

STR-DE225/DE325

SERVICE MANUAL

AEP Model
Canadian Model
 STR-DE225/DE325
US Model
E Model
Australian Model
Chinese Model
 STR-DE325
UK Model
 STR-DE225



Photo : STR-DE225

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SPECIFICATIONS

Amplifier section

Power output

Stereo mode (DIN 1 kHz, 4 ohms)
 STR-DE325: 90 W + 90 W
 STR-DE225: 40 W + 40 W
 Surround mode (DIN 1 kHz, 4 ohms)
 Front: STR-DE325: 90W/ch
 STR-DE225: 40W/ch
 Centre: STR-DE325: 90W
 STR-DE225: 40W
 (only in PRO LOG IC MODE)
 REAR: STR-DE325:
 (DIN 1 kHz, 4ohms) 90 W
 STR-DE225: (DIN 1 kHz,
 4ohms) 40 W

5.1/DVD
 INPUT * mode Front: 90 W/ch
 (DIN 1 kHz, 4 ohms)
 Centre: 90 W
 (DIN 1 kHz, 4 ohms)
 Rear: 45 W/ch
 (DIN 1 kHz, 8 ohms)
 (except STR-DE225)

Frequency response PHONO: RIAA(except STR-DE225)
 equalization curve ± 0.5 dB
 TV / LD, CD, TAPE / MD,
 VIDEO, 5.1/DVD INPUT*:
 10Hz - 50kHz ± 1 dB

Input

| | Sensitivity | Impedance | S/N (Weighting network, input level) |
|------------------------------|-------------|------------|--|
| PHONO (STR-DE325) (MM) | 2.5mV | 50 kilohms | 74 dB 72 dB** (A, 2.5 mV) |
| CD, 5.1/DVD INPUT* | 200 mV | | |
| TAPE/MD, TV/LD, VIDEO | | 50 kilohms | 82 dB 82 dB** |

Outputs

TAPE/MD REC OUT:
 Voltage: 150 mV,
 Impedance: 10 kilohms
 VIDEO AUDIO OUT:
 Voltage: 150 mV,
 Impedance: 10 kilohms
 WOOFER/MIX AUDIO
 OUT: Voltage: 2V
 Impedance: 10 kilohms
 PHONES: Accepts low and high
 impedance headphones

Muting Full mute
 BASS BOOST +10dB at 70 Hz
 TONE ± 8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range 87.5 - 108.0 MHz
 Aerial terminals 75 ohms, unbalanced
 Sensitivity Mono: 18.3 dBf, 2.2 μ V /75 ohms
 Stereo: 38.3 dBf, 22.5 μ V /75 ohms
 Usable sensitivity 11.2 dBf, 1V /75 ohms (IHF)
 S/N Mono: 76 dB
 Stereo: 70dB
 Harmonic distortion at 1 kHz Mono: 0.3 %
 Stereo: 0.5 %
 Separation 45dB at 1 kHz
 Frequency response 30 Hz - 15kHz ± 0.5 dB
 Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range 531 - 1602 kHz
 Aerial Loop aerial
 Usable sensitivity 50 dB/m (at 999 kHz)
 S/N 54 dB(at 50 mV/m)
 Harmonic distortion 0.5%(50 mV/m, 400Hz)
 Selectivity 35 dB

— Continued on next page —

FM STEREO/FM-AM RECEIVER



SONY®

| | |
|----------------------|--|
| General | |
| System | Tuner section; PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP |
| Power requirements | 230 V AC, 50/60 Hz |
| Power consumption | STR-DE325: 195 W STR-DE225: 110 W |
| AC outlets | Switched 100 W (except for the U.K. model) |
| Dimensions | 430 × 145 × 295 mm |
| Mass(Approx.) | STR-DE325: 7.4 kg STR-DE225: 6.1 kg |
| Supplied accessories | FM wire aerial (1) AM loop aerial (1) Remote controller (remote) (1) Size AA (R6) batteries (2) Scart adaptor (1) |

Design and specifications are subject to change without notice.
Specifications indicated are measured at 230 VAC, 50 Hz

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

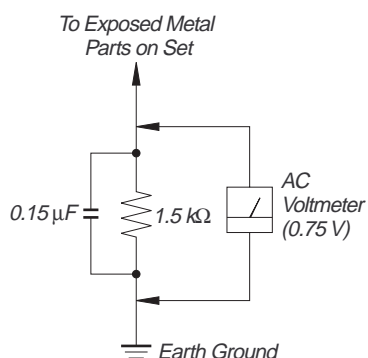


Fig. A. Using an AC voltmeter to check AC leakage.

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SAFETY-RELATED COMPONENT WARNING!!

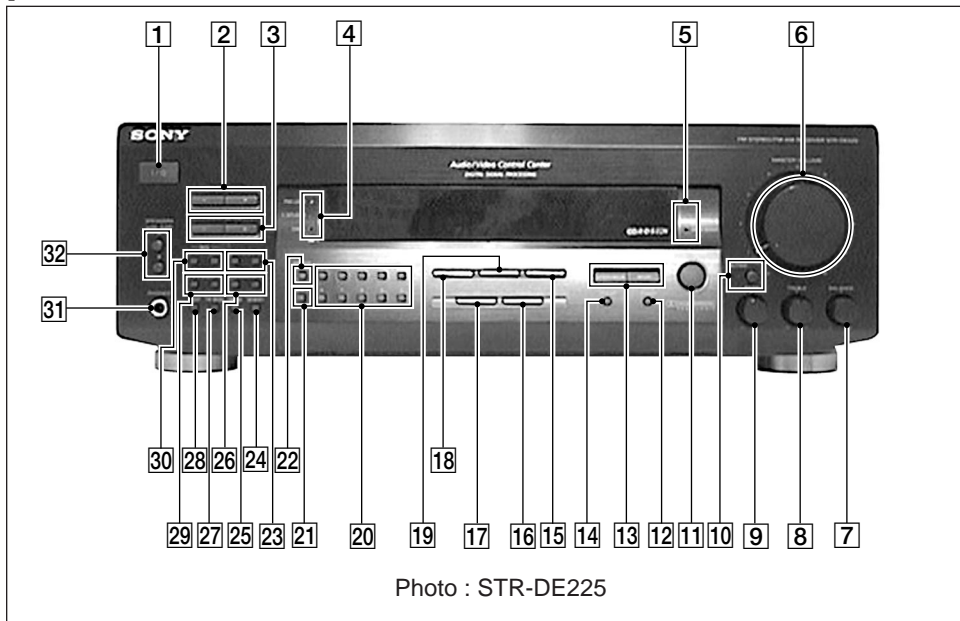
COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

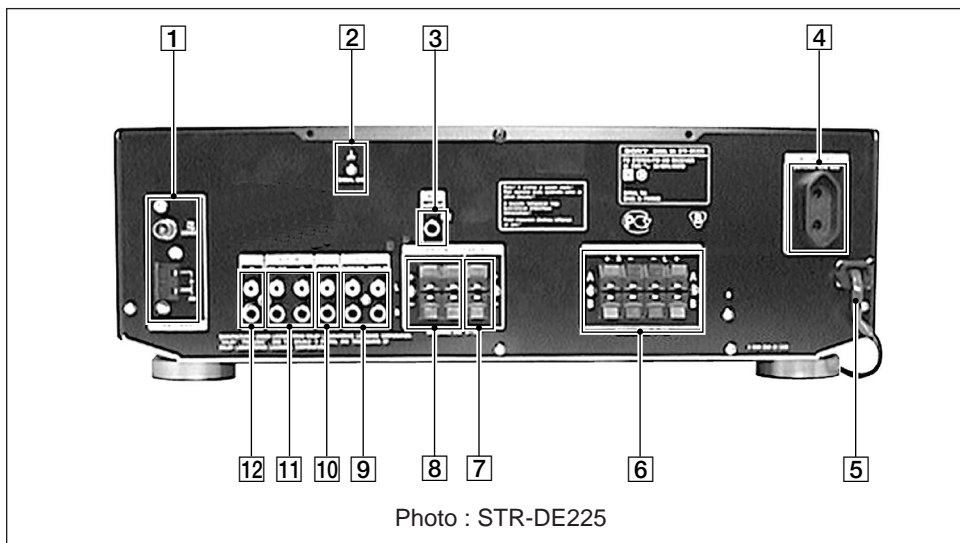
SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS [FRONT PANEL]



- | | |
|--|-----------------------------------|
| 1 POWER switch (I/O) | 17 CD FUNCTION button |
| 2 CENTER LEVEL +, - buttons | 18 VIDEO FUNCTION button |
| 3 REAR LEVEL +, - buttons | 19 TV/LD FUNCTION button |
| 4 PRO LOGIC, C.STUDIO, HALL indicators | 20 Numeric buttons |
| 5 BASS BOOST indicator | 21 SHIFT button |
| 6 MASTER VOLUME control | 22 DIRECT TUNING button |
| 7 BALANCE control | 23 CHARACTER, DISPLAY buttons |
| 8 TREBLE control | 24 MEMORY button |
| 9 BASS control | 25 FM/AM button |
| 10 MUTING button/indicator | 26 PRESET/CHARACTER +, - buttons |
| 11 SURROUND ON/OFF button | 27 FM MODE button |
| 12 BASS BOOST button | 28 SLEEP button |
| 13 SURROUND EFFECT/DELAY, MODE buttons | 29 TUNING/PTY SELECT +, - buttons |
| 14 SET UP button | 30 RDS PTY, EON buttons |
| 15 TAPE/MD FUNCTION button | 31 PHONES jack |
| 16 TUNER FUNCTION button | 32 SPEAKERS A, B ON/OFF buttons |

[REAR PANEL]



- | | |
|------------------------|------------------------------|
| 1 ANTENNA (FM/AM) | 7 SURROUND SPEAKERS (CENTER) |
| 2 \neq SIGNAL GND | 8 SURROUND SPEAKERS (REAR) |
| 3 MIX AUDIO OUT | 9 VIDEO AUDIO IN, AUDIO OUT |
| 4 AC OUTLET | 10 TV/LD AUDIO IN |
| 5 AC power cord | 11 TAPE/MD IN, REC OUT |
| 6 FRONT SPEAKERS (A/B) | 12 CD IN |

SECTION 2 TEST MODE

INITIALIZATION MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the VIDEO and the TAPE/MD buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message INITIAL appears and initialization is performed.

FLUORESCENT INDICATOR TUBE TEST MODE

* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

* Procedure:

While depressing the TV/LD and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. All segments turn on at the same time, then each segment turns on one after another. The message FINISH appears when this test is complete.

AUTO-BETICAL CHECK MODE

* To auto-scanning and memorise of RDS station. (RDS model only).

* Procedure:

While depressing the MEMORY button, press the power [I/⏻] button to turn on the main power. The message AUTO BET appears and each function is selected one after another.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step. (for US, CND and E models only)

* Procedure:

Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button, press the power [I/⏻] button to turn on the main power. Either the message 9k STEP or 10k STEP appears. Select the desired step.

REAR SPEAKER GAIN UP MODE

* The rear speaker gain can be set to either NORMAL or GAIN UP.

* Procedure:

While depressing the -SURROUND- MODE button, press the power [I/⏻] button to turn on the main power. Either the message NORMAL or GAIN UP appears. When the product enters this mode again, the other gain appears. Select the desired gain.

