UH |
| | | | | SFR1 | 87-024-176-089 | | SFR,100K DIA6 V |
| C11 | 87-010-197-089 | | C-CAP,S 0.01-25 B | | | | |
| C12 | 87-010-193-089 | | C-CAP,S 0.033-25 F | SFR2 | 87-024-173-089 | | SFR 22K DIA6 V |
| C13 | 87-010-197-089 | | C-CAP,S 0.01-25 B | SFR3 | 87-024-176-089 | | SFR,100K DIA6 V |
| C14 | 87-010-193-089 | | C-CAP,S 0.033-25 F | W301 | 83-NF5-631-019 | | F-CABLE,6-2.0 300 |
| C15 | 87-010-182-089 | | C-CAP,S 2200P-50 B | W501 | 83-NF5-644-019 | | F-CABLE 2-2.0-230 |
| | | | | X101 | 87-030-374-019 | | VIB,XTAL 33.8688 MHZ |
| C21 | 87-010-198-089 | | C-CAP,S 0.022-25 B | | | | |
| C22 | 87-010-196-089 | | C-CAP,S 0.1-25 F | DSP C.B | | | |
| C23 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 | | | | |
| C24 | 87-010-178-089 | | C-CAP,S 1000P-50 B | C735 | 87-010-402-089 | | CAP,E 2.2-50 SME |
| C25 | 87-010-197-089 | | C-CAP,S 0.01-25 B | C736 | 87-010-402-089 | | CAP,E 2.2-50 SME |
| | | | | C738 | 87-010-370-089 | | CAP,E 330-6.3 SME |
| C26 | 87-010-260-089 | | CAP,E 47-25 SME | C741 | 87-010-192-089 | | C-CAP,S 0.022-50 F |
| C27 | 87-010-196-089 | | C-CAP,S 0.1-25 F | C745 | 87-016-073-089 | | CAP,E 1-50 FX |
| C28 | 87-010-263-089 | | CAP,E 100-10 SME 5X11 | | | | |

| 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 | △ F101 | 87-033-147-019 | | CLAMP, FUSE<HE, LH> |
| C917 | 87-010-179-089 | | C-CAP, S 1200P-50 B | △ PT101 | 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 | | | | |
| C922 | 87-010-196-089 | | C-CAP, S 0.1-25 F | RELAY-1 C. B | | | |
| C923 | 87-010-187-089 | | 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, GP1853V |
| 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 | | | | |

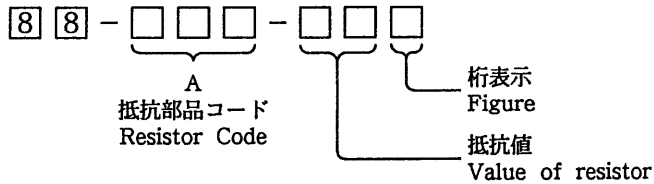
REF. NO. PART NO. KANRI DESCRIPTION
NO.

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

| Wattage 容量 | Type 種類 | Tolerance 許容誤差 | Symbol 記号 | Dimensions/寸法 (mm) | | | Resistor Code : A 抵抗コード : A | |
|---------------|------------|-------------------|--------------|--------------------|-----|------|--------------------------------|-----|
| | | | | 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. |

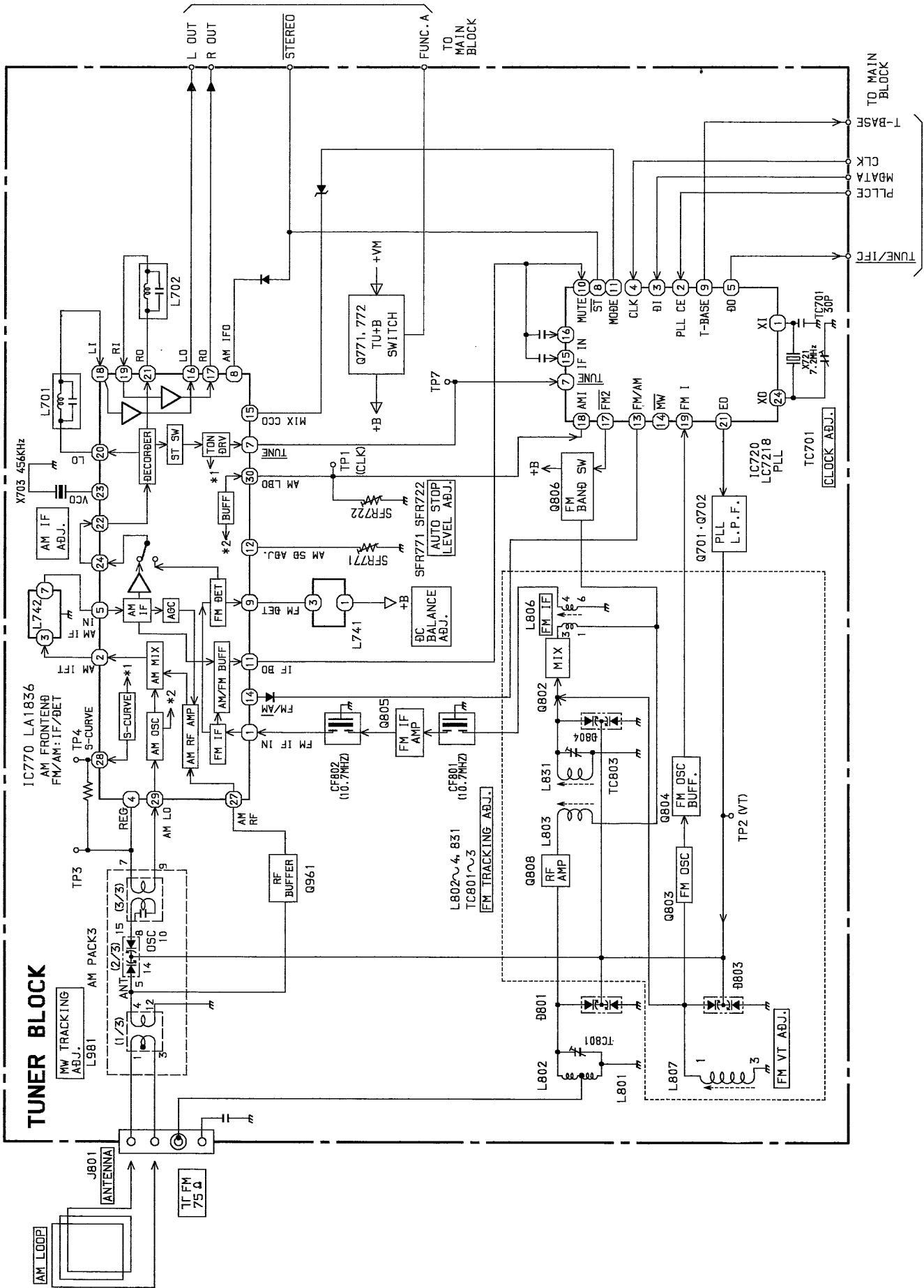
Table -1. Filter Select Table

| 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 |

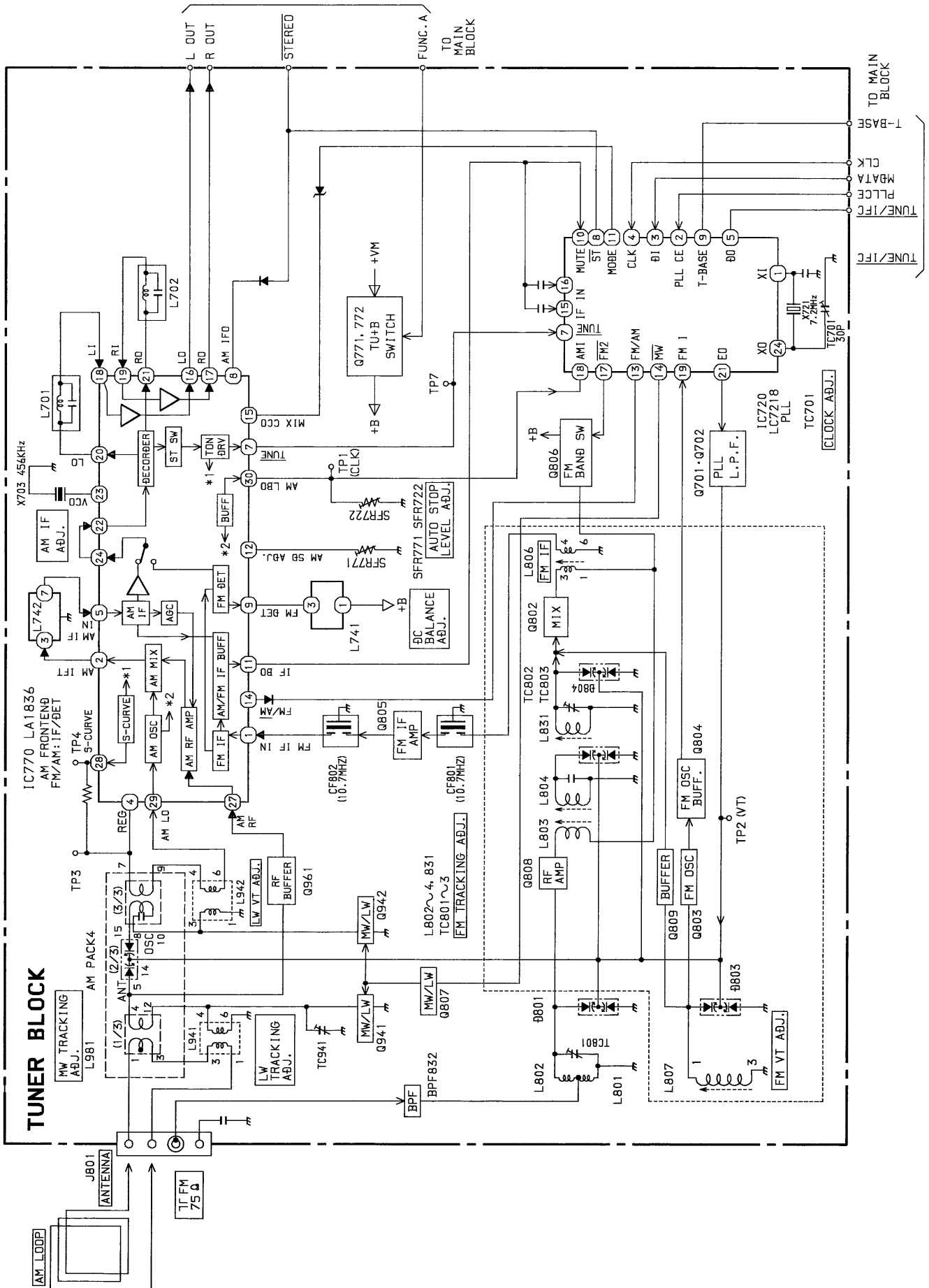
IC, LC7218

| 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. |

BLOCK DIAGRAM - 1 (TUNER : HE,G,LH)