SOFTWARE VERSION DISPLAY MODE

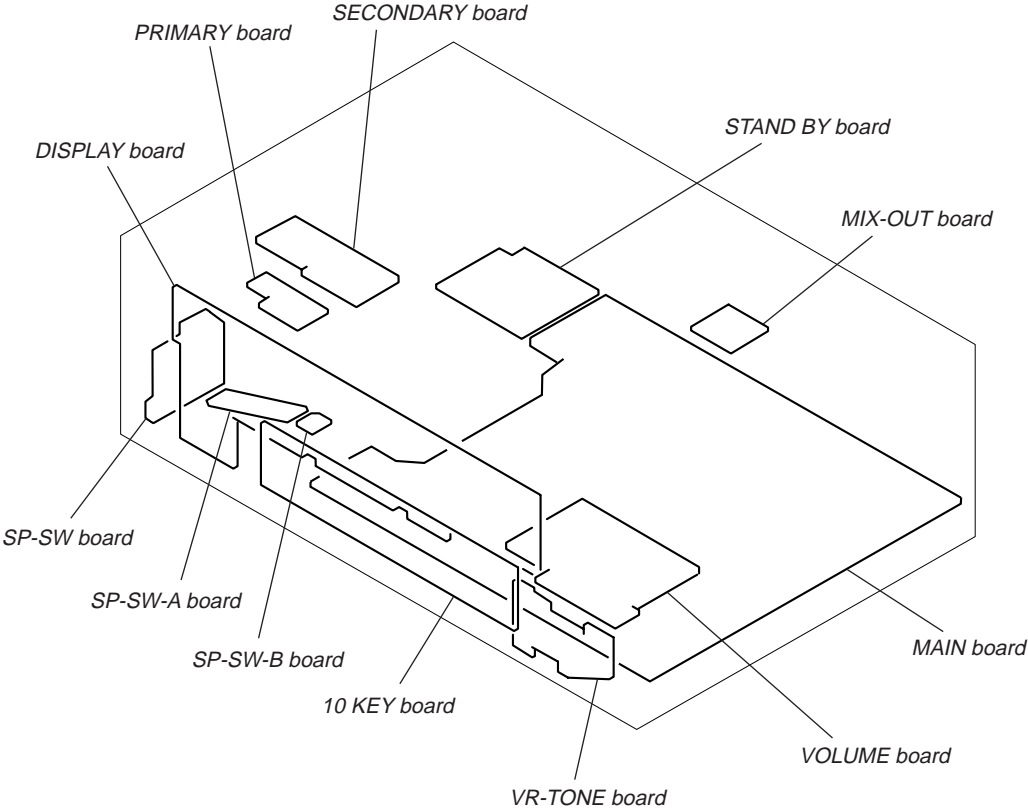
* The software version is displayed.

* Procedure:

While depressing the TUNER and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. The software version is displayed.

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION






THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.





(In addition to this necessary note is printed in each block.)

For schematic diagrams.

Note:



- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

| | |
|--|--|
| <p>Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.</p> | <p>Note: Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|--|--|

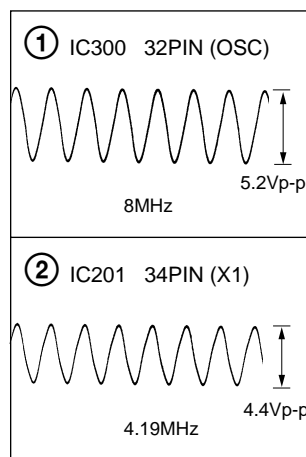
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
- Abbreviation
CND : Canadian
EE : East European
AUS : Australian
CH : Chinese
G : German
MY : Malaysia
SP : Singapore
EA : Saudi Arabia

For printed wiring boards.

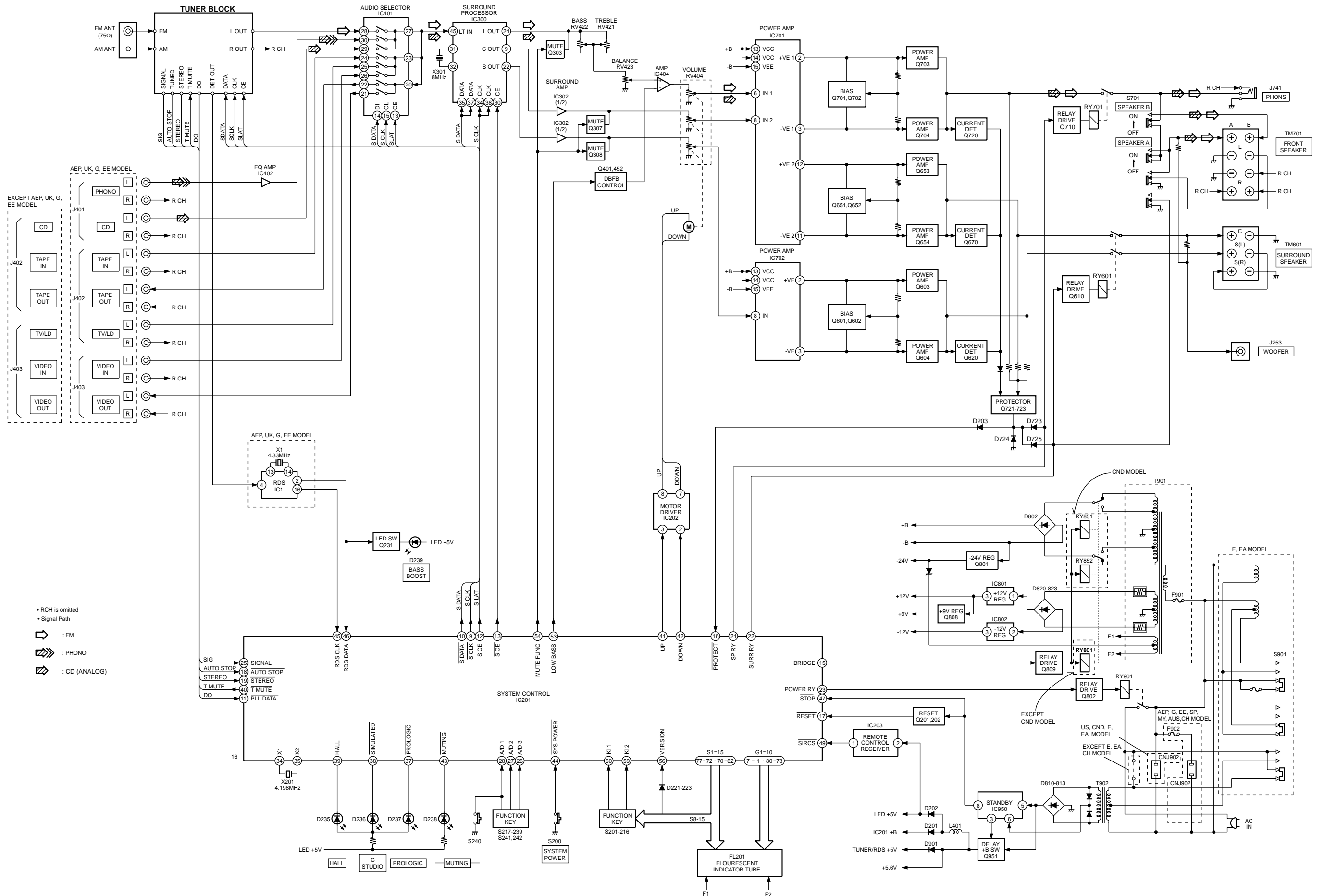
Note:

-  : parts extracted from the component side.
- \circ : Through hole.
- Δ : internal component.
-  : Pattern from the side which enables seeing.

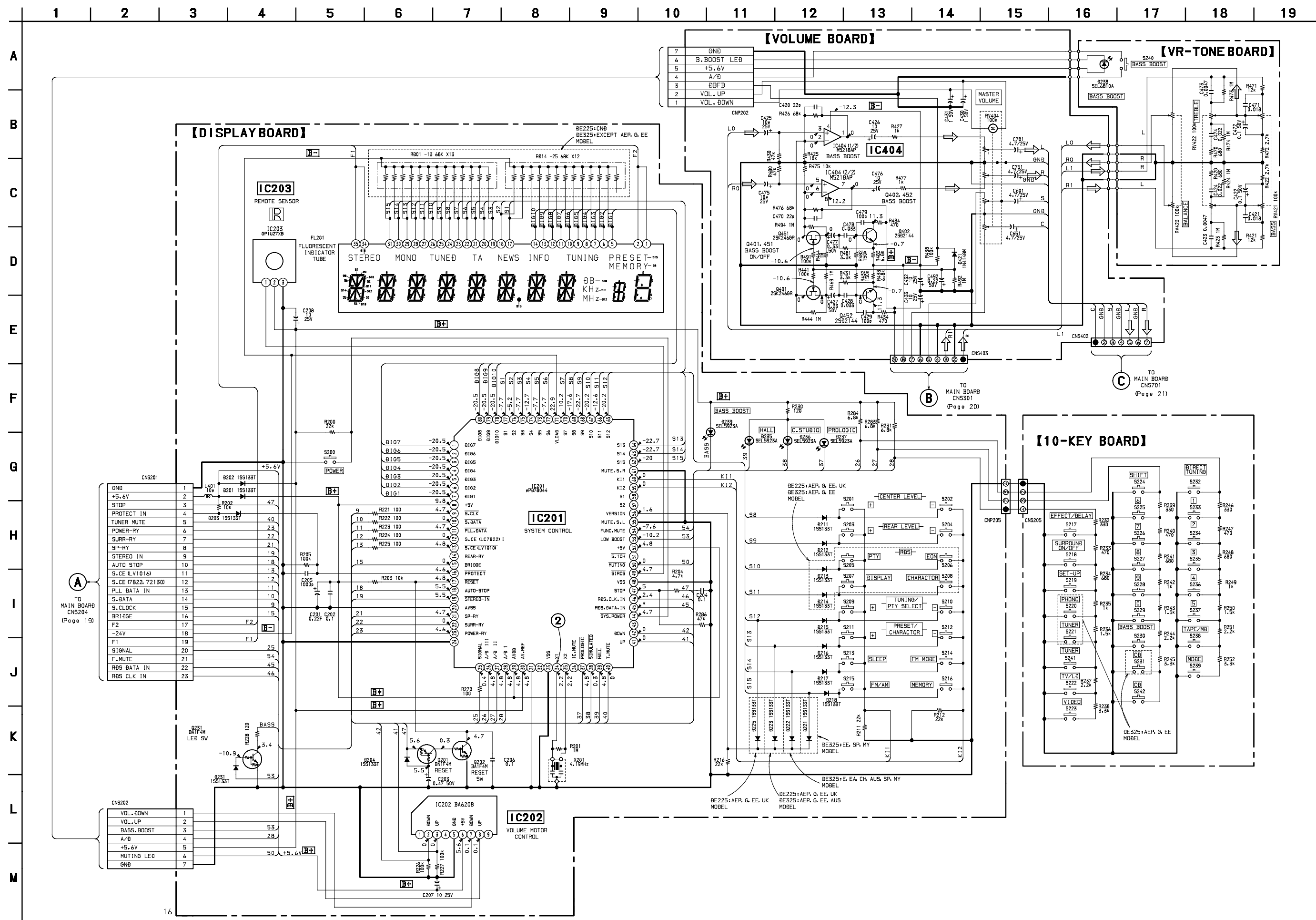
• Waveform



3-2. BLOCK DIAGRAM



3-3. SCHEMATIC DIAGRAM — DISPLAY SECTION —



A
B
C
D
E
F
G
H
I
J
K
L
M

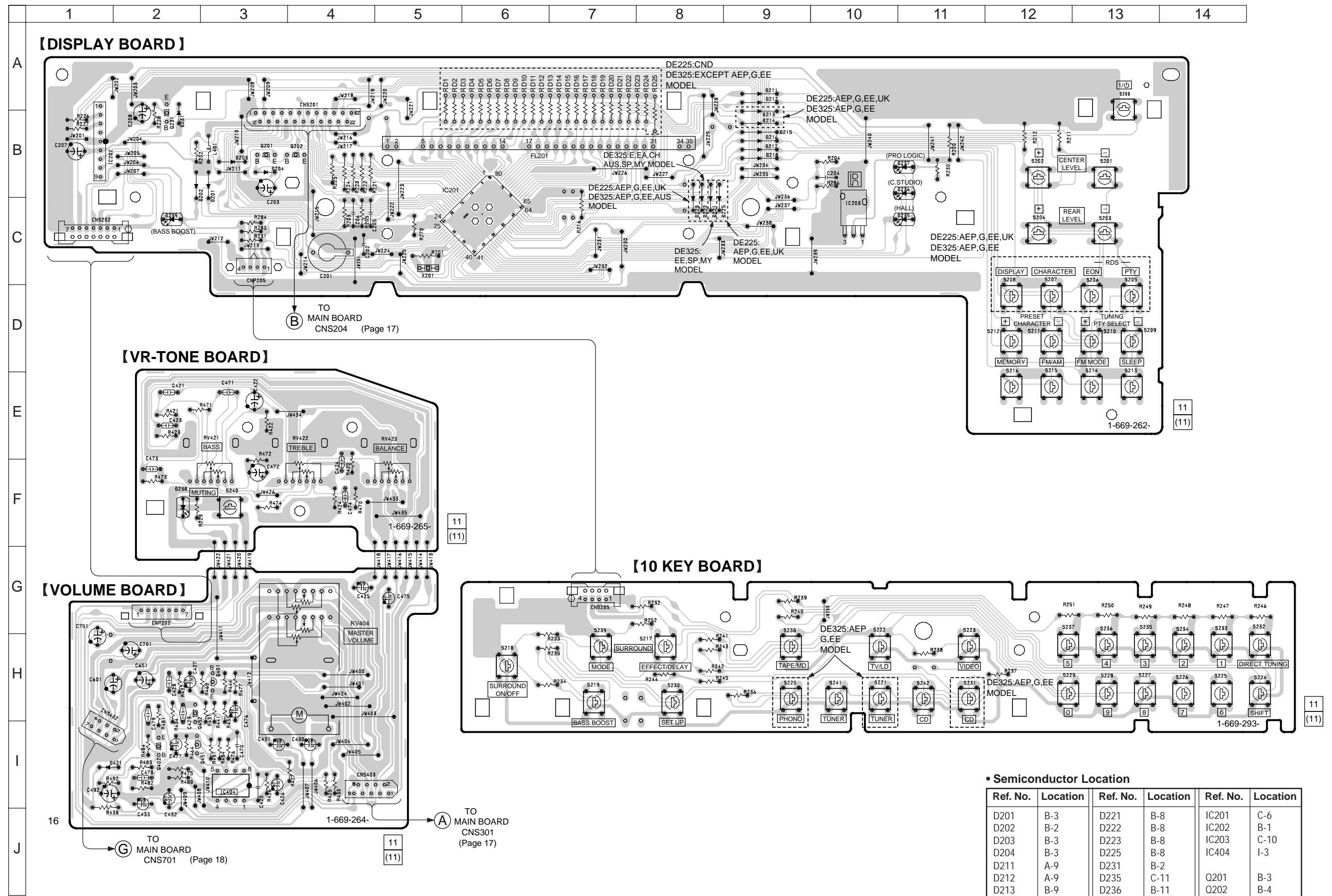
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

A TO MAIN BOARD CNS204 (Page 19)

B TO MAIN BOARD CNS501 (Page 20)

C TO MAIN BOARD CNS701 (Page 21)

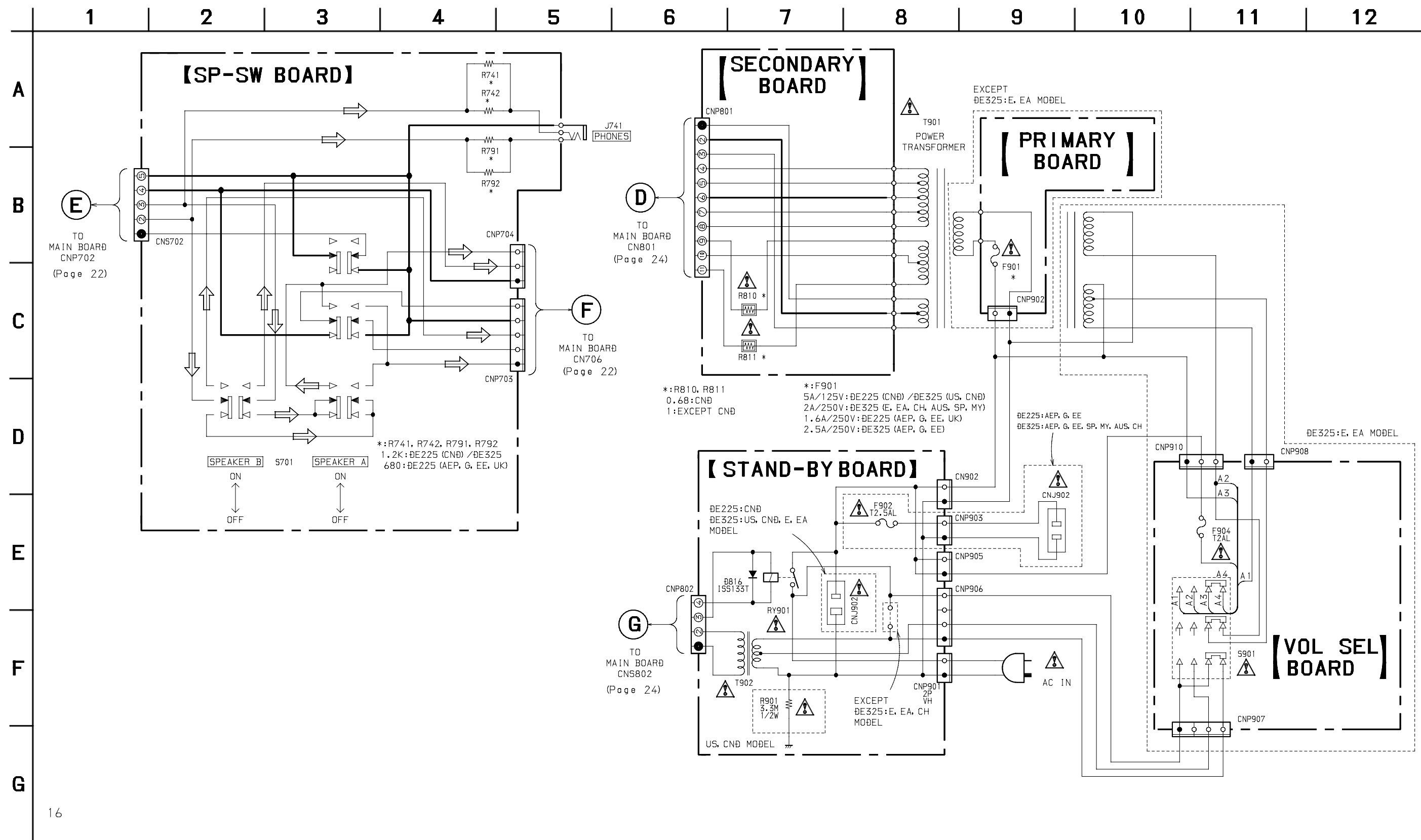
3-4. PRINTED WIRING BOARDS — DISPLAY SECTION —



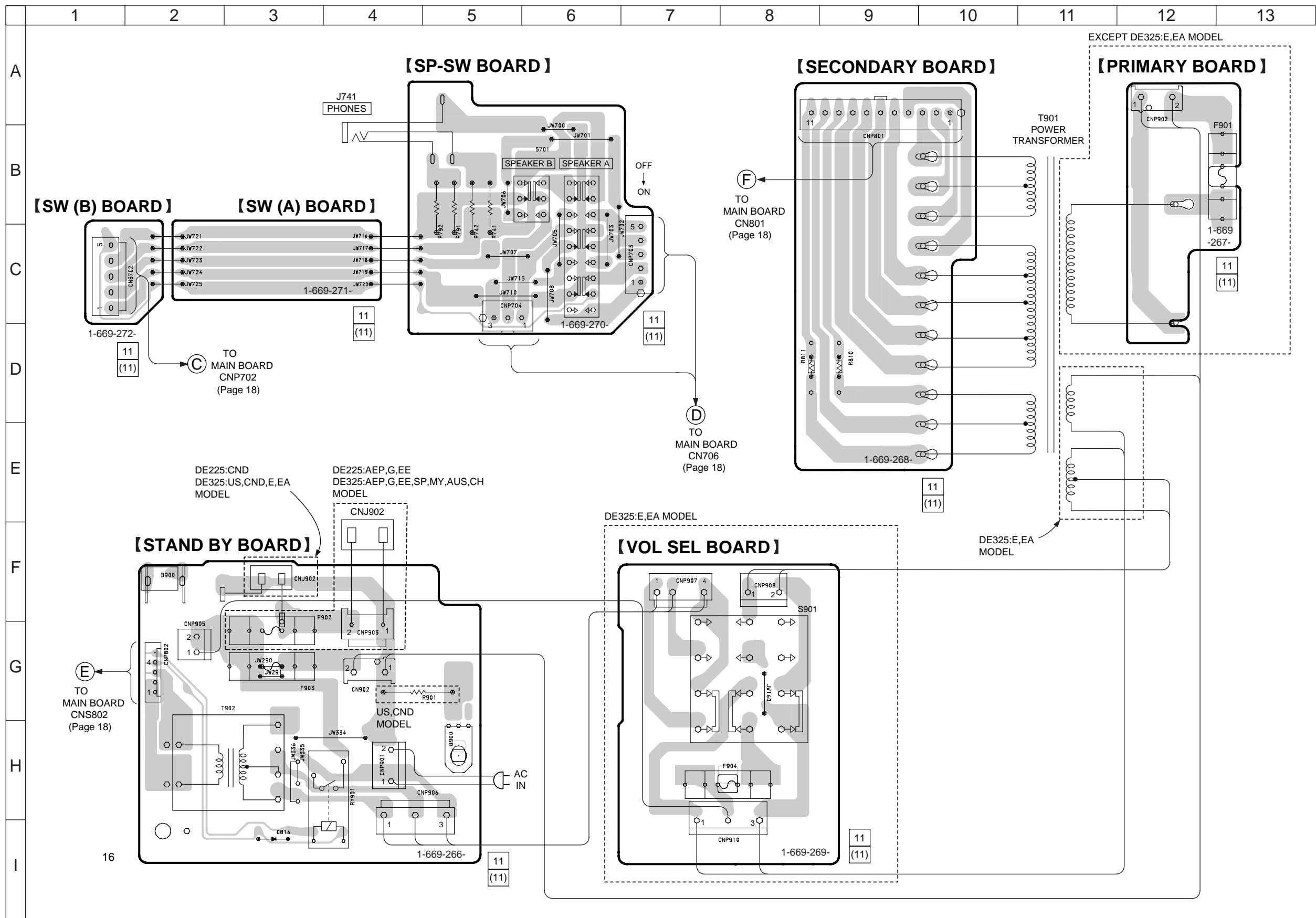
• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|----------|----------|
| D201 | B-3 | D221 | B-8 | IC201 | C-6 |
| D202 | B-2 | D222 | B-8 | IC202 | B-1 |
| D203 | B-3 | D223 | B-8 | IC203 | C-10 |
| D204 | B-3 | D225 | B-8 | IC404 | I-3 |
| D211 | A-9 | D231 | B-2 | Q201 | B-3 |
| D212 | A-9 | D235 | C-11 | Q202 | B-4 |
| D213 | B-9 | D236 | B-11 | Q203 | B-2 |
| D214 | B-9 | D237 | B-11 | Q401 | H-3 |
| D215 | B-9 | D239 | C-2 | Q402 | I-2 |
| D216 | B-9 | D238 | F-2 | Q451 | I-2 |
| D217 | B-9 | D421 | I-1 | Q452 | H-2 |
| D218 | B-9 | | | | |

3-5. SCHEMATIC DIAGRAM — POWER SECTION —



3-6. PRINTED WIRING BOARDS — POWER SECTION —



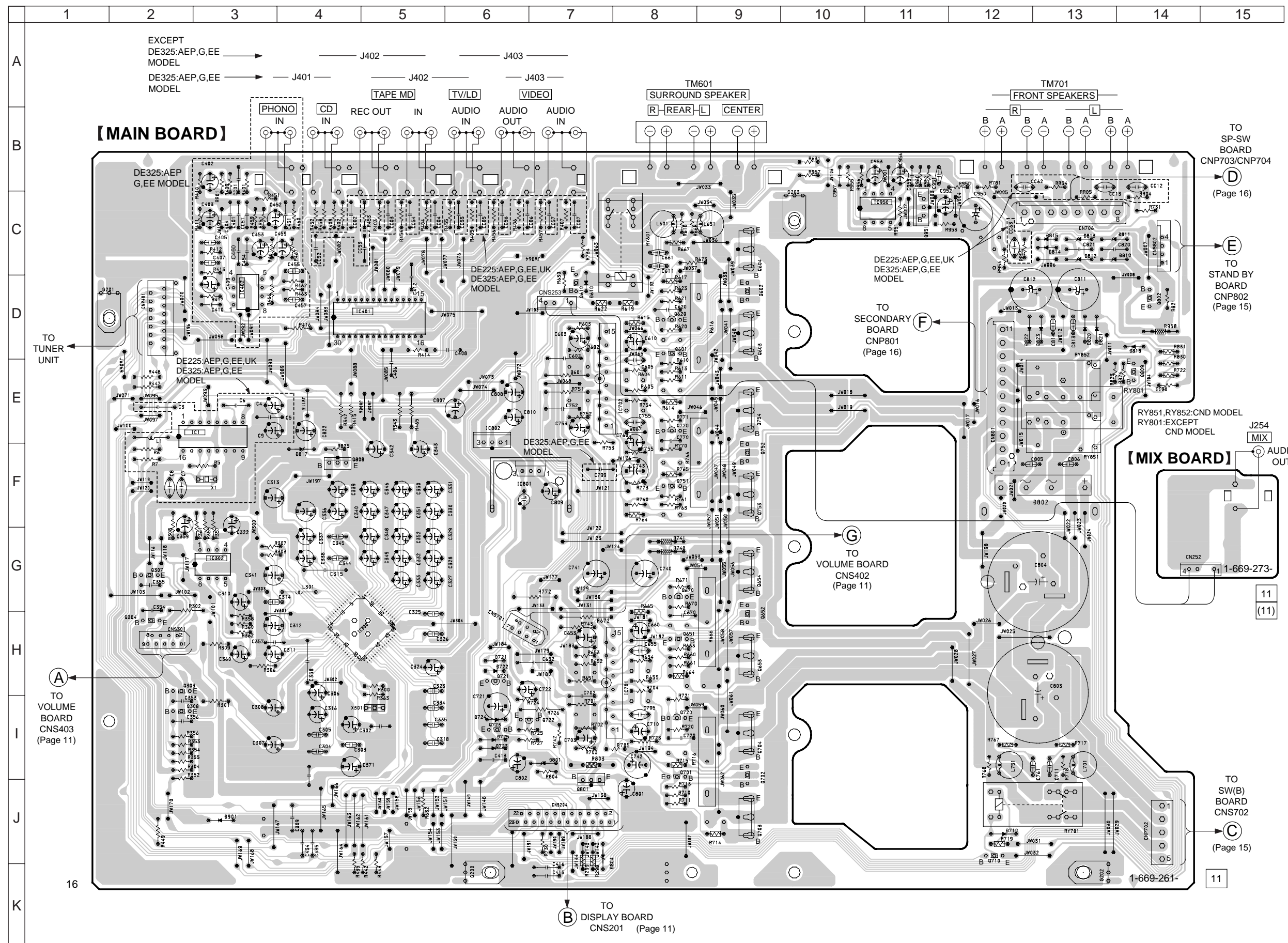
• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D816 | I-3 |