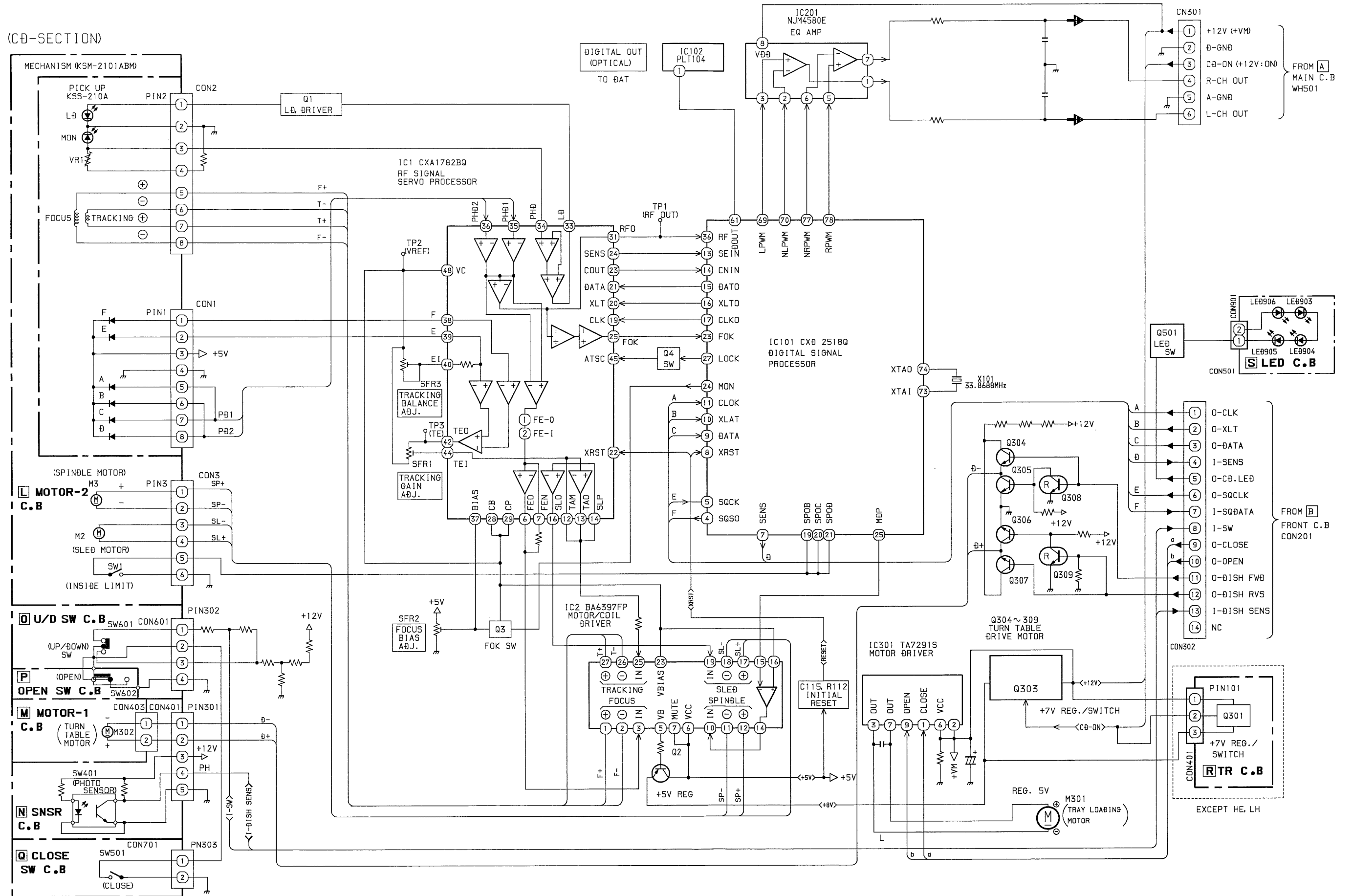


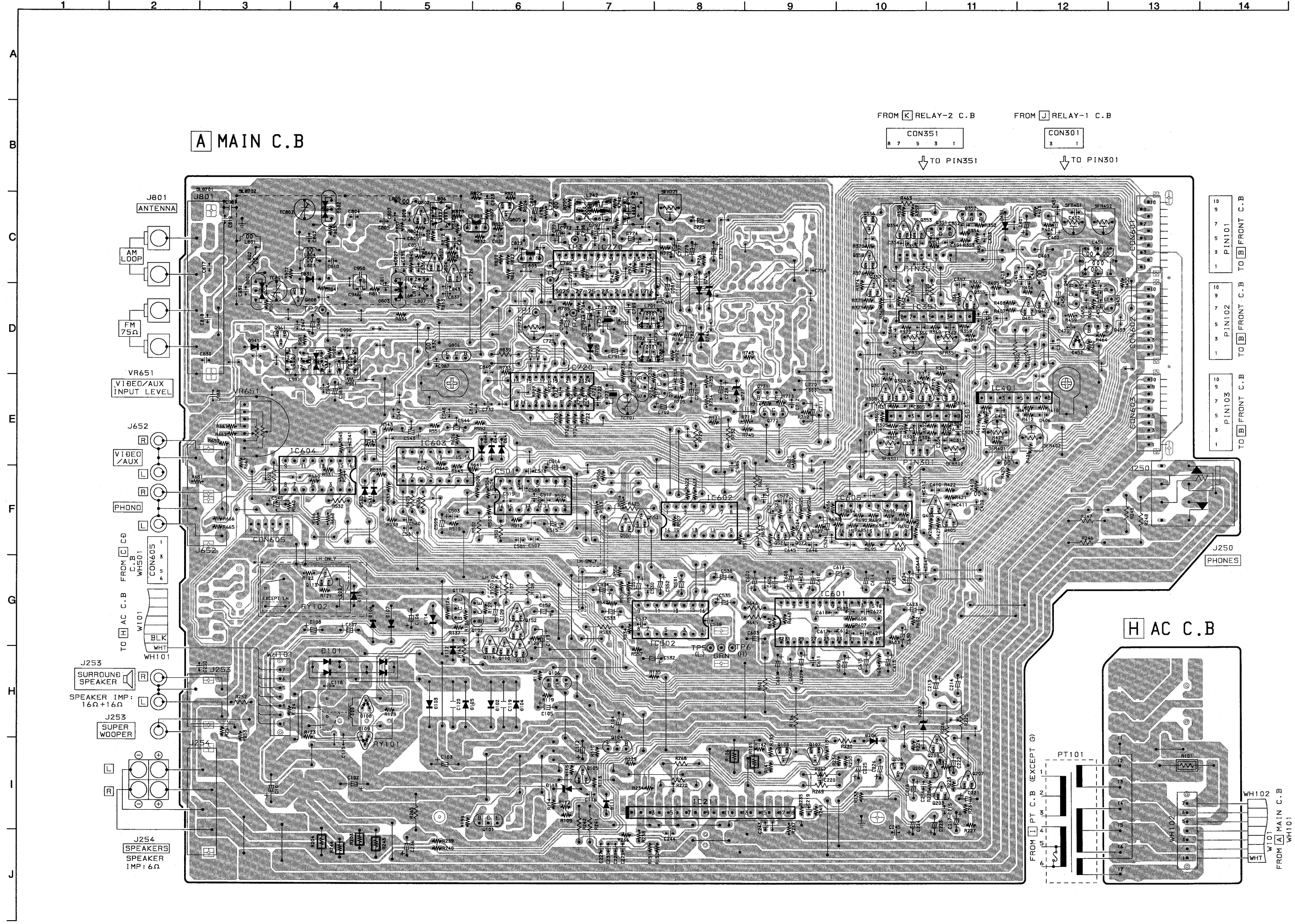
BLOCK DIAGRAM - 2 (TUNER : EE,K,EZ,Z)



BLOCK DIAGRAM - 5 (CD)

(CD-SECTION)





A MAIN C.B

FROM K RELAY-2 C.B
CON351
8 7 5 3 1
↓ TO PIN351

FROM J RELAY-1 C.B
CON301
3 1
↓ TO PIN301

10 9 7 5 3 1
PIN101 TO FRONT C.B

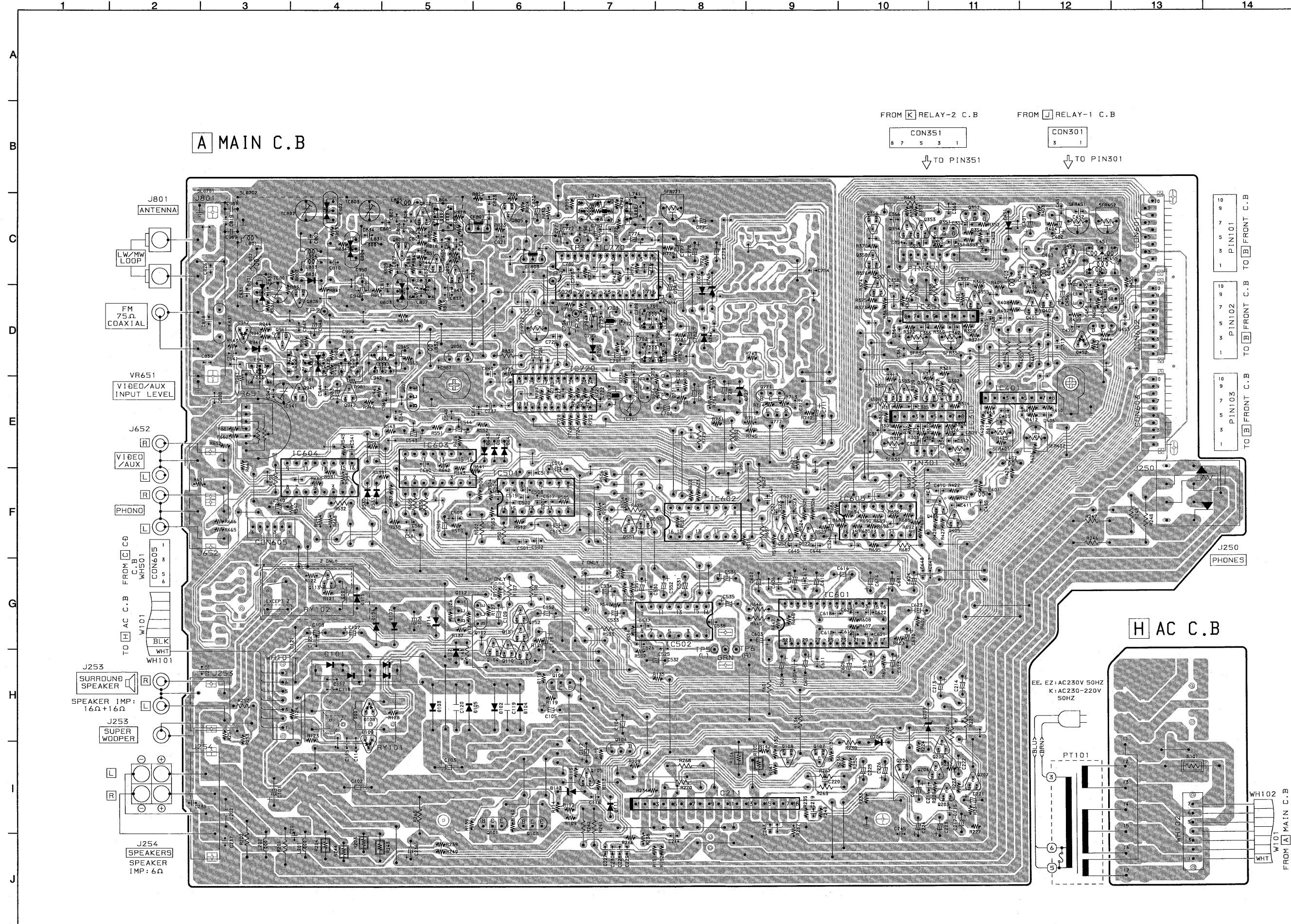
10 9 7 5 3 1
PIN102 TO FRONT C.B

10 9 7 5 3 1
PIN103 TO FRONT C.B

H AC C.B

FROM I PT C.B (EXCEPT G)
1 2 3 4 5 6
PT101

WH102
FROM MAIN C.B
WH101



A MAIN C.B

FROM K RELAY-2 C.B
 CON351
 8 7 5 3 1
 ↓ TO PIN351

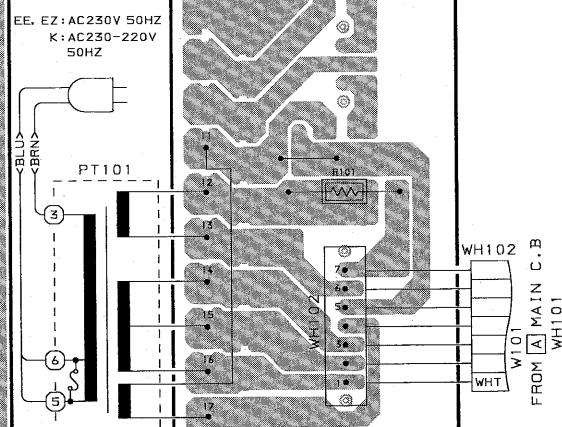
FROM J RELAY-1 C.B
 CON301
 3 1
 ↓ TO PIN301

10 9 7 5 3 1
 PIN101 TO FRONT C.B TO FRONT C.B

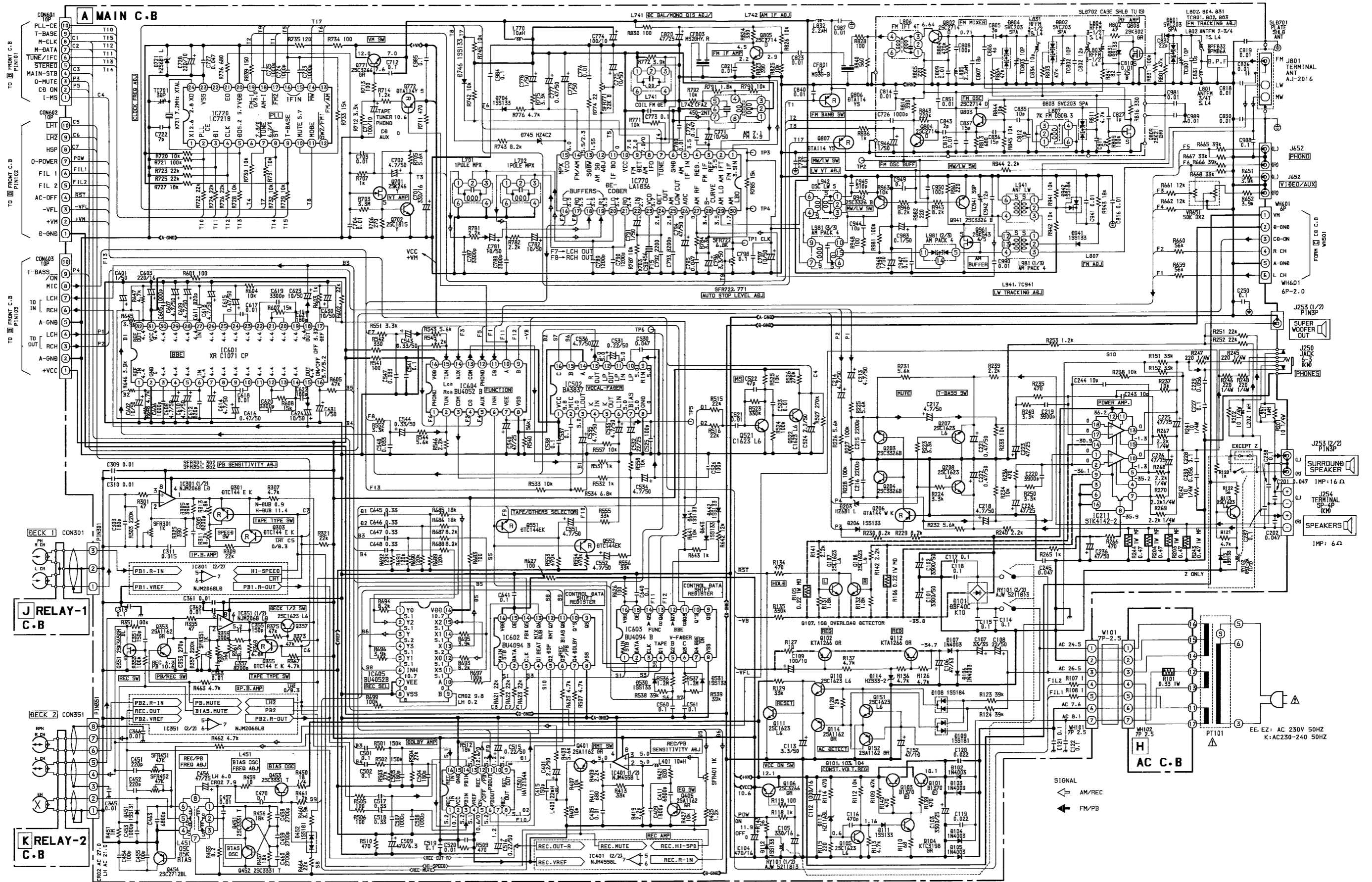
10 9 7 5 3 1
 PIN102 TO FRONT C.B TO FRONT C.B