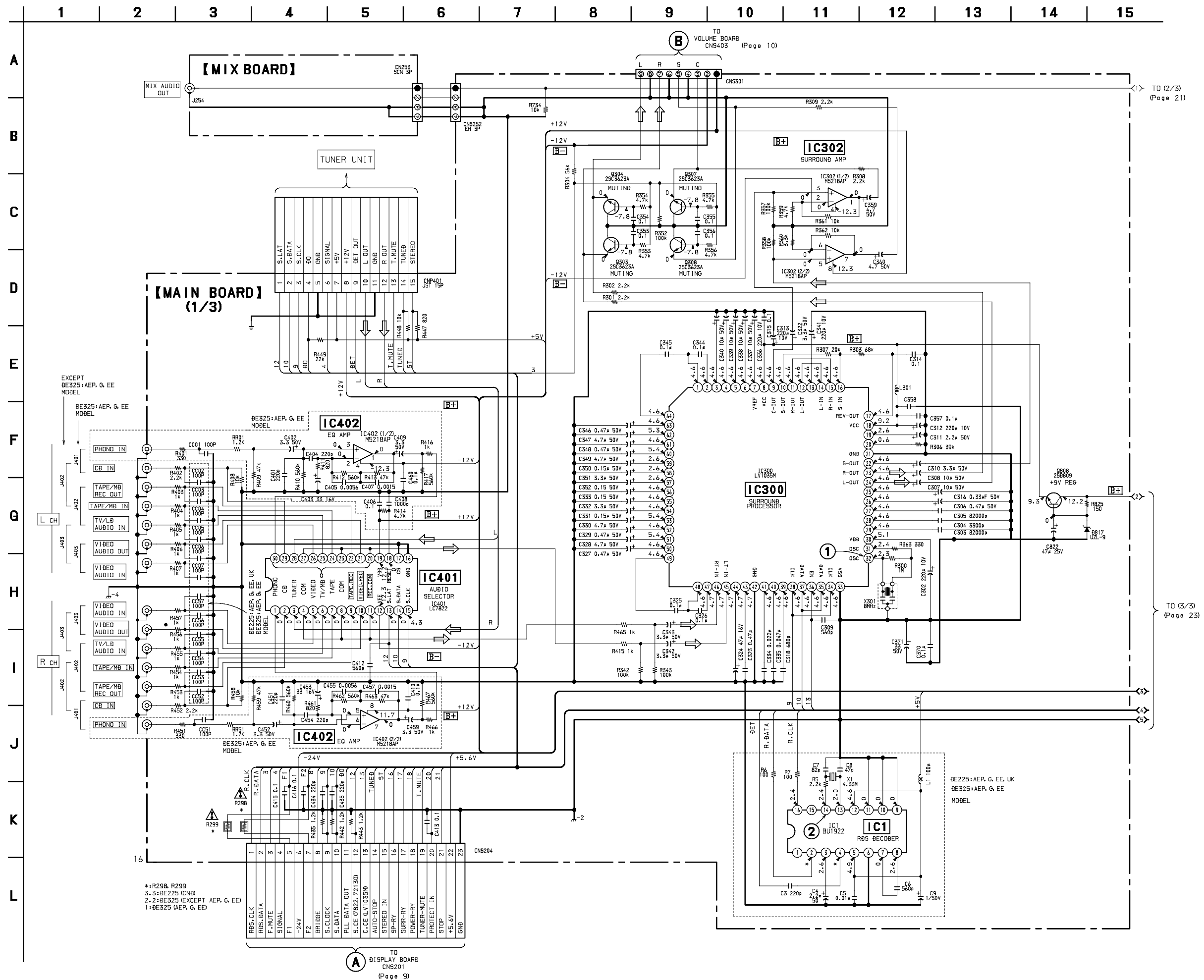
3-7. PRINTED WIRING BOARDS — MAIN SECTION —

• Semiconductor Location

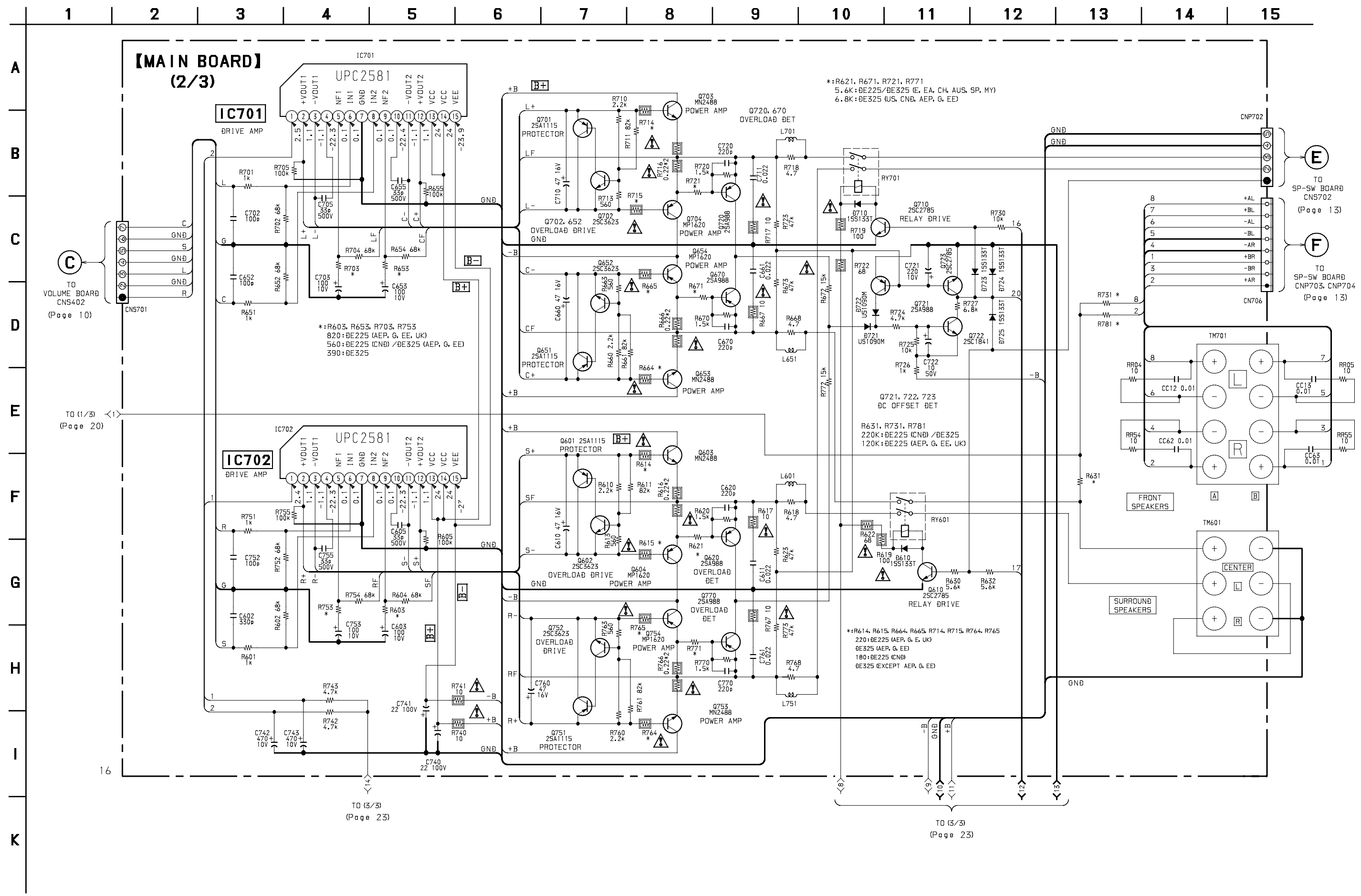
| Ref. No. | Location |
|----------|----------|
| D610 | D-7 |
| D710 | J-12 |
| D721 | H-6 |
| D722 | H-6 |
| D723 | I-6 |
| D724 | I-6 |
| D725 | I-6 |
| D801 | I-7 |
| D802 | F-13 |
| D804 | J-7 |
| D810 | C-14 |
| D811 | C-14 |
| D812 | C-13 |
| D813 | C-13 |
| D814 | C-13 |
| D815 | C-13 |
| D817 | F-4 |
| D818 | D-14 |
| D820 | D-13 |
| D821 | D-13 |
| D822 | D-13 |
| D823 | D-13 |
| D901 | J-3 |
| IC1 | E-3 |
| IC300 | H-5 |
| IC302 | G-3 |
| IC401 | D-5 |
| IC402 | D-3 |
| IC701 | H-8 |
| IC702 | E-7 |
| IC801 | F-7 |
| IC802 | E-6 |
| IC950 | C-11 |
| Q303 | H-2 |
| Q304 | H-2 |
| Q307 | G-2 |
| Q308 | I-2 |
| Q601 | D-8 |
| Q602 | D-9 |
| Q603 | D-9 |
| Q604 | C-9 |
| Q610 | D-7 |
| Q620 | D-8 |
| Q651 | H-8 |
| Q652 | G-9 |
| Q653 | H-9 |
| Q654 | G-9 |
| Q670 | G-8 |
| Q701 | I-8 |
| Q702 | I-9 |
| Q703 | J-9 |
| Q704 | I-9 |
| Q710 | J-12 |
| Q720 | I-8 |
| Q721 | H-6 |
| Q722 | I-7 |
| Q723 | I-6 |
| Q751 | F-8 |
| Q752 | F-9 |
| Q753 | F-9 |
| Q754 | E-9 |
| Q770 | E-8 |
| Q801 | I-7 |
| Q802 | D-14 |
| Q808 | F-4 |
| Q809 | E-14 |
| Q951 | C-11 |



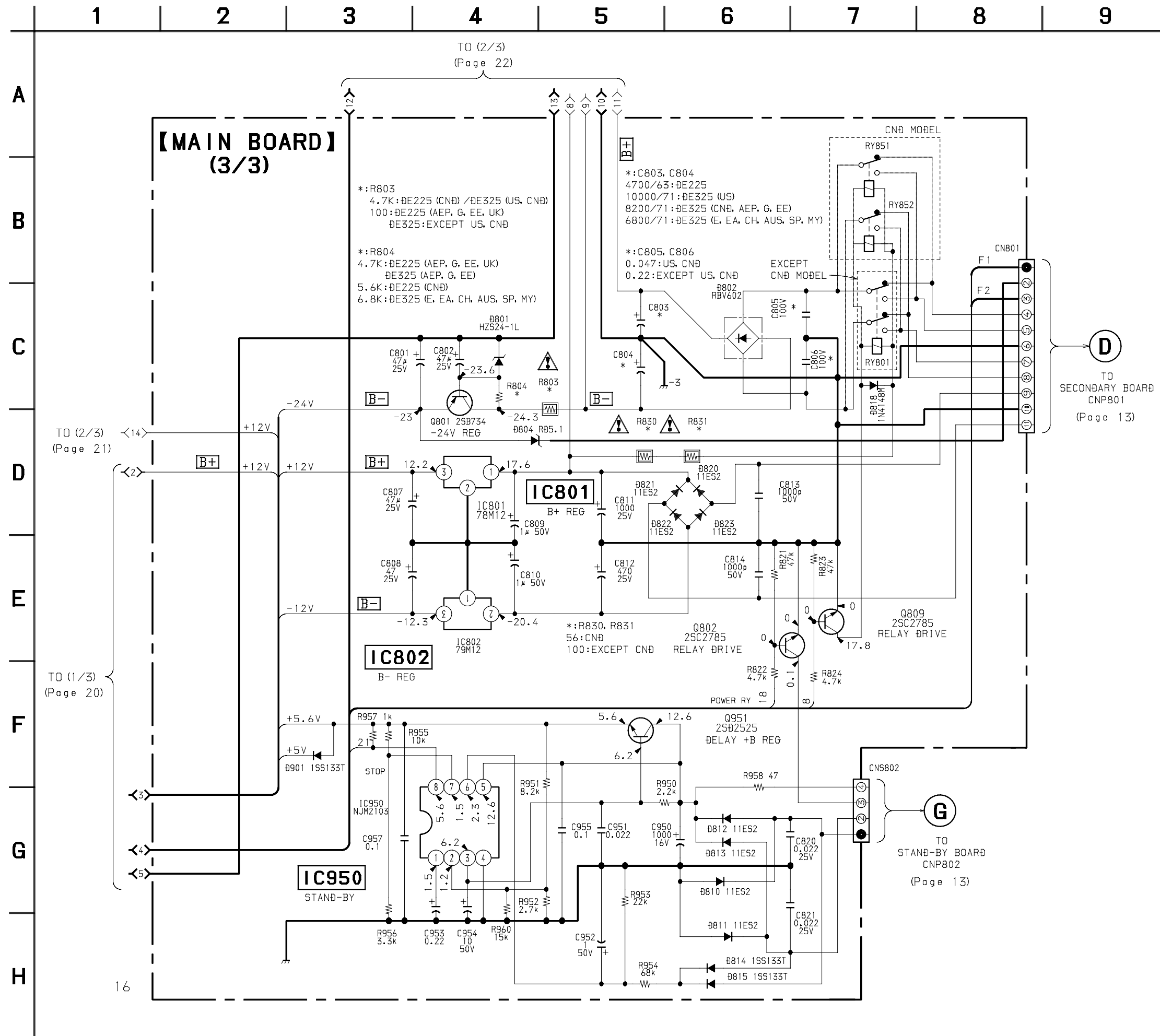
3-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —



*:R298, R299
 3, 3:BE225 (CND)
 2, 2:BE325 (EXCEPT AEP, G, EE)
 1:BE325 (AEP, G, EE)



3-10. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —



3-11. IC PIN FUNCTION DESCRIPTION

• IC201 μ PD78044FGF-112-3B9

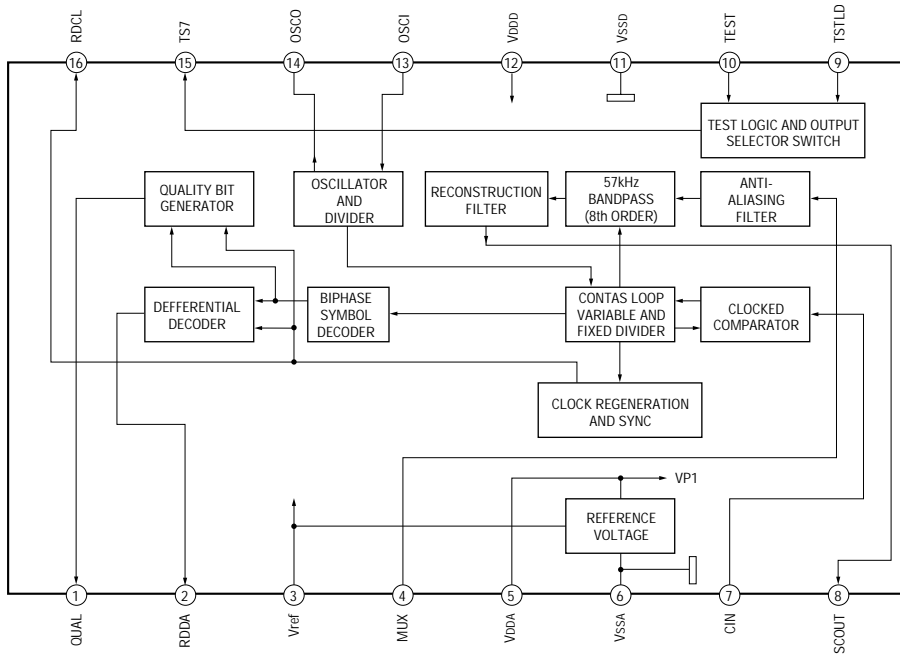
| Pin No. | Pin Name | I/O | Description |
|---------|-----------------------------|-----|--|
| 1 | DIG7 | O | Fluorescent indicator tube drive. |
| 2 | DIG6 | O | |
| 3 | DIG5 | O | |
| 4 | DIG4 | O | |
| 5 | DIG3 | O | |
| 6 | DIG2 | O | |
| 7 | DIG1 | O | |
| 8 | +5V | — | Power supply (+5V). |
| 9 | $\overline{S. CLK}$ | O | System clock. |
| 10 | $\overline{S. DATA}$ | O | System data. |
| 11 | $\overline{PLL. DATA}$ | O | PLL data input from TU001. |
| 12 | $\overline{S. CE (LC7288)}$ | O | Chip enable output. |
| 13 | $\overline{S. CE (LV100)}$ | O | Chip enable output. |
| 14 | REAR-R | I | Input for model select. |
| 15 | BRIDGE | O | Protector detect output. |
| 16 | $\overline{PROTECT}$ | I | Protector detect input. |
| 17 | \overline{RESET} | I | System reset terminal. |
| 18 | $\overline{AUTO-STOP}$ | I | Auto stop detect input. |
| 19 | $\overline{STEREO-IN}$ | I | Stereo detect input. |
| 20 | AVss | — | Ground. |
| 21 | SP-RY | O | Speaker relay drive. |
| 22 | SURR-RY | O | Surround Relay. |
| 23 | POWER-RY | O | Power relay drive. |
| 24 | AVss | — | Ground. |
| 25 | SIGNAL | I | A/D signal input terminal. |
| 26 | A/D3 | I | A/D3 key input terminal. |
| 27 | A/D2 | I | A/D2 key input terminal. |
| 28 | A/D1 | I | A/D1 key input terminal. |
| 29 | AVDD | — | Power supply (+5V). |
| 30 | AV. REF | — | Reference voltage (+5V). |
| 31 | GND | — | Ground. |
| 32 | NC | — | Not used (Open). |
| 33 | Vss | — | Ground. |
| 34 | X1 | I | System clock (4.19MHz). |
| 35 | X2 | O | System clock (4.19MHz). |
| 36 | IC. MUTE | O | Mute drive output for μ PD2581V (IC701). |
| 37 | $\overline{PROLOGIC}$ | O | Prologic LED. |
| 38 | $\overline{SIMULATED}$ | O | CINEMA STUDIO LED. |
| 39 | \overline{HALL} | O | HALL LED. |
| 40 | T. MUTE | O | Tuner mute drive output. |

| Pin No. | Pin Name | I/O | Description |
|---------|--------------------------------|-----|--|
| 41 | VOLUME UP | O | Volume up. |
| 42 | VOLUME DOWN | O | Volume down. |
| 43 | $\overline{\text{STANDBY}}$ | O | Standby LED drive. |
| 44 | $\overline{\text{SYS. POWER}}$ | I | System power ON/OFF. |
| 45 | RDS. DATA. IN | I | RDS data input. |
| 46 | RDS. CLK. IN | I | RDS clock input. |
| 47 | $\overline{\text{STOP}}$ | I | Stop signal input from NJM2103D (IC950). |
| 48 | V _{ss} | — | Ground. |
| 49 | $\overline{\text{SIRCS}}$ | I | Sircs signal input. |
| 50 | $\overline{\text{POWER SW}}$ | I | Power switch input terminal. |
| 51 | 5.1ch LED | — | 5.1ch LED drive. |
| 52 | +5V | — | Power supply (+5V). |
| 53 | BASS BOOST | O | Bass boost LED drive. |
| 54 | FUNC. MUTE | O | Line mute drive. |
| 55 | SL MUTE | O | SL mute drive. |
| 56 | VERSION | I | Input for model select. |
| 57 | K14 | I | Key in 4. |
| 58 | K13 | I | Key in 3. |
| 59 | K12 | I | Key in 2. |
| 60 | K11 | I | Key in 1. |
| 61 | SR MUTE | O | SR mute drive. |
| 62 | S15 | O | Key out 15. |
| 63 | S14 | O | Key out 14. |
| 64 | S13 | O | Key out 13. |
| 65 | S12 | O | Key out 12. |
| 66 | S11 | O | Key out 11. |
| 67 | S10 | O | Key out 10. |
| 68 | S9 | O | Key out 9. |
| 69 | S8 | O | Key out 8. |
| 70 | S7 | O | Key out 7. |
| 71 | VLOAD | — | Connect to -24V. |
| 72 | S6 | O | Key out 6. |
| 73 | S5 | O | Key out 5. |
| 74 | S4 | O | Key out 4. |
| 75 | S3 | O | Key out 3. |
| 76 | S2 | O | Key out 2. |
| 77 | S1 | O | Key out 1. |
| 78 | DIG10 | O | Fluorescent indicator tube drive. |
| 79 | DIG9 | O | |
| 80 | DIG8 | O | |

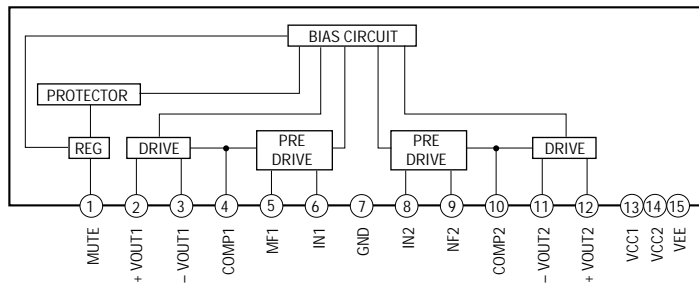
3-12. IC BLOCK DIAGRAMS

• IC BLOCK DIAGRAMS

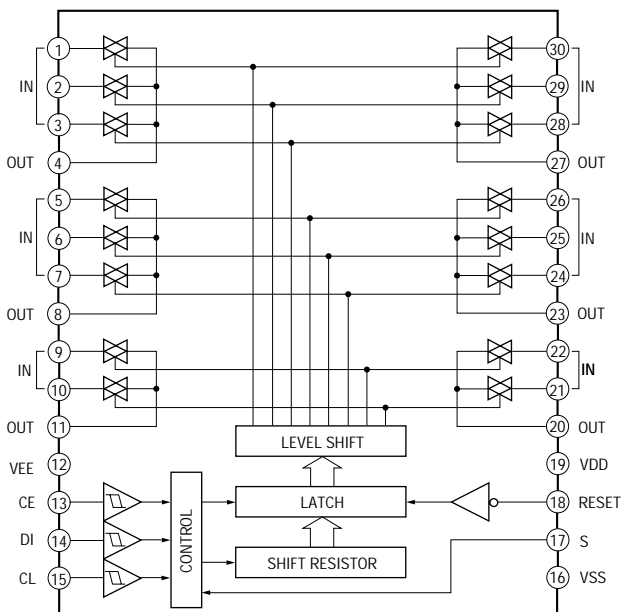
IC1 BU1922



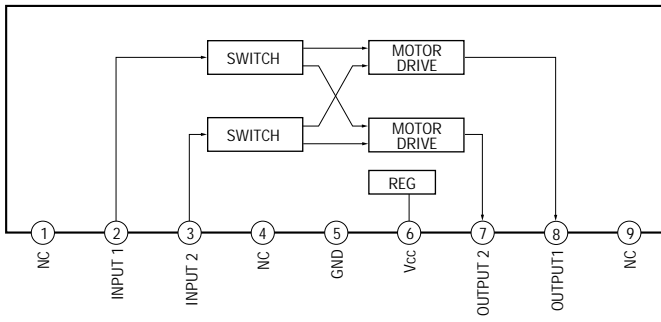
IC701 uPC2581V



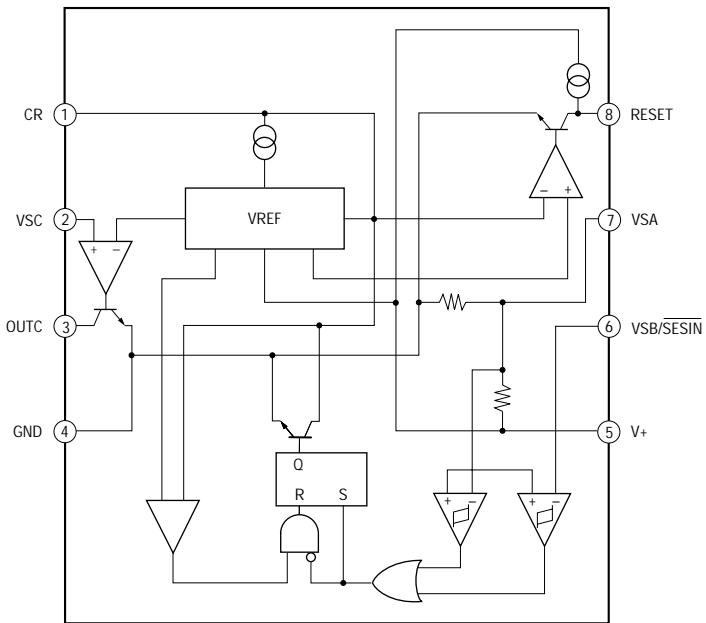
IC401, IC500 LC7822



IC202 BA6208



IC950 NJM2103D



SECTION 4 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
 CND : Canadian G : German
 EE : East European MY : Malaysia
 AUS : Australian SP : Singapore
 CH : Chinese EA : Saudi Arabia