10 9 7 5 3 1
 PIN103 TO FRONT C.B TO FRONT C.B

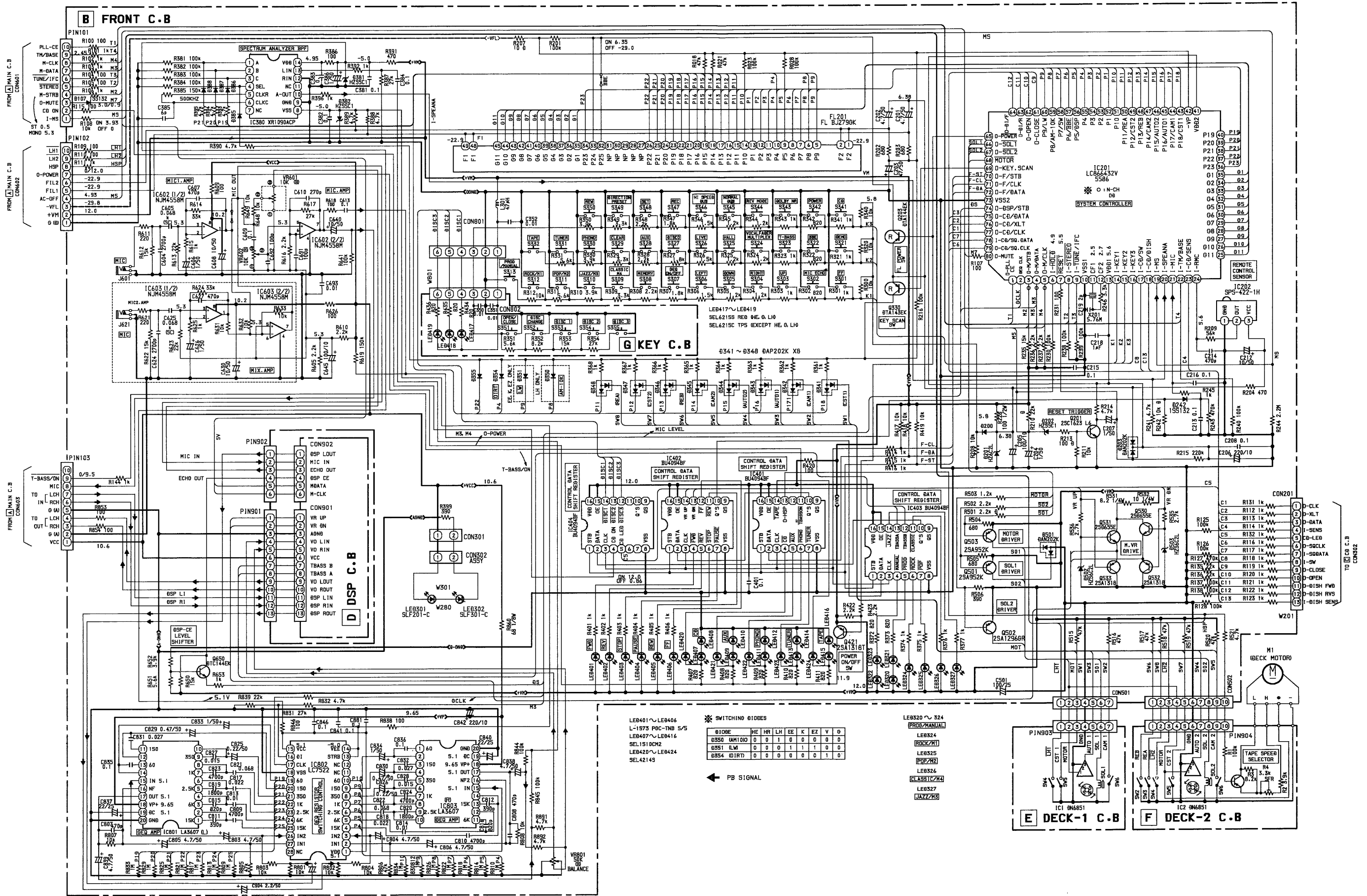
H AC C.B

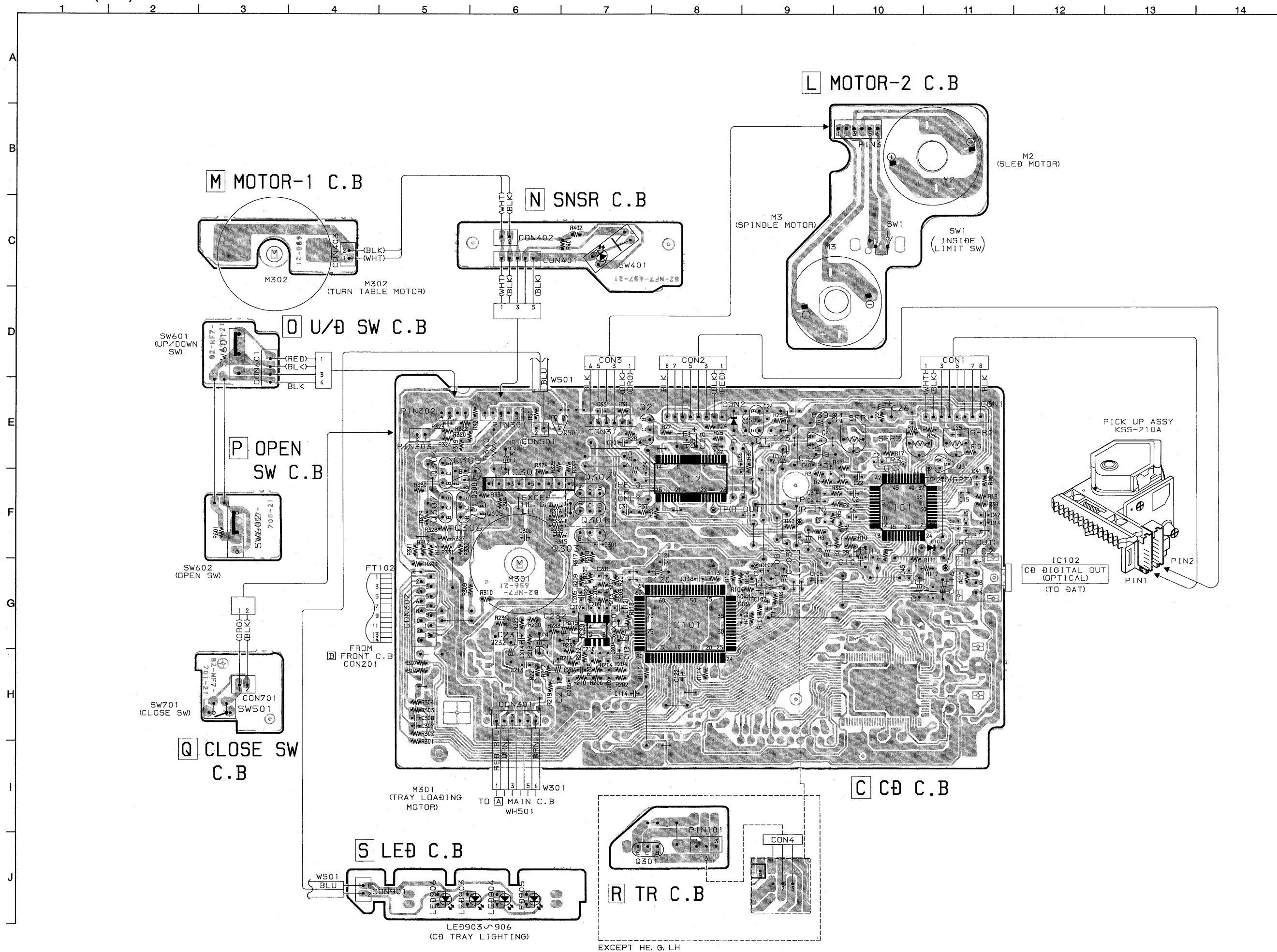


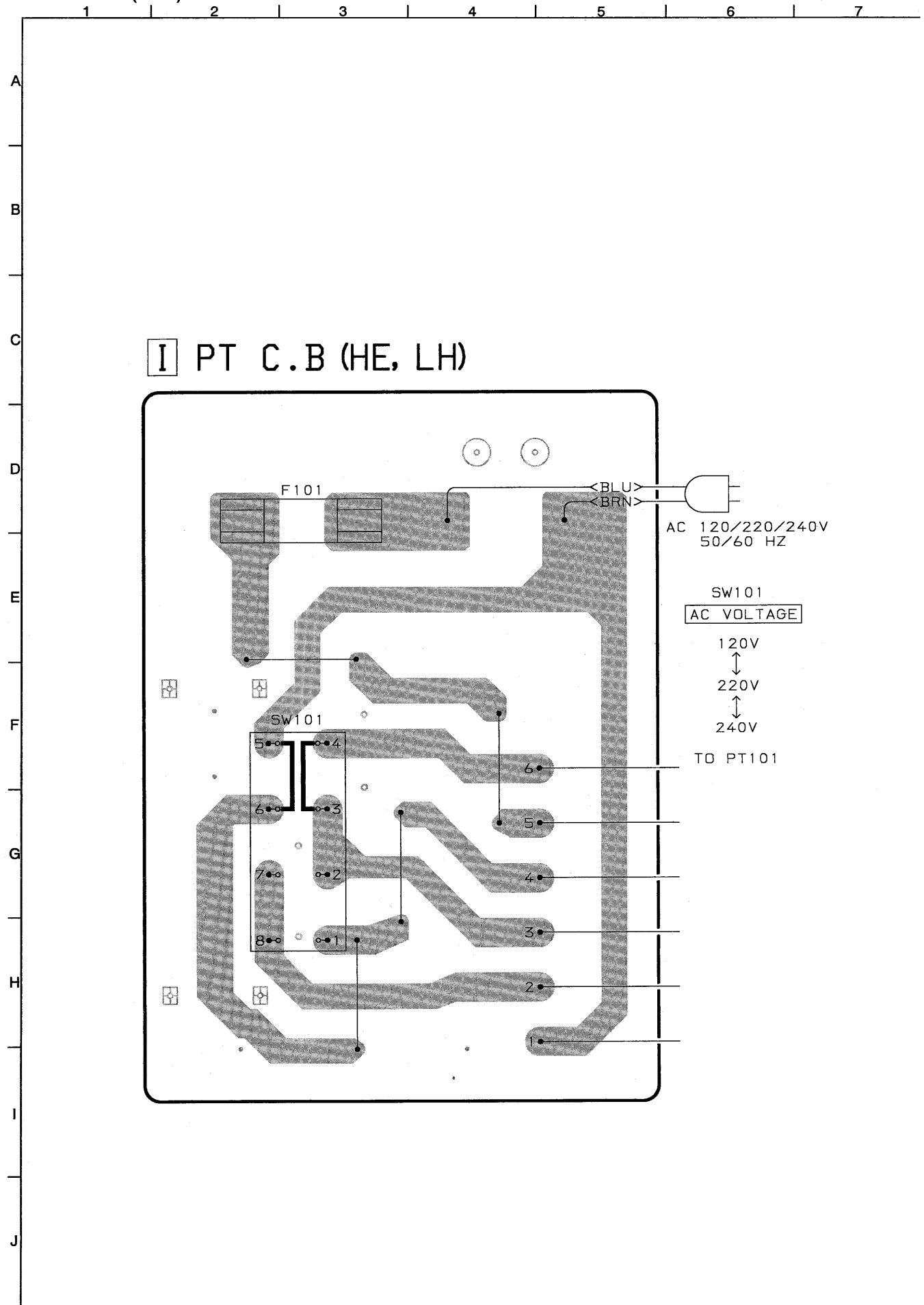
SCHEMATIC DIAGRAM - 2 (MAIN : EE,K,EZ,Z)



SCHEMATIC DIAGRAM - 3 (FRONT)