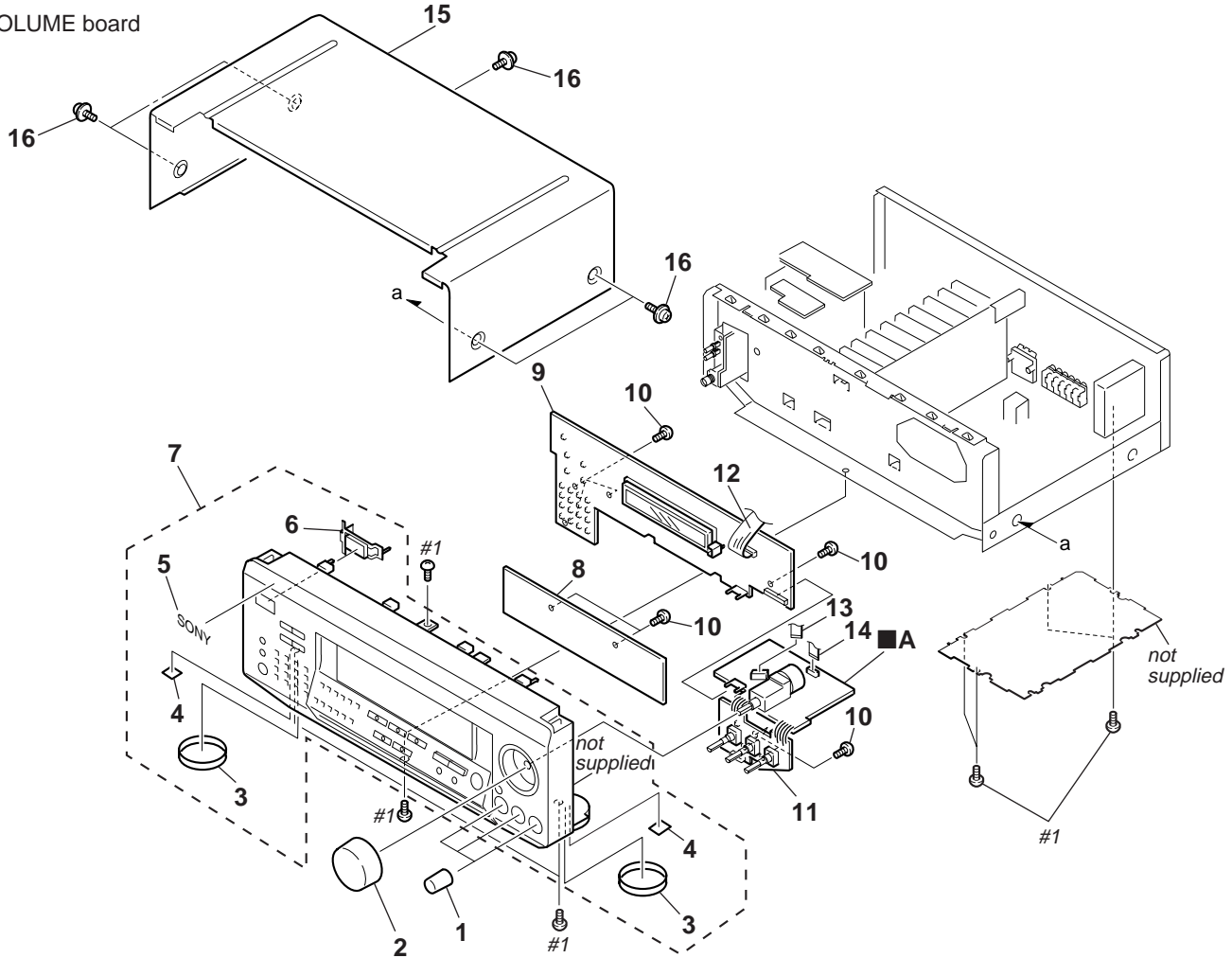
When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

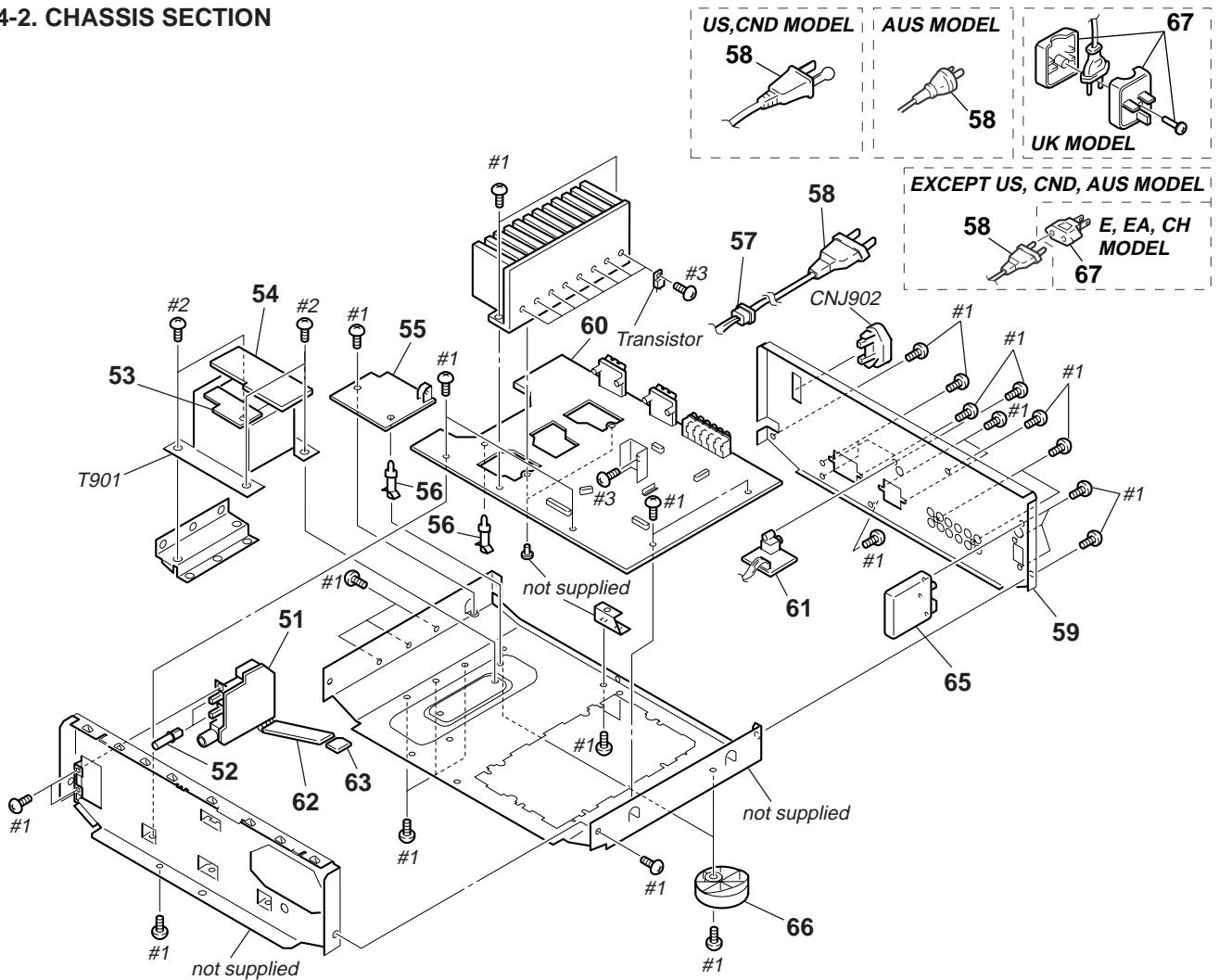
4-1. FRONT PANEL SECTION

■A : VOLUME board



| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|--------------------------|----------|--------------|--|------------------------------------|
| 1 | 4-998-717-01 | KNOB (BAL) | | * 9 | A-4407-510-A | DISPLAY BOARD, COMPLETE | |
| 2 | X-4949-627-1 | KNOB (VOL) ASSY | | | | (DE225:AEP,G,EE,UK) | |
| 3 | 4-977-593-11 | RING (DIA. 50), ORNAMENTAL | (EXCEPT US,CND) | * 9 | A-4407-515-A | DISPLAY BOARD, COMPLETE (DE325:AUS) | |
| 4 | 4-977-358-11 | CUSHION | | * 9 | A-4407-518-A | DISPLAY BOARD, COMPLETE (DE325:E,EA,CH) | |
| 5 | 4-996-698-01 | EMBLEM, SONY | | * 9 | A-4407-521-A | DISPLAY BOARD, COMPLETE (DE325:AEP,G,EE) | |
| 6 | 4-998-189-01 | BUTTON (P-T) | | 10 | 4-951-620-01 | SCREW (2.6 x 8), +BVTP | |
| 7 | X-4949-628-1 | FRONT PANEL ASSY (DE325:US,CND) | | * 11 | A-4407-436-A | VR-TONE BOARD, COMPLETE | (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| 7 | X-4949-629-1 | FRONT PANEL ASSY (DE225:CND) | | * 11 | A-4407-523-A | VR-TONE BOARD, COMPLETE | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| 7 | X-4949-679-1 | FRONT PANEL ASSY (DE325:AUS) | | 12 | 1-782-084-11 | WIRE (FLAT TYPE) (23 CORE) | |
| 7 | X-4949-680-1 | FRONT PANEL ASSY (DE325:E,EA,CH,SP,MY) | | 13 | 1-782-074-11 | WIRE (FLAT TYPE) (7 CORE) | |
| 7 | X-4949-681-1 | FRONT PANEL ASSY (DE325:AEP,G,EE) | | 14 | 1-782-075-11 | WIRE (FLAT TYPE) (9 CORE) | |
| 7 | X-4949-682-1 | FRONT PANEL ASSY (DE225:AEP,G,EE,UK) | | * 15 | 4-998-206-21 | CASE (413226) | |
| * 8 | 1-669-263-11 | 10 KEY BOARD | | 16 | 3-710-901-11 | SCREW, TAPPING | |
| * 9 | A-4407-424-A | DISPLAY BOARD, COMPLETE (DE325:SP,MY) | | | | | |
| * 9 | A-4407-434-A | DISPLAY BOARD, COMPLETE | (DE225:CND/DE325:US,CND) | | | | |