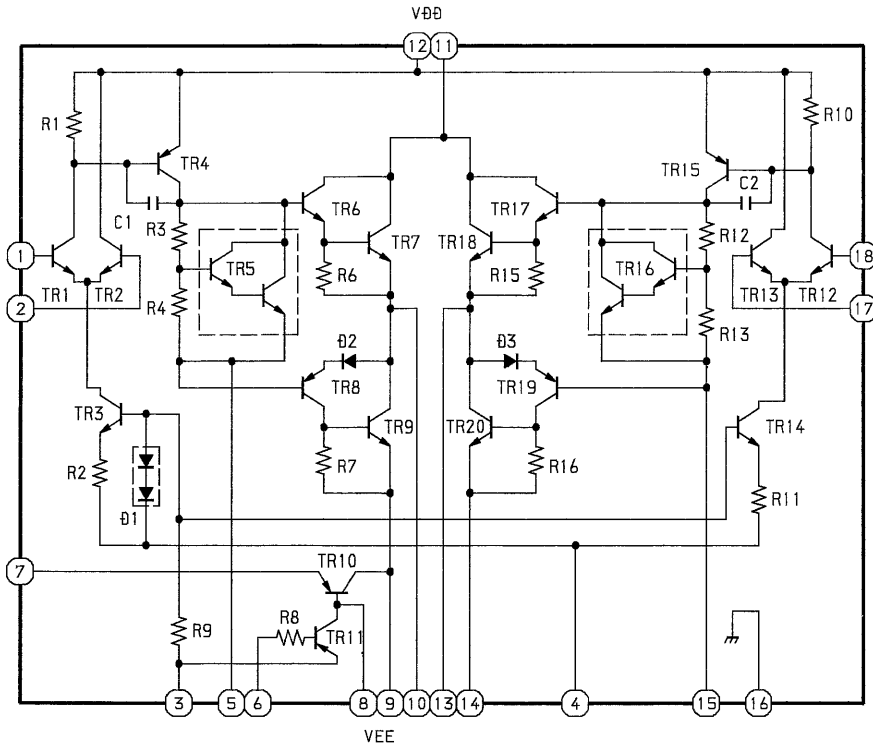




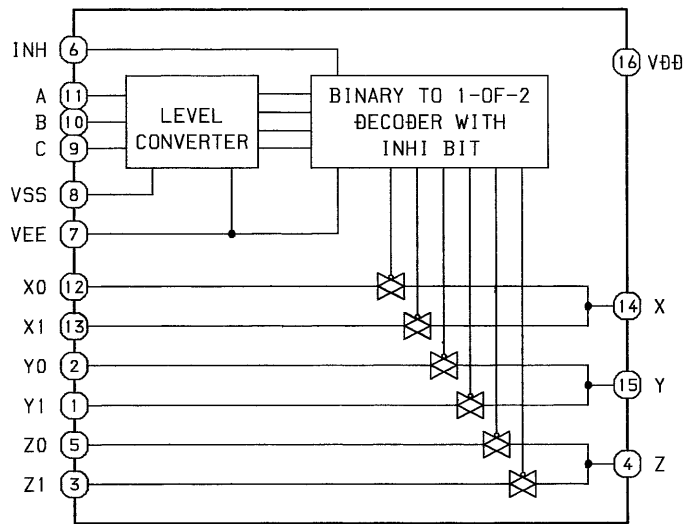


IC BLOCK DIAGRAM

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



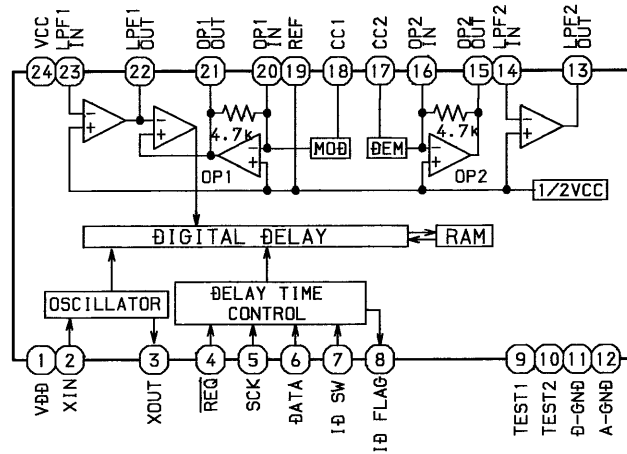
IC,MC14053BF



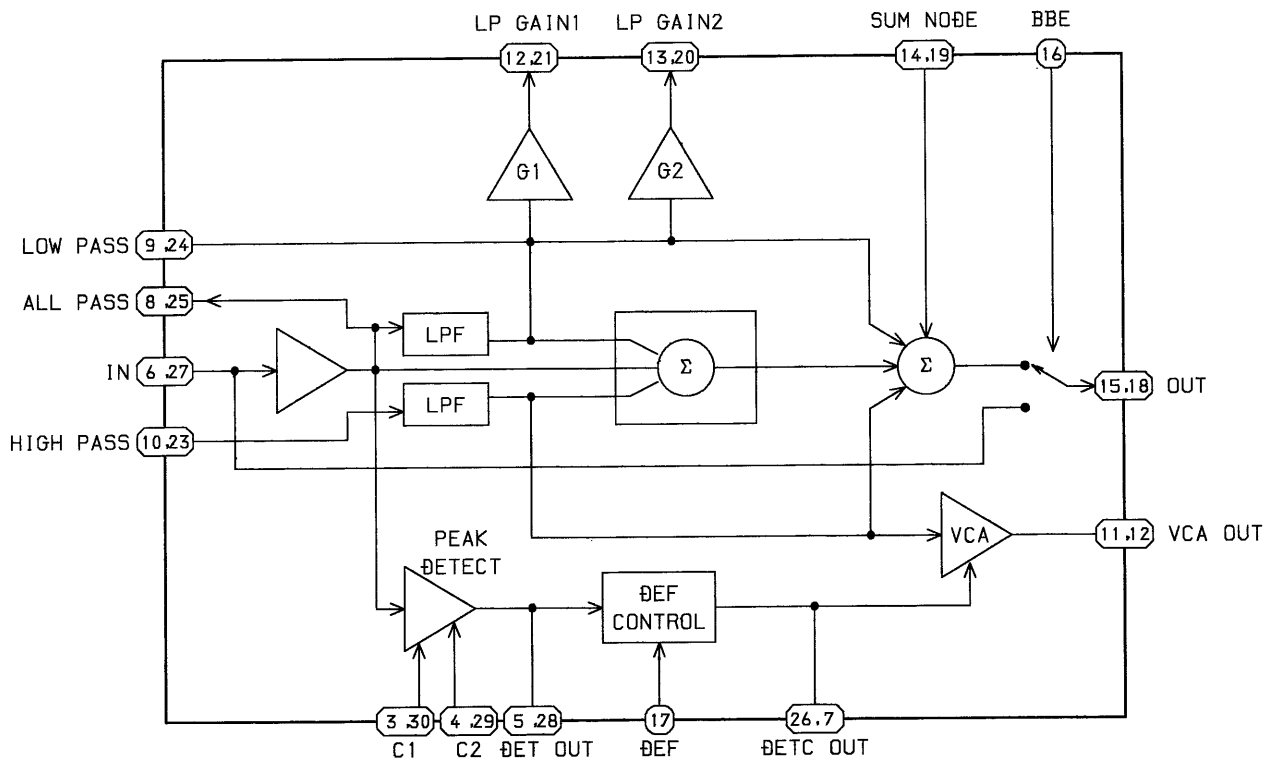
LOGIC TABLE

| CONTROL INPUT | | | ON SWITCHES | | | |
|---------------|--------|---|-------------|-----------|----|----|
| INH BIT | SELECT | | | MC14053BF | | |
| | C | B | A | Z0 | Y0 | X0 |
| 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 | | |