4-2. CHASSIS SECTION



| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------------------------|----------|--------------|--|---|
| * 51 | 1-669-270-11 | SP-SW BOARD | | * 60 | A-4407-529-A | MAIN BOARD, COMPLETE (DE325:AEP,G,EE) | |
| * 52 | 4-951-801-03 | BUTTON (S) | | * 61 | 1-669-273-11 | MIX-OUT BOARD | |
| * 53 | 1-669-267-11 | PRIMARY BOARD | | * 62 | 1-669-271-11 | SP-SW-A BOARD | |
| * 54 | 1-669-268-11 | SECONDARY BOARD | | * 63 | 1-669-272-11 | SP-SW-B BOARD | |
| * 55 | 1-669-266-11 | STAND BY BOARD | | * 64 | 1-669-269-11 | VOL-SEL BOARD (DE325:E,EA,CH) | |
| * 56 | 4-954-051-51 | HOLDER, PC BOARD | | 65 | 1-693-407-51 | TUNER (US,CND) | |
| * 57 | 3-703-244-21 | BUSHING (2104), CORD | | 65 | 1-693-408-31 | TUNER (EXCEPT US,CND,EE) | |
| △ 58 | 1-777-071-21 | CORD, POWER (EXCEPT US,CND,AUS) | | 65 | 1-693-411-31 | TUNER (EE) | |
| △ 58 | 1-696-847-21 | CORD, POWER (AUS) | | 66 | X-4947-207-2 | FOOT ASSY (F50150S) | |
| △ 58 | 1-783-204-11 | CORD, POWER (US,CND) | | 66 | X-4947-208-2 | FOOT ASSY (F50150S) | (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND) (DE225:CND/DE325:US,CND) |
| * 59 | 4-998-208-11 | BACK PANEL (E2) (DE225:CND) | | △ 67 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (E,EA,CH) | |
| * 59 | 4-998-208-21 | BACK PANEL (E2) (DE225:AEP,G,EE,UK) | | △ 67 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK) | |
| * 59 | 4-998-209-01 | BACK PANEL (E3) (DE325:US) | | △ CNJ902 | 1-251-416-11 | OUTLET, A.C. (AUS) | |
| * 59 | 4-998-209-11 | BACK PANEL (E3) (DE325:CND) | | △ CNJ902 | 1-526-794-11 | OUTLET, AC (AEP,G,EE,SP,MY) | |
| * 59 | 4-998-209-41 | BACK PANEL (E3) (DE325:CH) | | △ T901 | 1-431-264-11 | TRANSFORMER, POWER (DE325:CND) | |
| * 59 | 4-998-209-21 | BACK PANEL (E3) (DE325:AUS) | | △ T901 | 1-431-793-11 | TRANSFORMER, POWER (DE325:US) | |
| * 59 | 4-998-209-31 | BACK PANEL (E3) (DE325:SP,MY) | | △ T901 | 1-431-794-11 | TRANSFORMER, POWER (DE325:E,EA,CH) | |
| * 59 | 4-998-209-51 | BACK PANEL (E3) (DE325:E,EA) | | △ T901 | 1-431-795-11 | TRANSFORMER, POWER (DE325:SP,MY) | |
| * 59 | 4-998-209-61 | BACK PANEL (E3) (DE325:AEP,G) | | △ T901 | 1-431-796-11 | TRANSFORMER, POWER (DE325:AEP,G,EE) | |
| * 59 | 4-998-209-71 | BACK PANEL (E3) (DE325:EE) | | △ T901 | 1-431-798-11 | TRANSFORMER, POWER (DE225:AEP,G,EE,UK) | |
| * 60 | A-4407-425-A | MAIN BOARD, COMPLETE (DE225:CND) | | △ T901 | 1-431-799-11 | TRANSFORMER, POWER (DE225:CND) | |
| * 60 | A-4407-448-A | MAIN BOARD, COMPLETE (DE325:US) | | △ T901 | 1-431-818-11 | TRANSFORMER, POWER (DE325:AUS) | |
| * 60 | A-4407-512-A | MAIN BOARD, COMPLETE (DE225:AEP,G,EE,UK) | | | | | |
| * 60 | A-4407-514-A | MAIN BOARD, COMPLETE (DE325:CND) | | | | | |
| * 60 | A-4407-517-A | MAIN BOARD, COMPLETE | (DE325:E,EA,CH,AUS,SP,MY) | | | | |

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5 ELECTRICAL PARTS LIST

DISPLAY

NOTE:

When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...
- Abbreviation
CND : Canadian G : German
EE : East European MY : Malaysia
AUS : Australian SP : Singapore
CH : Chinese EA : Saudi Arabia

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|-----------------|----------|--------------|--|---------|
| * | A-4407-424-A | DISPLAY BOARD, COMPLETE (DE325:SP,MY) ***** | | D222 | 8-719-911-19 | DIODE 1SS119 (DE325:E,EA,CH,AUS,SP,MY) | |
| * | A-4407-434-A | DISPLAY BOARD, COMPLETE ***** (DE225:CND/DE325:US,CND) | | D223 | 8-719-991-33 | DIODE 1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| * | A-4407-510-A | DISPLAY BOARD, COMPLETE ***** (DE225:AEP,G,EE,UK) | | D223 | 8-719-911-19 | DIODE 1SS119 (DE325:AUS) | |
| * | A-4407-515-A | DISPLAY BOARD, COMPLETE (DE325:AUS) ***** | | D225 | 8-719-991-33 | DIODE 1SS133T-77 (DE225:AEP,G,EE,UK) | |
| * | A-4407-518-A | DISPLAY BOARD, COMPLETE (DE325:E,EA,CH) ***** | | D231 | 8-719-911-19 | DIODE 1SS119 | |
| * | A-4407-521-A | DISPLAY BOARD, COMPLETE (DE325:AEP,G,EE) ***** | | D235 | 8-719-046-39 | DIODE SEL5821A-TH15 (HALL) | |
| | | < CAPACITOR > | | D236 | 8-719-046-39 | DIODE SEL5821A-TH15 (C.STUDIO) | |
| C201 | 1-104-905-11 | CAPACITOR | 0.22F 5.5V | D237 | 8-719-046-39 | DIODE SEL5821A-TH15 (PRO LOGIC) | |
| C202 | 1-164-159-11 | CERAMIC | 0.1uF 50V | D239 | 8-719-046-39 | DIODE SEL5821A-TH15 (BASS BOOST) | |
| C203 | 1-124-465-00 | ELECT | 0.47uF 20% 50V | | | < FLUORESCENT > | |
| C204 | 1-164-159-11 | CERAMIC | 0.1uF 50V | FL201 | 1-517-662-11 | INDICATOR TUBE, FLUORESCENT | |
| C205 | 1-162-294-31 | CERAMIC | 0.001uF 10% 50V | | | < IC > | |
| C206 | 1-164-159-11 | CERAMIC | 0.1uF 50V | IC201 | 8-759-526-68 | IC uPD78044FGF-112-3B9 | |
| C207 | 1-126-096-11 | ELECT | 10uF 20% 35V | IC202 | 8-759-962-08 | IC BA6208 | |
| C208 | 1-126-096-11 | ELECT | 10uF 20% 35V | IC203 | 8-759-332-18 | IC GP1U27XB | |
| | | < CONNECTOR > | | | | < COIL > | |
| CNP205 | 1-779-366-11 | CONNECTOR, BOARD TO BOARD 4P | | L401 | 1-410-509-11 | INDUCTOR 10uH | |
| CNS201 | 1-568-742-11 | SOCKET, CONNECTOR 23P | | | | < TRANSISTOR > | |
| CNS202 | 1-770-400-11 | HOUSING, CONNECTOR(PC BOARD)7P | | Q201 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| | | < DIODE > | | Q202 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| D201 | 8-719-911-19 | DIODE 1SS119 | | Q231 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| D202 | 8-719-911-19 | DIODE 1SS119 | | | | < RESISTOR > | |
| D203 | 8-719-911-19 | DIODE 1SS119 | | R200 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D204 | 8-719-911-19 | DIODE 1SS119 | | R201 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| D211 | 8-719-911-19 | DIODE 1SS119 | | R202 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| D212 | 8-719-911-19 | DIODE 1SS119 | | R203 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| D213 | 8-719-991-33 | DIODE 1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R204 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| D214 | 8-719-991-33 | DIODE 1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R205 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| D215 | 8-719-911-19 | DIODE 1SS119 | | R207 | 1-249-429-11 | CARBON 10K 5% 1/4W (DE325:AEP,G,EE) | |
| D216 | 8-719-911-19 | DIODE 1SS119 | | R211 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D217 | 8-719-911-19 | DIODE 1SS119 | | R212 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D218 | 8-719-911-19 | DIODE 1SS119 | | R216 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D221 | 8-719-991-33 | DIODE 1SS133T-77 (DE325:EE) | | R221 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| D221 | 8-719-911-19 | DIODE 1SS119 (DE325:SP,MY) | | R222 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R223 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R224 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R225 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R226 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R227 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R228 | 1-249-406-11 | CARBON 120 5% 1/4W F | |
| | | | | R230 | 1-249-406-11 | CARBON 120 5% 1/4W F | |
| | | | | R231 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F | |

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|-------------|--|
| R270 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R280 | 1-249-419-11 | CARBON 1.5K | 5% 1/4W F (DE325:AEP,G,EE) |
| R281 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W F (DE225:AEP,G,EE,UK) |
| R282 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W (DE225:AEP,G,EE,UK) |
| R283 | 1-249-427-11 | CARBON 6.8K | 5% 1/4W F |
| R284 | 1-249-427-11 | CARBON 6.8K | 5% 1/4W F |
| R286 | 1-249-437-11 | CARBON 47K | 5% 1/4W |
| RD01 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD02 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD03 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD04 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD05 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD06 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD07 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD08 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD09 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD10 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD11 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD12 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD13 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD14 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD15 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD16 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD17 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD18 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD19 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD20 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD21 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD22 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD23 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD24 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| RD25 | 1-249-439-11 | CARBON 68K | 5% 1/4W (DE225:CND/DE325:EXCEPT AEP,G,EE) |