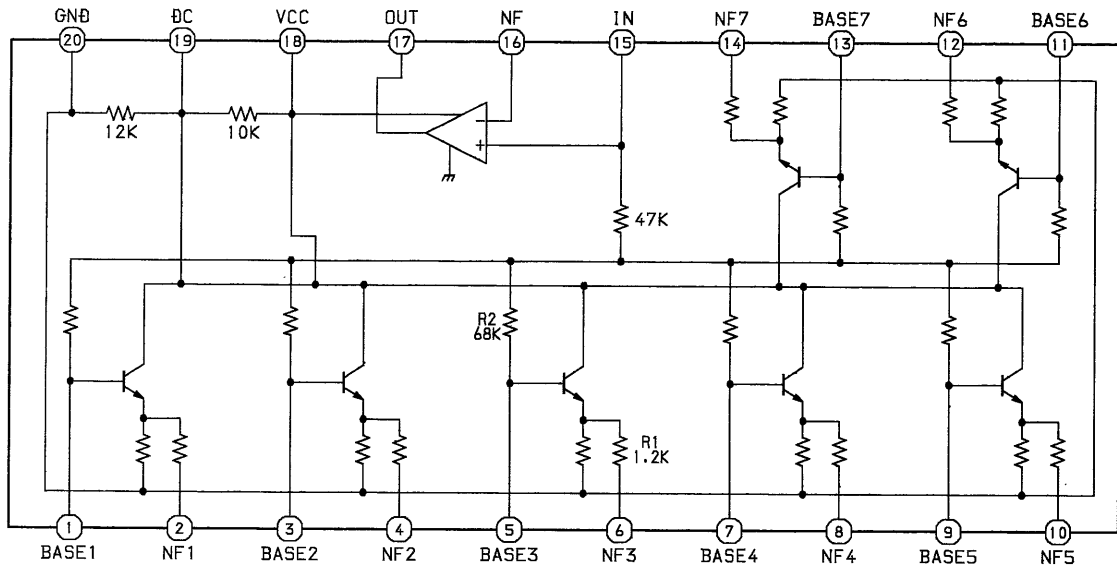
IC,M65830P



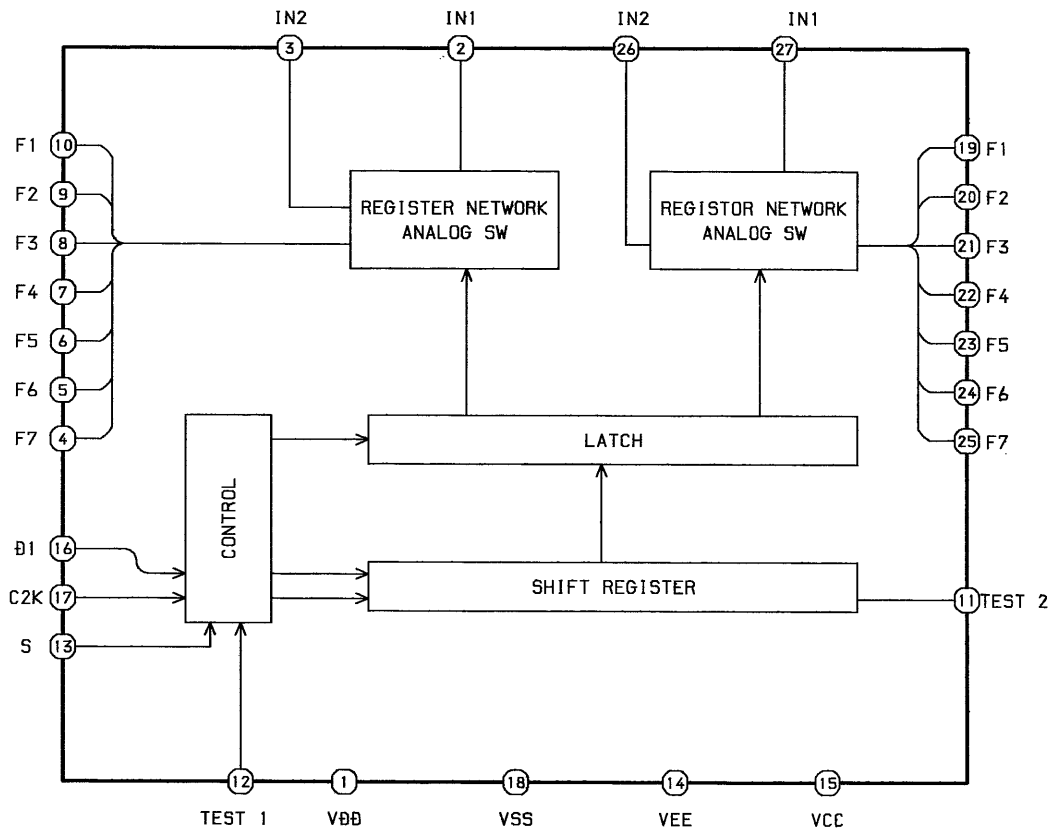
IC,XR1071CP

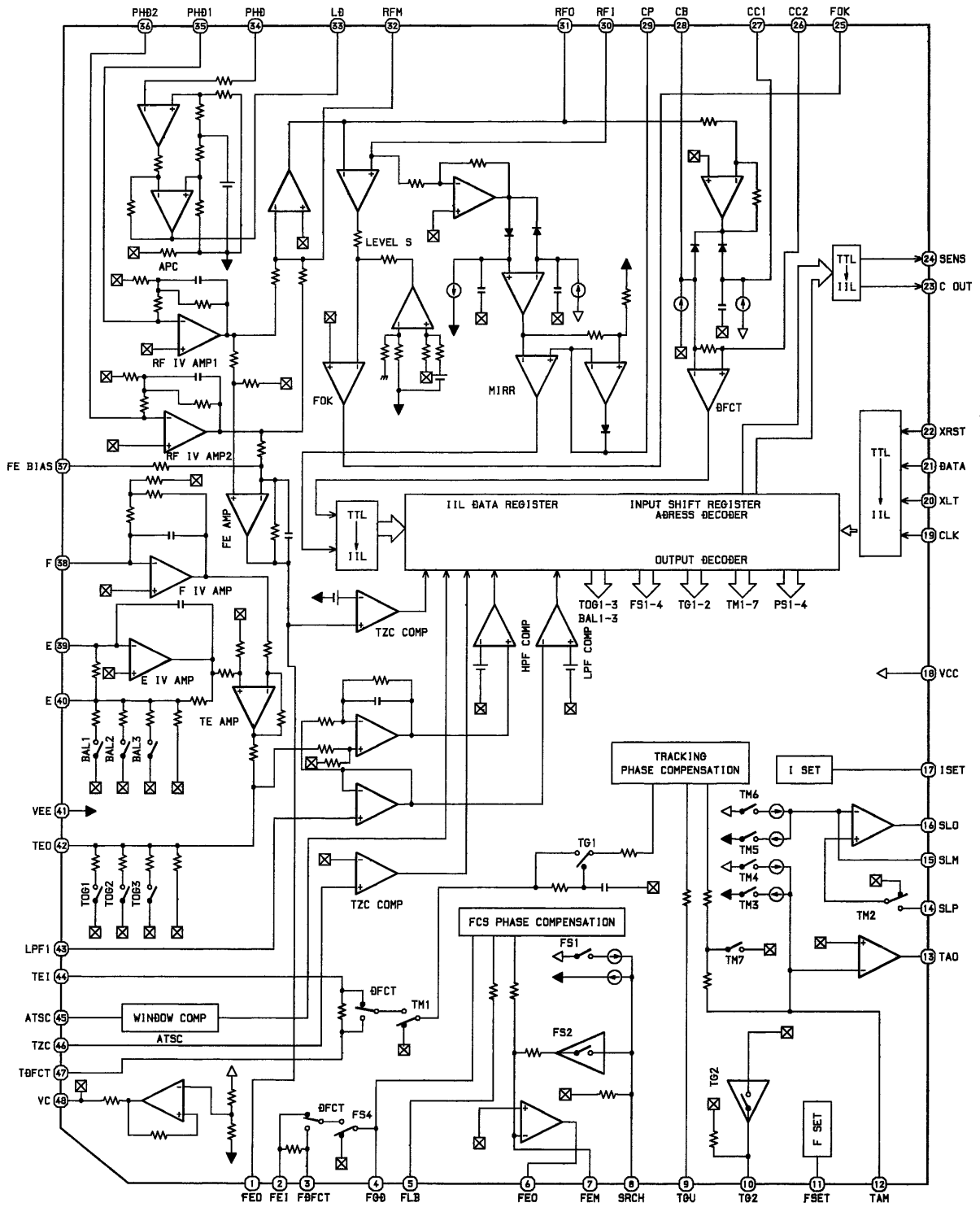


IC,LA3607

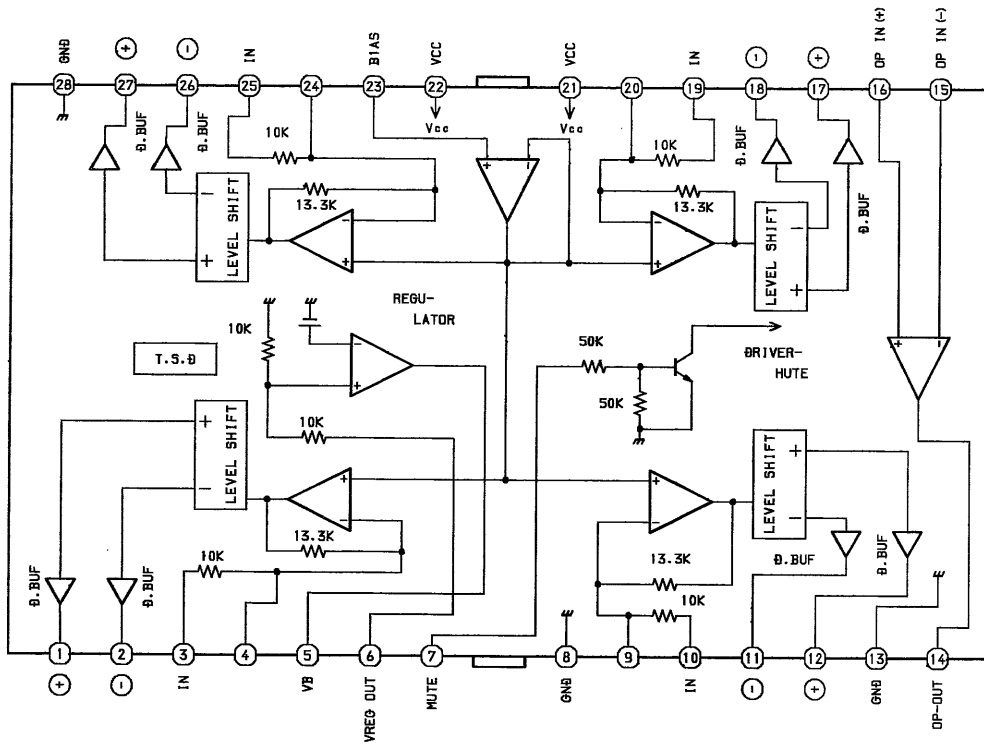


IC,LC7522

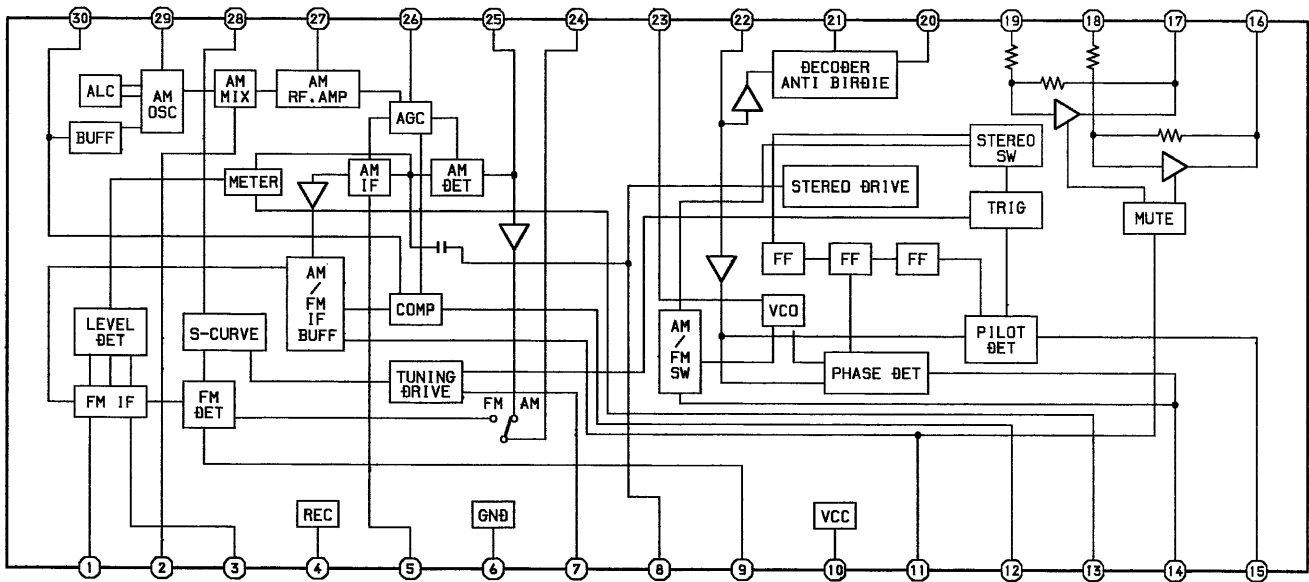




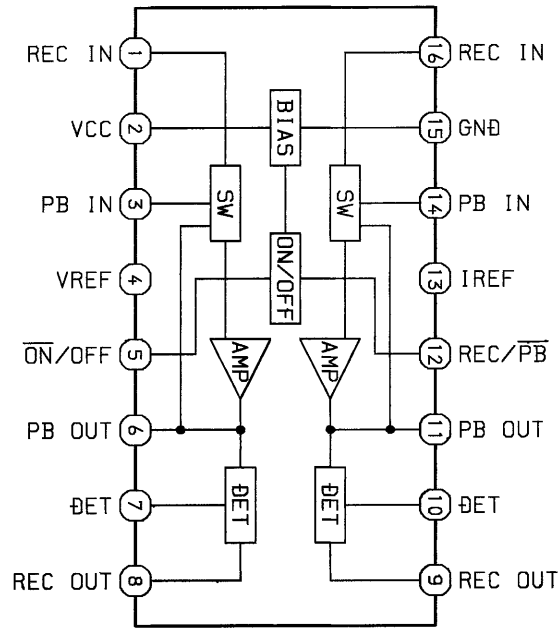
IC,BA6397FP



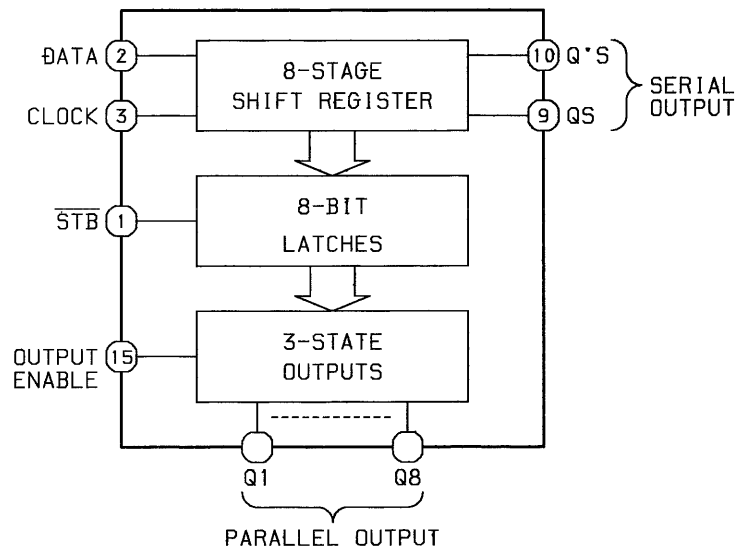
IC,LA1836



IC,HA12134A



IC,BU4094B
IC,BU4094BF

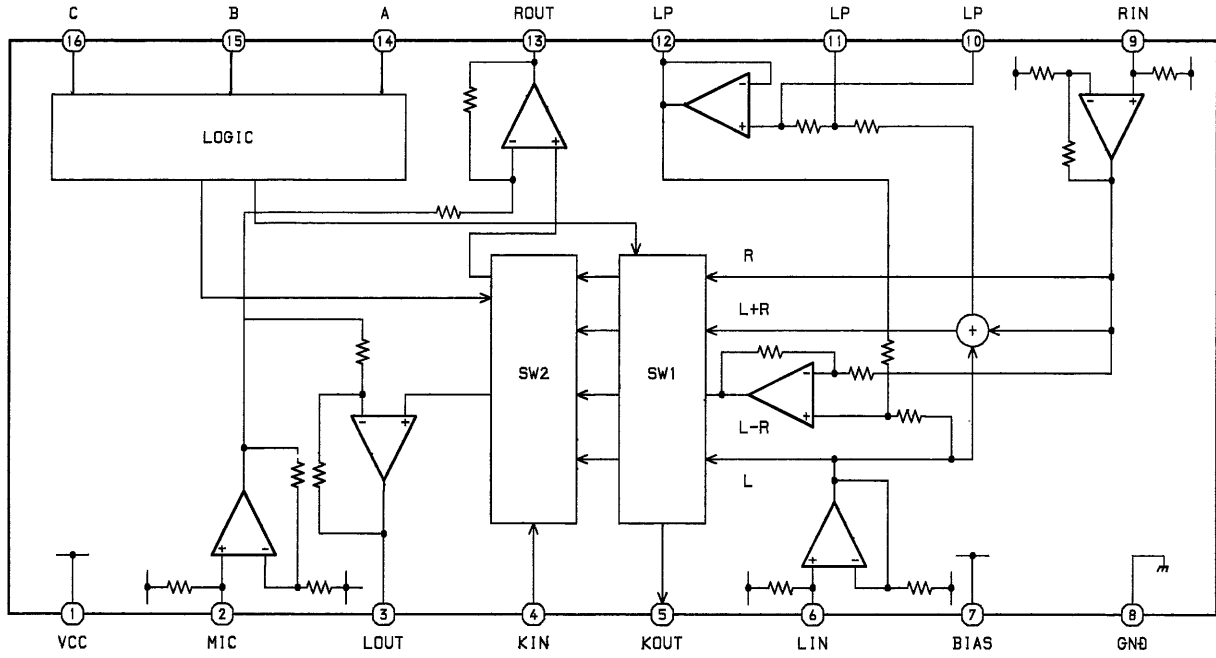


TRUTH TABLE

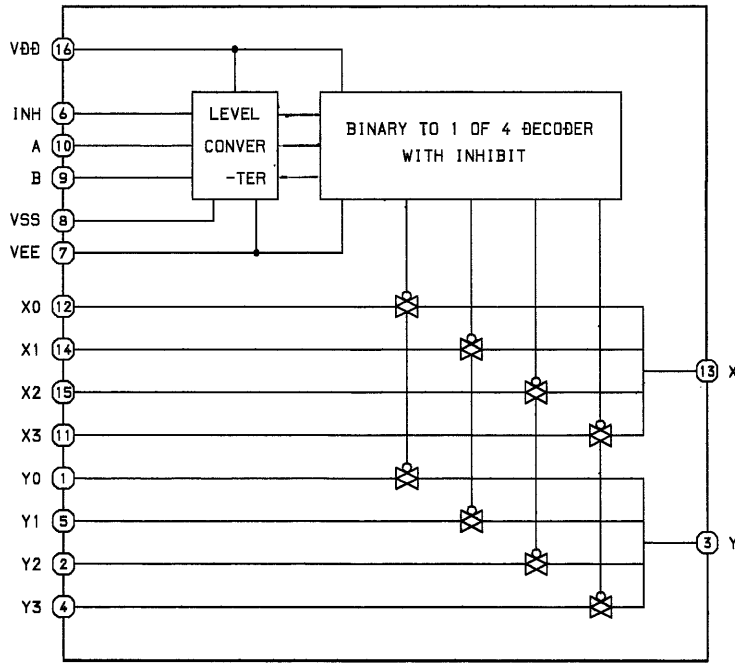
| CLOCK | OUTPUT ENABLE | STROBE | DATA | PARALLEL OUTPUTS | | SERIAL OUTPUTS | |
|--------------|---------------|--------|------|------------------|------------------|----------------|---------|
| | | | | Q1 | Q _n | QS | Q'S |
| \downarrow | L | x | x | Z | Z | Q7 | NO CHG. |
| \uparrow | L | x | x | Z | Z | NO CHG. | QS |
| \downarrow | H | L | x | NO CHG. | NO CHG. | Q7 | NO CHG. |
| \downarrow | H | H | L | L | Q _{n-1} | Q7 | NO CHG. |
| \downarrow | H | H | H | H | Q _{n-1} | Q7 | NO CHG. |
| \uparrow | H | x | x | NO CHG. | NO CHG. | NO CHG. | QS |

Z = HIGH IMPEDANCE
x = DON'T CARE

IC,BA3837



IC,BU4052B
IC,BU4052BF

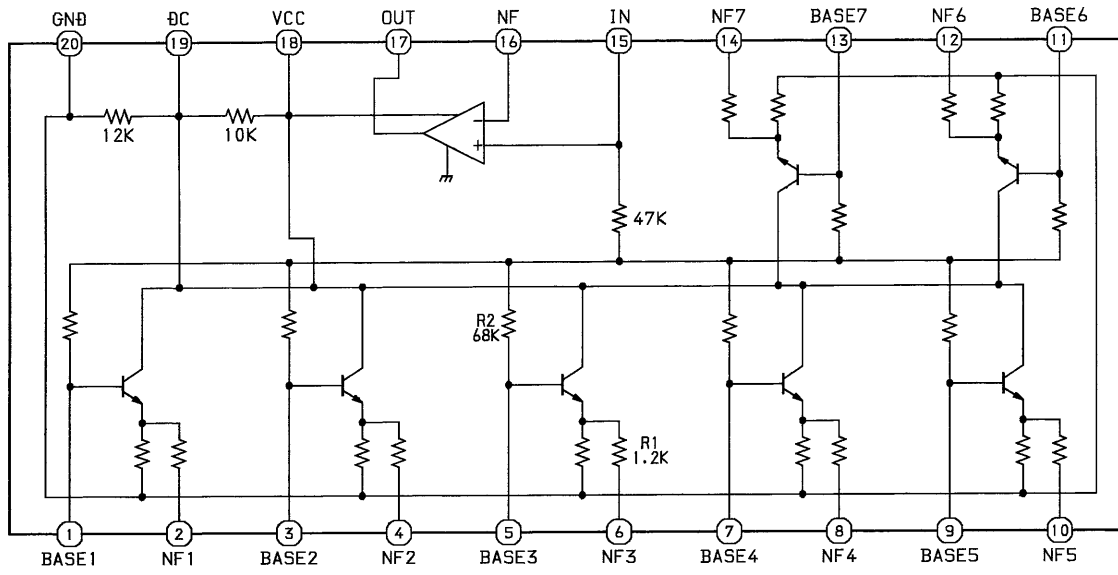


TRUTH TABLE

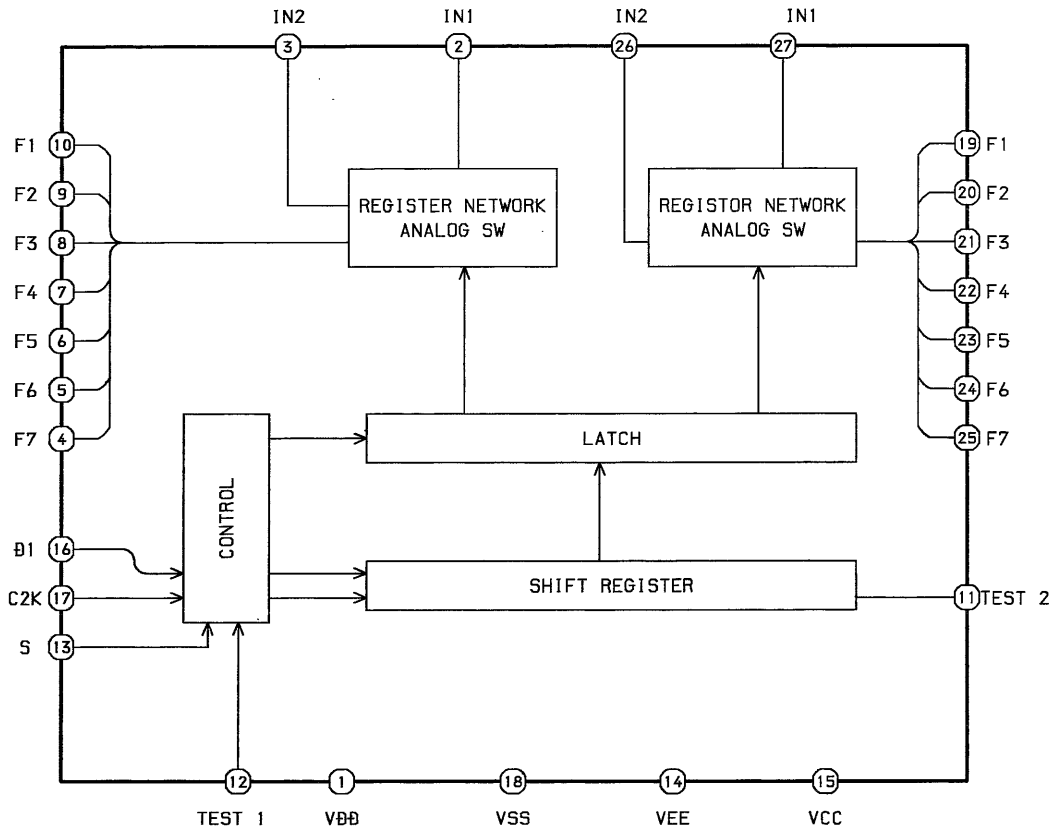
| INHIBIT | A | B | ON SWITCH |
|---------|---|---|-----------|
| L | L | L | X0, Y0 |
| L | H | L | X1, Y1 |
| L | L | H | X2, Y2 |
| L | H | H | X3, Y3 |
| H | X | X | NONE |

X=Don't Care

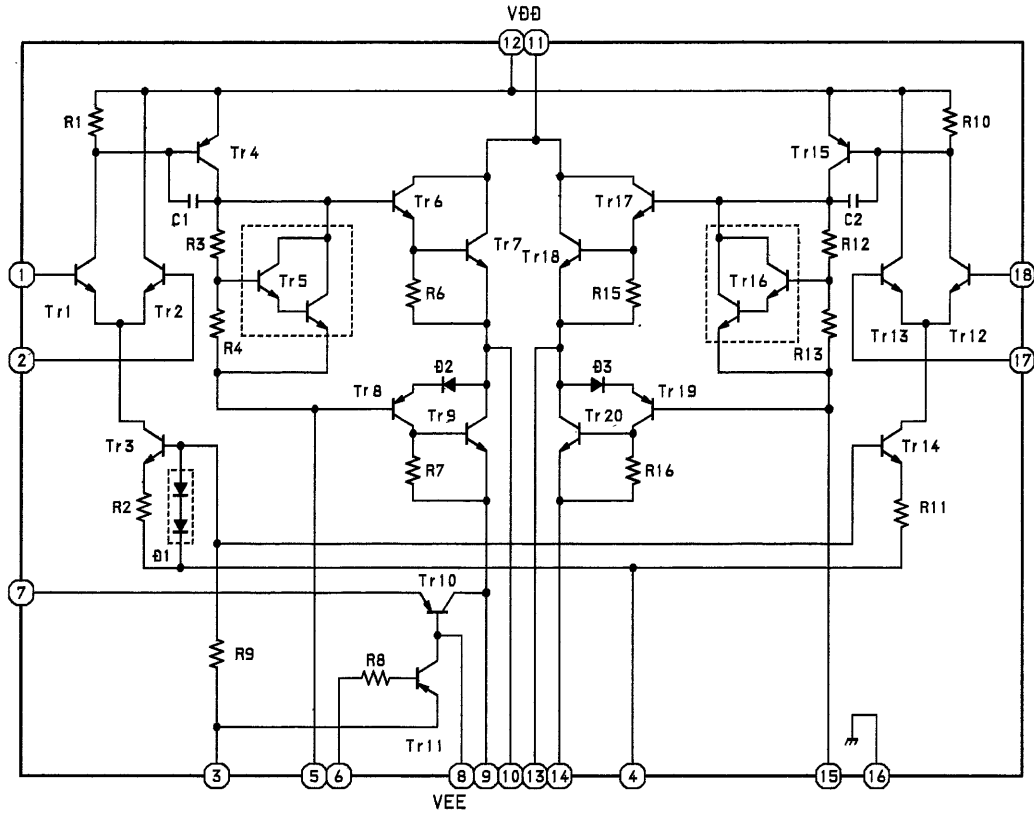
IC,LA3607



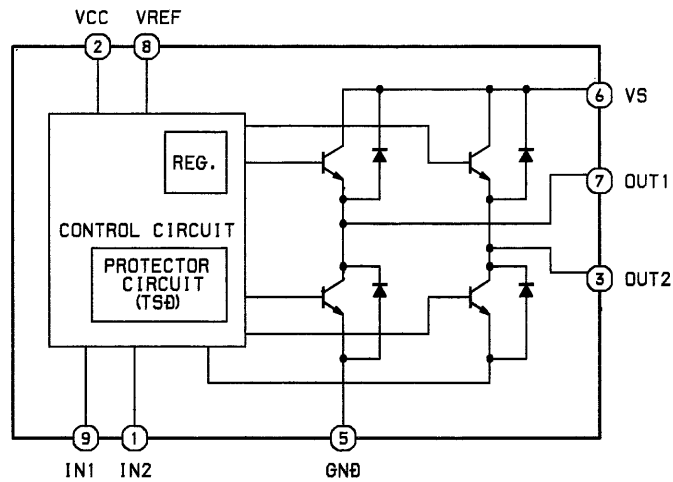
IC,LC7522



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



IC,TA7291S



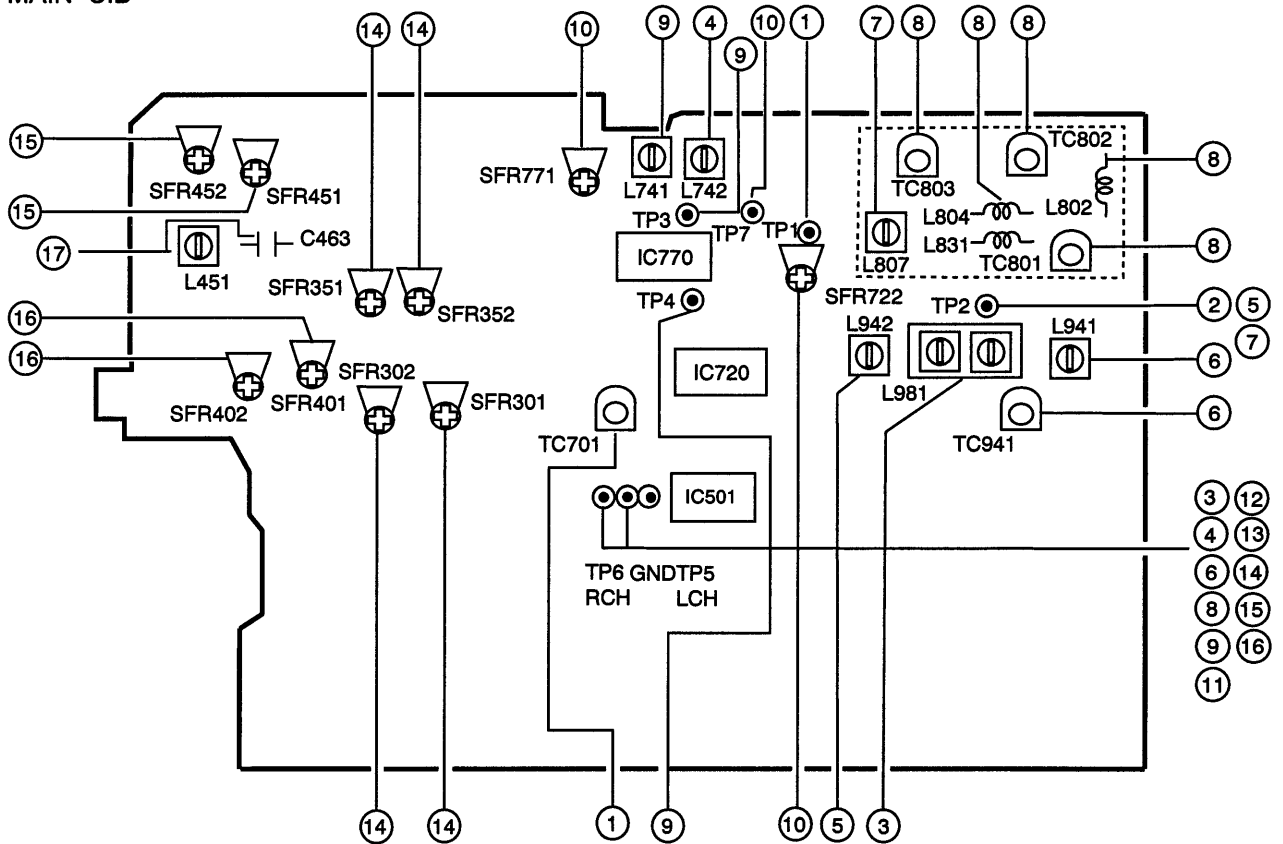
TRUTH TABLE

| 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 |

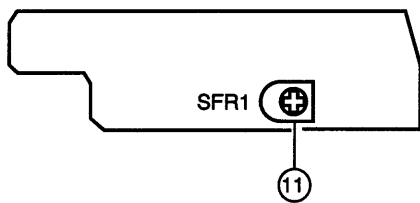
∞ : HI IMPEADANCE
 NOTE : INPUT "H" ACTIVE

ADJUSTMENT -1 <TUNER, DECK>

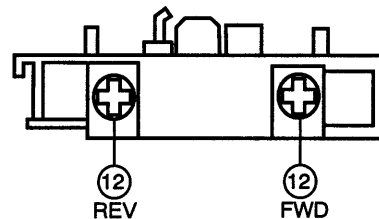
A MAIN C.B



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 ± 0.01kHz (HE,G,EE,K,EZ,Z), 2160kHz ± 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 ± 10V (HE,G,EE,K,EZ,Z), 7.2V ± 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

5. LW VT Adjustment (EE,K,EZ,Z only)
 Settings : •Test point : TP2
 •Adjustment location : L942
 Method : Set to LW 144kHz and adjust L942 so that the test point becomes $1.50V \pm 0.05V$.
6. LW Tracking Adjustment (EE,K,EZ,Z only)
 Settings : •Test point : TP5,TP6
 •Adjustment location :
 L941.....144kHz
 TC941.....290kHz
 Method : Set up TC942 to center before adjustment.
 The level at 144kHz is adjusted to MAX by L941. Then the level at 290kHz is adjusted to MAX by TC941.
7. FM VT Adjustment
 Settings : •Test point : TP2 (VT)
 •Adjustment location : L807
 Method : Set to FM 87.5MHz and adjust L807 so that the test point becomes $1.7V \pm 0.05V$.
8. FM Tracking Adjustment
 Settings : •Test point : TP5,TP6
 TC801,TC802,TC803.....108MHz
 L802,L804,L831.....87.5MHz
9. DC Balance/MONO Distortion Adjustment
 Settings : •Test point : TP3,TP4 (DC Balance)
 TP5,TP6 (Distortion)
 •Adjustment location : L741
 •Input level: 54dB
 Method : Set to FM 98.0MHz and adjust L741 so that voltage between TP3 and TP4 becomes $0V \pm 0.04V$.
 Next check the distortion is less than 1.3%.
10. Auto stop Level Adjustment
 FM
 Settings : •Test point : TP7
 •Adjustment location : SFR772
 •Input signal : 23dB
 Method : Set to FM 98.0 MHz and adjust voltage low (about 0.01V) by SFR722. After that voltage high (about 7.0V) out by 2dB down.
 AM
 Setting : •Test point : TP7
 •Adjustment Location : SFR771
 •Input level : 50dB
 Method : Set to AM 999kHz (HE,EE,K,EZ,Z), 1000kHz (LH) and adjust voltage low (about 0.01V) by SFR771. After that voltage high (about 7.0V) out by 2dB down.

< TAPE SECTION >

11. Tape Speed Adjustment
 Settings : •Test tape : TTA-100
 •Test point : TP5,TP6
 •Adjustment location : SFR1
 Method : Play back the test tape DECK 2 and adjust SFR1 so that the frequency counter reads $3000Hz \pm 5Hz$.

12. Head Azimuth Adjustment
 Settings : •Test tape : TTA-310
 •Test point : TP5,TP6
 •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.
13. PB Frequency Response Check (DECK1,DECK2)
 Settings : •Test tape : TTA-310
 •Test point : TP5,TP6
 Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signals is with respect to that of the 315Hz signal is $\pm 2dB$.
14. PB Sensitivity Adjustment
 Settings : •Test tape : TTA-200
 •Test point : TP5,TP6
 •Adjustment location : SFR301 (DECK1, Lch)
 SFR302 (DECK1, Rch)
 SFR351 (DECK2, Lch)
 SFR352 (DECK2, Rch)
 Method : Play back the test tape and adjust SFR so that the output level of the test point becomes 60mV.
15. REC/PB Frequency Response Adjustment
 Settings : •Test tape : TTA-601
 •Test point : TP5,TP6
 •Input signal : 1kHz/10kHz (LINE IN)
 •Adjustment location : SFR451(Lch)
 SFR452 (Rch)
 Method : Apply 1kHz signal and REC mode. Then adjust attenuator so that the level at the TP5,TP6 becomes 4.2mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of 1kHz and 10kHz signals becomes $3.2mV \pm 0.5dB$.
- 16 REC/PB Sensitivity Adjustment
 Settings : •Test tape : TTA-601
 •Test point : TP5,TP6
 •Input signal : 1kHz (LINE IN)
 •Adjustment location : SFR401(Lch)
 SFR402 (Rch)
 Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the level at the TP5,TP6 becomes 4.2mV. Record and play back the 1kHz and adjust SFRs so that the output becomes $3.2mV + 0.5dB$.
- 17 Bias OSC Frequency Adjustment
 Setting : •Test tape : TTA-601
 •Test point : TP Bias (C463)
 •Adjustment location : L451
 Method: Set to the REC mode, adjust L451 so that the frequency counter of the test point reads $85kHz \pm 2kHz$.

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 level: 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)

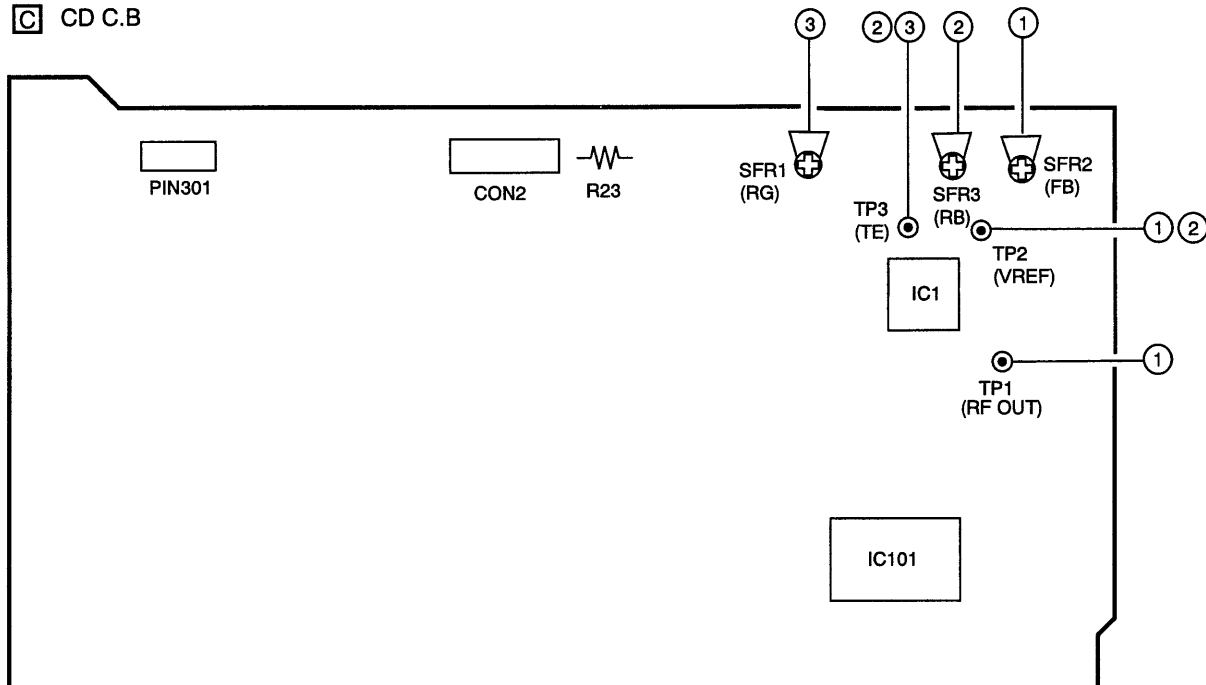
Erasing ratio: More than 60dB (at 125Hz)

REC bias frequency: 85kHz

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

ADJUSTMENT- 2 <CD>

CD C.B

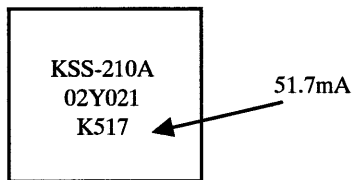


Note :
Connect a probe (10:1) of the osilloscope or the frequency counter to a test point.

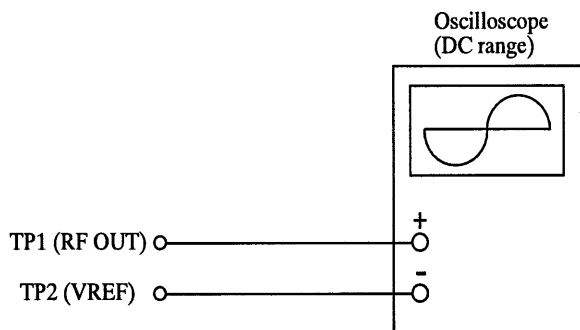
Note:
The current of the laser signal can be checked with th voltage on both sides of R23 (10Ω).The difference for the specified value shown on the level must be within ± 6.0mA

< CD SECTION >:

1. Focus Bias Adjustment
Make the focus bias adjustment when replacing and repairing the optical block.

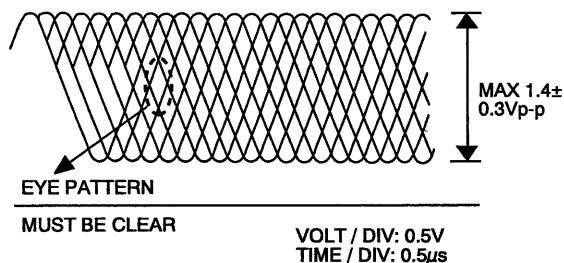


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R23}}{10\Omega}$$

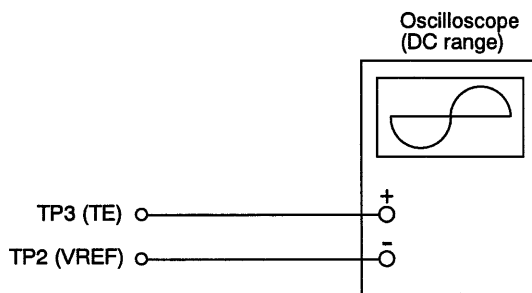


- 1) Connect an oscilloscope to the test points TP1 (RF OUT) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR2 so that RF signal of the test point TP1 (RF OUT) is MAX and CLEARREST.

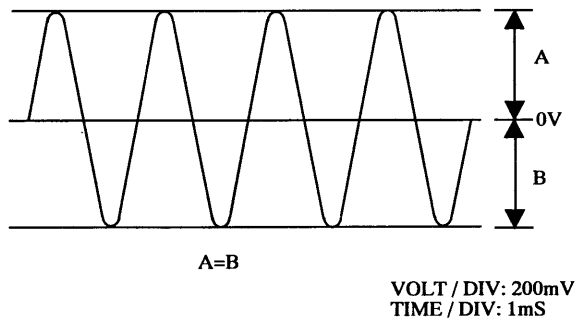
RF signal waveform



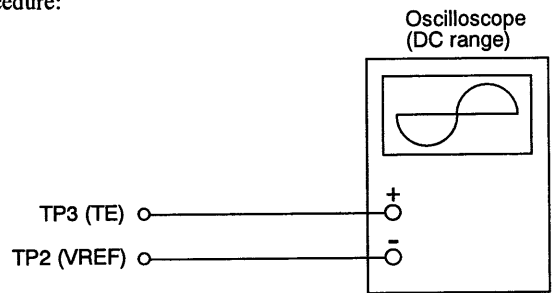
2. Tracking Balance Adjustment



- 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.



Procedure:



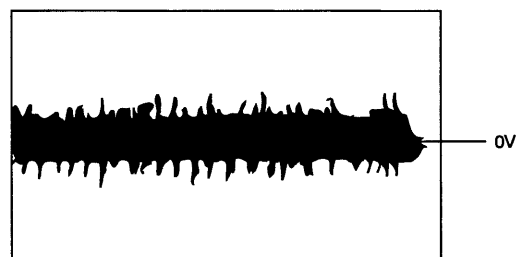
3. Tracking Gain Adjustment

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.

- 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)

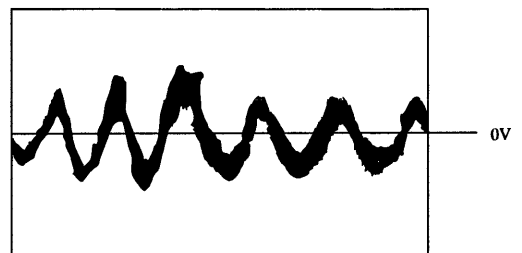


| Symptoms \ Gain | (Focus) | Tracking |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| •The time until music starts becomes longer for STOP PLAY or automatic selection (◀ ▶ buttons 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 |

• Incorrect example

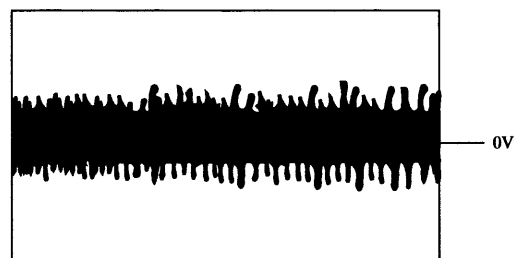
Low tracking gain

(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)



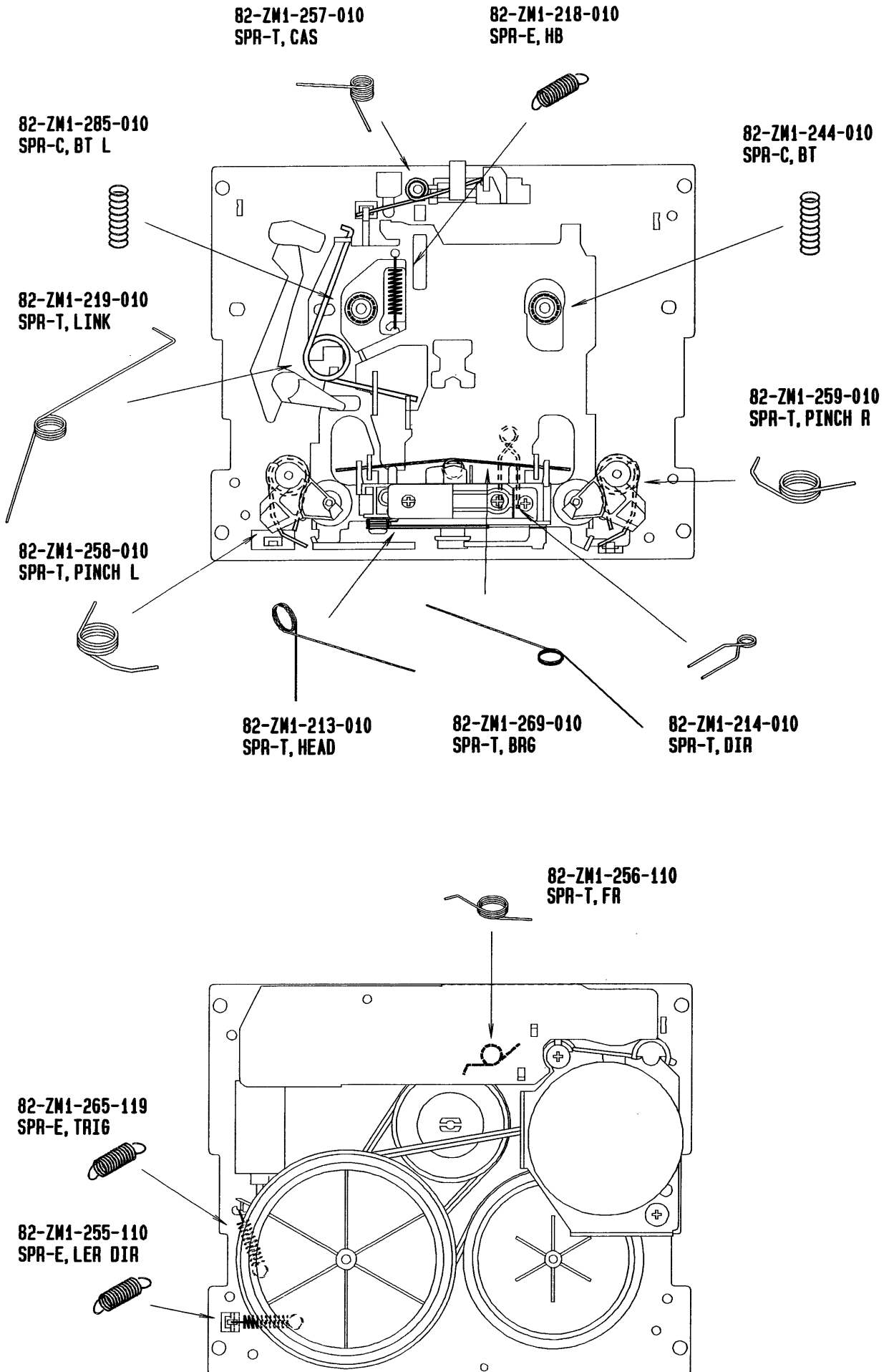
The following is simple adjustment method.

= Simple adjustment =

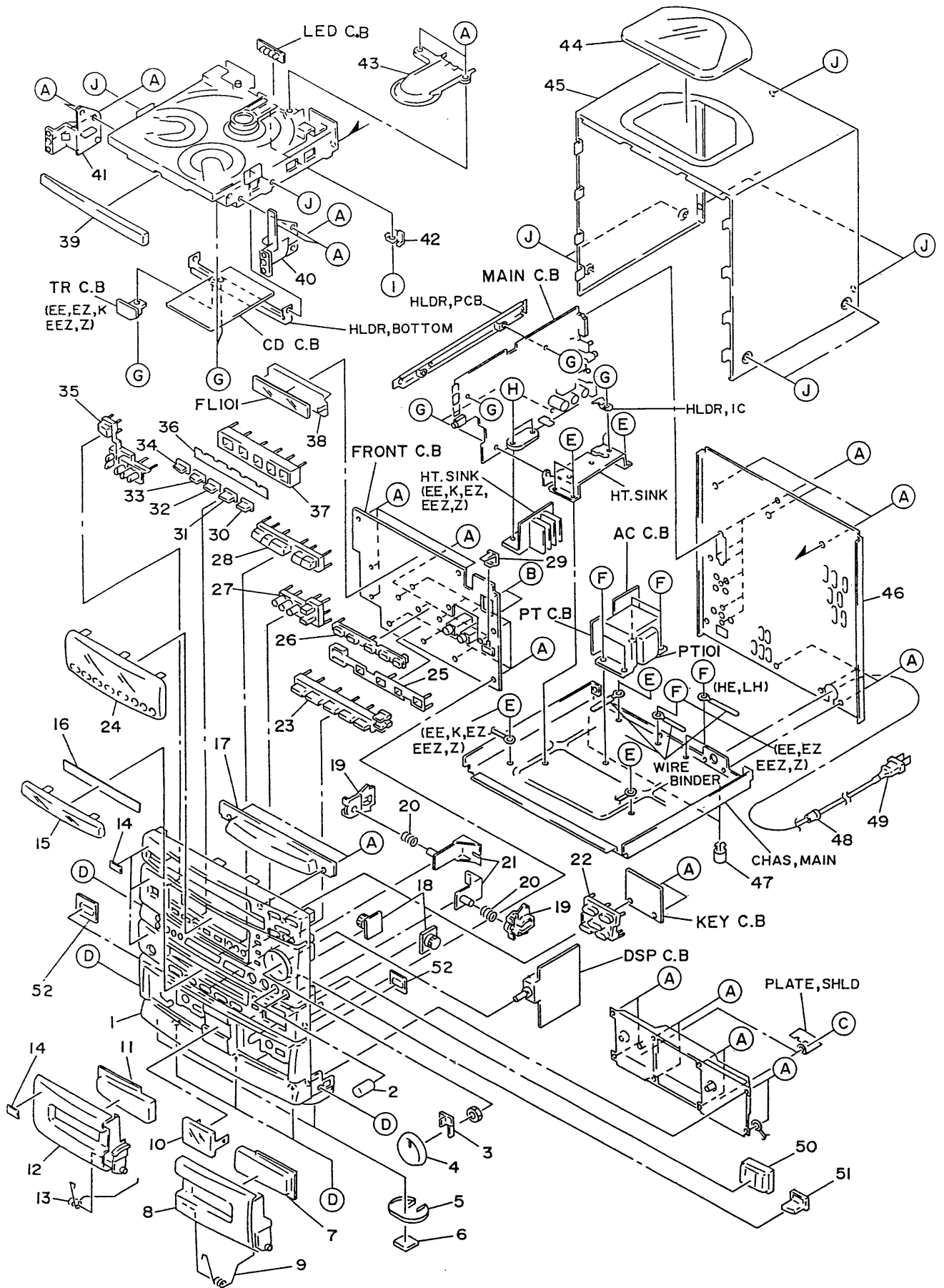
Note: Since exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment.

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

SPRING APPLICATION POSITION



MECHANICAL EXPLODED VIEW 1 / 2

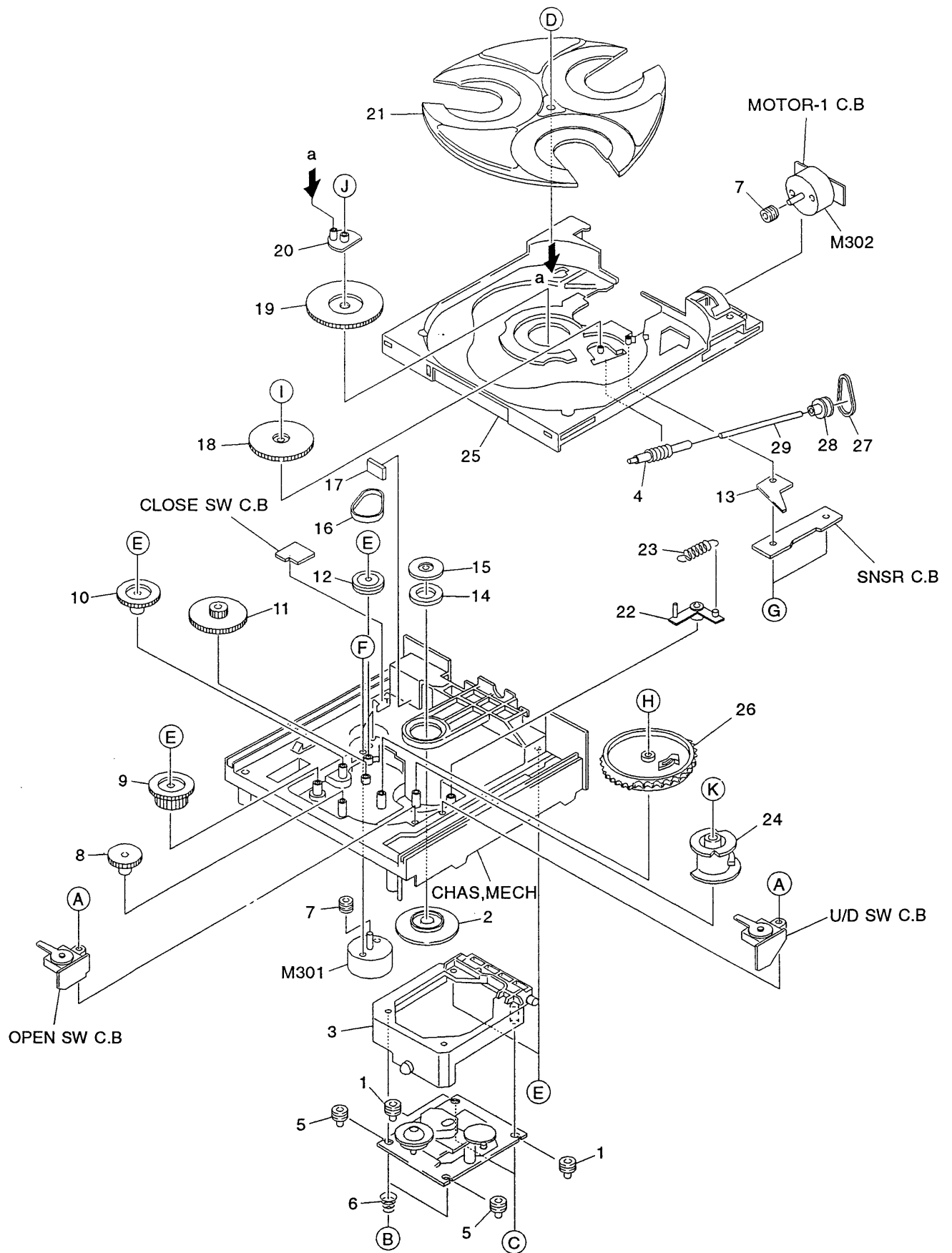


MECHANICAL PARTS LIST 1 / 2

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,MTC | 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

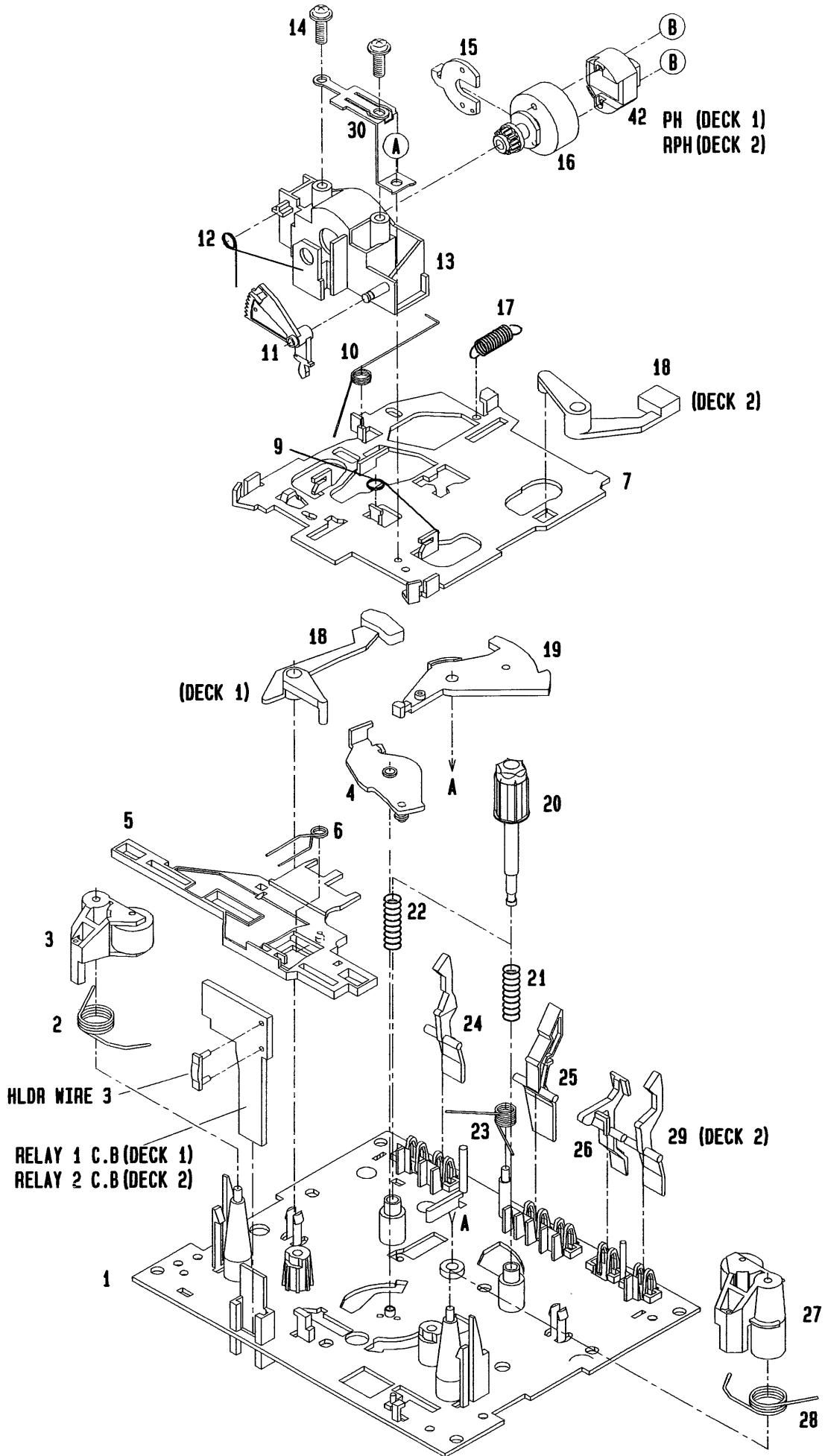


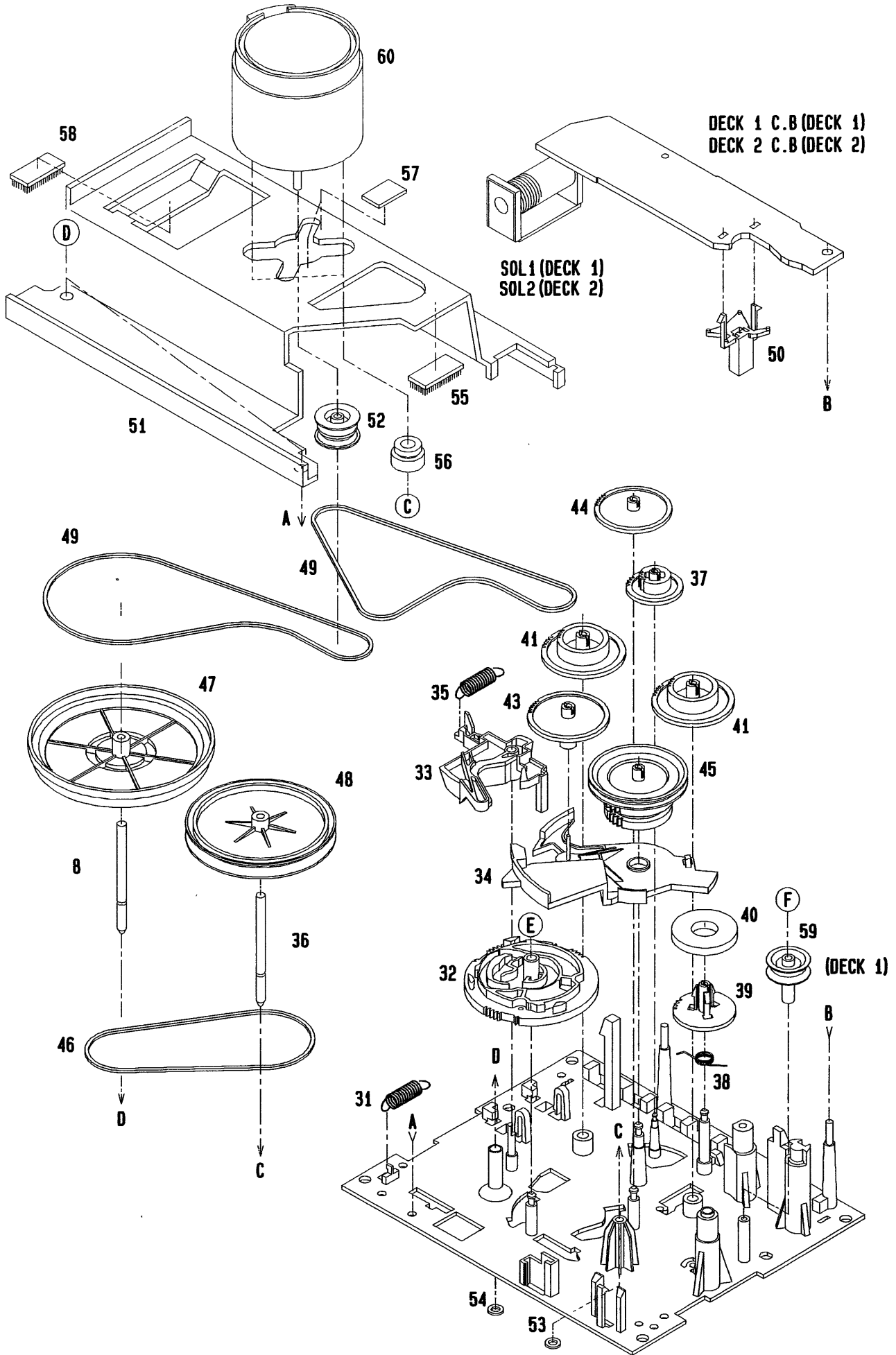
MECHANICAL PARTS LIST 2 / 2

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



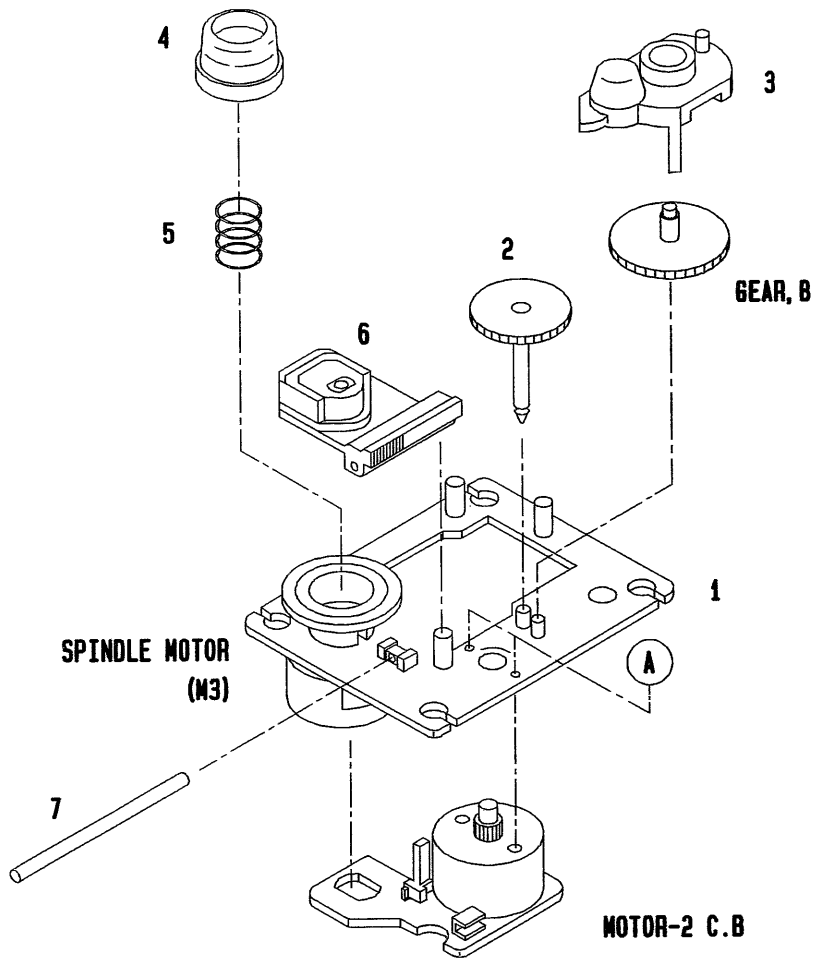


TAPE MECHANISM PARTS LIST 1 / 1

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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