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|---|---------|
| | | < SWITCH > | |
| S200 | 1-762-751-11 | SWITCH, TACTILE (POEWR) | |
| S201 | 1-762-751-11 | SWITCH, TACTILE (CENTER LEVEL -) | |
| S202 | 1-762-751-11 | SWITCH, TACTILE (CENTER LEVEL +) | |
| S203 | 1-762-751-11 | SWITCH, TACTILE (REAR LEVEL -) | |
| S204 | 1-762-751-11 | SWITCH, TACTILE (REAR LEVEL +) | |
| S205 | 1-762-751-11 | SWITCH, TACTILE (PTY) (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| S206 | 1-762-751-11 | SWITCH, TACTILE (EON) (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| S207 | 1-762-751-11 | SWITCH, TACTILE (CHARACTER) (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| S208 | 1-762-751-11 | SWITCH, TACTILE (DISPLAY) (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| S209 | 1-762-751-11 | SWITCH, TACTILE (TUNING PTY SELECT-) | |
| S210 | 1-762-751-11 | SWITCH, TACTILE (TUNING PTY SELECT+) | |
| S211 | 1-762-751-11 | SWITCH, TACTILE (PRESET CHARACTER-) | |
| S212 | 1-762-751-11 | SWITCH, TACTILE (PRESET CHARACTER+) | |
| S213 | 1-762-751-11 | SWITCH, TACTILE (SLEEP) | |
| S214 | 1-762-751-11 | SWITCH, TACTILE (FM MODE) | |
| S215 | 1-762-751-11 | SWITCH, TACTILE (FM/AM) | |
| S216 | 1-762-751-11 | SWITCH, TACTILE (MEMORY) | |
| | | < VIBRATOR > | |
| X201 | 1-577-101-11 | VIBRATOR, CERAMIC 4.19MHZ | ***** |
| * | A-4407-425-A | MAIN BOARD, COMPLETE (DE225:CND) | ***** |
| * | A-4407-448-A | MAIN BOARD, COMPLETE (DE325:US) | ***** |
| * | A-4407-512-A | MAIN BOARD, COMPLETE (DE225:AEP,G,EE,UK) | ***** |
| * | A-4407-514-A | MAIN BOARD, COMPLETE (DE325:CND) | ***** |
| * | A-4407-517-A | MAIN BOARD, COMPLETE (DE325:E,EA,CH,AUS,SP,MY) | ***** |
| * | A-4407-529-A | MAIN BOARD, COMPLETE (DE325:AEP,G,EE) | ***** |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| | 3-905-609-01 | SCREW (TRANSISTOR) | |
| | 4-812-134-00 | RIVET (DIA. 3.5), NYLON | |
| | 7-685-872-09 | SCREW +BVTT 3X8 (S) | |
| | | < CAPACITOR > | |
| C3 | 1-162-286-21 | CERAMIC 220PF 10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C4 | 1-126-961-11 | ELECT 2.2uF 20% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C5 | 1-162-306-11 | CERAMIC 0.01uF 20% 16V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C6 | 1-162-291-31 | CERAMIC 560PF 10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C7 | 1-102-527-11 | CERAMIC 82PF 5% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C8 | 1-102-852-91 | CERAMIC 47PF 5% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|-------------|---|----------|--------------|-------------|--------------------------------------|
| C9 | 1-126-960-11 | ELECT | 1uF 20% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | C402 | 1-126-962-11 | ELECT | 3.3uF 20% 50V (DE325:AEP,G,EE) |
| C302 | 1-126-934-11 | ELECT | 220uF 20% 10V | C403 | 1-126-966-11 | ELECT | 33uF 20% 50V (DE325:AEP,G,EE) |
| C303 | 1-130-494-11 | MYLAR | 0.082uF 5% 50V | C404 | 1-162-286-21 | CERAMIC | 220PF 10% 50V (DE325:AEP,G,EE) |
| C304 | 1-137-367-11 | FILM | 0.0033uF 5% 50V | C405 | 1-137-459-11 | FILM | 0.0056uF 5% 100V (DE325:AEP,G,EE) |
| C305 | 1-130-494-11 | MYLAR | 0.082uF 5% 50V | C406 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C306 | 1-126-959-11 | ELECT | 0.47uF 20% 50V | C407 | 1-137-365-11 | FILM | 0.0015uF 5% 50V (DE325:AEP,G,EE) |
| C307 | 1-126-964-11 | ELECT | 10uF 20% 50V | C408 | 1-162-294-31 | CERAMIC | 0.001uF 10% 50V |
| C308 | 1-126-964-11 | ELECT | 10uF 20% 50V | C409 | 1-126-962-11 | ELECT | 3.3uF 20% 50V (DE325:AEP,G,EE) |
| C309 | 1-162-291-31 | CERAMIC | 560PF 10% 50V | C410 | 1-164-159-21 | CERAMIC | 0.1uF 50V (DE325:AEP,G,EE) |
| C310 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | C412 | 1-162-291-31 | CERAMIC | 560PF 10% 50V |
| C311 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C413 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C312 | 1-126-934-11 | ELECT | 220uF 20% 10V | C415 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C313 | 1-126-934-11 | ELECT | 220uF 20% 10V | C416 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C314 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C434 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C315 | 1-164-159-11 | CERAMIC | 0.1uF 50V | C435 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C316 | 1-124-252-00 | ELECT | 0.33uF 20% 50V | C451 | 1-162-286-21 | CERAMIC | 220PF 10% 50V (DE325:AEP,G,EE) |
| C318 | 1-136-357-11 | FILM | 680PF 5% 50V | C452 | 1-126-962-11 | ELECT | 3.3uF 20% 50V (DE325:AEP,G,EE) |
| C322 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | C453 | 1-126-966-11 | ELECT | 33uF 20% 50V (DE325:AEP,G,EE) |
| C323 | 1-136-173-00 | FILM | 0.47uF 5% 50V | C454 | 1-162-286-21 | CERAMIC | 220PF 10% 50V (DE325:AEP,G,EE) |
| C324 | 1-126-967-11 | ELECT | 47uF 20% 16V | C455 | 1-137-459-11 | FILM | 0.0056uF 5% 100V (DE325:AEP,G,EE) |
| C325 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C457 | 1-137-365-11 | FILM | 0.0015uF 5% 50V (DE325:AEP,G,EE) |
| C326 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C459 | 1-126-962-11 | ELECT | 3.3uF 20% 50V (DE325:AEP,G,EE) |
| C327 | 1-126-959-11 | ELECT | 0.47uF 20% 50V | C460 | 1-164-159-21 | CERAMIC | 0.1uF 50V (DE325:AEP,G,EE) |
| C328 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | C602 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C329 | 1-126-959-11 | ELECT | 0.47uF 20% 50V | C603 | 1-126-933-11 | ELECT | 100uF 20% 10V |
| C330 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | C605 | 1-102-233-00 | CERAMIC | 33PF 10% 500V |
| C331 | 1-124-250-11 | ELECT | 0.15uF 20% 50V | C610 | 1-126-967-11 | ELECT | 47uF 20% 16V |
| C332 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | C611 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| C333 | 1-124-250-11 | ELECT | 0.15uF 20% 50V | C620 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C334 | 1-137-372-11 | FILM | 0.022uF 5% 50V | C652 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C335 | 1-136-161-00 | FILM | 0.047uF 5% 50V | C653 | 1-126-933-11 | ELECT | 100uF 20% 10V |
| C336 | 1-126-934-11 | ELECT | 220uF 20% 10V | C655 | 1-102-233-00 | CERAMIC | 33PF 10% 500V |
| C337 | 1-126-964-11 | ELECT | 10uF 20% 50V | C660 | 1-126-967-11 | ELECT | 47uF 20% 16V |
| C338 | 1-126-964-11 | ELECT | 10uF 20% 50V | C661 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| C339 | 1-126-964-11 | ELECT | 10uF 20% 50V | C670 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C340 | 1-126-964-11 | ELECT | 10uF 20% 50V | C702 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C341 | 1-126-934-11 | ELECT | 220uF 20% 10V | C703 | 1-126-933-11 | ELECT | 100uF 20% 10V |
| C342 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | C705 | 1-102-233-00 | CERAMIC | 33PF 10% 500V |
| C343 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | C710 | 1-126-967-11 | ELECT | 47uF 20% 16V |
| C344 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C711 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| C345 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C720 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C346 | 1-126-959-11 | ELECT | 0.47uF 20% 50V | C721 | 1-126-934-11 | ELECT | 220uF 20% 10V |
| C347 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | C722 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C348 | 1-126-959-11 | ELECT | 0.47uF 20% 50V | | | | |
| C349 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | | | | |
| C350 | 1-124-250-11 | ELECT | 0.15uF 20% 50V | | | | |
| C351 | 1-126-962-11 | ELECT | 3.3uF 20% 50V | | | | |
| C352 | 1-124-250-11 | ELECT | 0.15uF 20% 50V | | | | |
| C353 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C354 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C355 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C356 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C357 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C358 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C359 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | | | | |
| C360 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | | | | |
| C370 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C371 | 1-126-966-11 | ELECT | 33uF 20% 50V | | | | |
| C401 | 1-162-286-21 | CERAMIC | 220PF 10% 50V (DE325:AEP,G,EE) | | | | |

MAIN

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--------------|---|----------|--------------|------------------------------------|---------|
| C740 | 1-128-560-11 | ELECT | 22uF 20% 100V | CC02 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C741 | 1-128-560-11 | ELECT | 22uF 20% 100V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C742 | 1-126-925-11 | ELECT | 470uF 20% 10V | CC03 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C743 | 1-126-925-11 | ELECT | 470uF 20% 10V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C752 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | CC04 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C753 | 1-126-933-11 | ELECT | 100uF 20% 10V | CC05 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C755 | 1-102-233-00 | CERAMIC | 33PF 10% 500V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C760 | 1-126-967-11 | ELECT | 47uF 20% 16V | CC06 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C761 | 1-137-372-11 | FILM | 0.022uF 5% 50V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C770 | 1-162-286-31 | CERAMIC | 220PF 10% 50V | CC07 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C799 | 1-164-159-21 | CERAMIC | 0.1uF 50V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:AEP,G,EE) | CC12 | 1-164-096-11 | CERAMIC 0.01uF 50V | |
| C801 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C802 | 1-104-664-11 | ELECT | 47uF 20% 25V | CC13 | 1-164-096-11 | CERAMIC 0.01uF 50V | |
| C803 | 1-128-493-11 | ELECT | 4700uF 20% 63V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE225) | CC51 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C803 | 1-109-932-11 | ELECT(BLOCK) | 10000uF 20% 71V | | | (DE325:AEP,G,EE) | |
| | | | (DE325:US) | CC52 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C803 | 1-107-766-11 | ELECT(BLOCK) | 8200uF 20% 71V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:CND:AEP,G,EE) | CC53 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C803 | 1-104-595-11 | ELECT(BLOCK) | 6800uF 20% 71V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:E,EA,CH,AUS,SP,MY) | CC54 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C804 | 1-128-493-11 | ELECT | 4700uF 20% 63V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE225) | CC55 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C804 | 1-109-932-11 | ELECT(BLOCK) | 10000uF 20% 71V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:US) | CC56 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| C804 | 1-107-766-11 | ELECT(BLOCK) | 8200uF 20% 71V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:CND:AEP,G,EE) | CC57 | 1-162-282-31 | CERAMIC 100PF 10% 50V | |
| | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| C804 | 1-104-595-11 | ELECT(BLOCK) | 6800uF 20% 71V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE325:E,EA,CH,AUS,SP,MY) | CC62 | 1-164-096-11 | CERAMIC 0.01uF 50V | |
| C805 | 1-115-694-21 | MYLAR | 0.22uF 5% 100V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE225:AEP,G,EE,UK/DE325:EXCEPTUS,CND) | CC63 | 1-164-096-11 | CERAMIC 0.01uF 50V | |
| C805 | 1-137-420-11 | FILM | 0.047uF 10% 100V | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| | | | (DE225:CND/DE325:US,CND) | | | < CONNECTOR > | |
| C806 | 1-115-694-21 | MYLAR | 0.22uF 5% 100V | | | | |
| | | | (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND) | CNP401 | 1-774-289-11 | PIN, CONNECTOR (PC BOARD) 15P | |
| C806 | 1-137-420-11 | FILM | 0.047uF 10% 100V | CNP702 | 1-750-388-11 | PIN, CONNECTOR 5P | |
| | | | (DE225:CND/DE325:US,CND) | CNS204 | 1-568-742-11 | SOCKET, CONNECTOR 23P | |
| C807 | 1-104-664-11 | ELECT | 47uF 20% 25V | CNS252 | 1-691-765-11 | PLUG (MICRO CONNECTOR) 3P | |
| | | | | CNS301 | 1-568-442-11 | SOCKET, CONNECTOR 9P | |
| C808 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C809 | 1-126-960-11 | ELECT | 1uF 20% 50V | CNS701 | 1-568-439-11 | SOCKET, CONNECTOR 7P | |
| C810 | 1-126-960-11 | ELECT | 1uF 20% 50V | CNS802 | 1-770-480-11 | SOCKET, CONNECTOR PIN 4P | |
| C811 | 1-126-942-61 | ELECT | 1000uF 20% 25V | | | | |
| C812 | 1-126-941-11 | ELECT | 470uF 20% 25V | | | < DIODE > | |
| | | | | D610 | 8-719-911-19 | DIODE 1SS119 | |
| C813 | 1-101-001-00 | CERAMIC | 0.001uF 50V | D710 | 8-719-911-19 | DIODE 1SS119 | |
| C814 | 1-101-001-00 | CERAMIC | 0.001uF 50V | D721 | 8-719-911-19 | DIODE 1SS119 | |
| C820 | 1-161-494-00 | CERAMIC | 0.022uF 25V | D722 | 8-719-911-19 | DIODE 1SS119 | |
| C821 | 1-161-494-00 | CERAMIC | 0.022uF 25V | D723 | 8-719-911-19 | DIODE 1SS119 | |
| C822 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C823 | 1-104-664-11 | ELECT | 47uF 20% 25V | D724 | 8-719-911-19 | DIODE 1SS119 | |
| C950 | 1-126-767-11 | ELECT | 1000uF 20% 16V | D725 | 8-719-911-19 | DIODE 1SS119 | |
| C951 | 1-164-097-11 | CERAMIC | 0.022uF 50V | D801 | 8-719-986-54 | DIODE HZS24-1LTA | |
| C952 | 1-126-960-11 | ELECT | 1uF 20% 50V | D802 | 8-719-302-38 | DIODE RBV-602-01 | |
| C953 | 1-124-464-11 | ELECT | 0.22uF 20% 50V | D804 | 8-719-109-85 | DIODE RD5.1ES-B2 | |
| | | | | | | | |
| C954 | 1-126-096-11 | ELECT | 10uF 20% 35V | D810 | 8-719-200-82 | DIODE 11ES2 | |
| C955 | 1-164-159-11 | CERAMIC | 0.1uF 50V | D811 | 8-719-200-82 | DIODE 11ES2 | |
| C957 | 1-164-159-11 | CERAMIC | 0.1uF 50V | D812 | 8-719-200-82 | DIODE 11ES2 | |
| CC01 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | D813 | 8-719-200-82 | DIODE 11ES2 | |
| | | | (DE325:AEP,G,EE) | D814 | 8-719-911-19 | DIODE 1SS119 | |

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------|----------|--------------|---|---------|
| D815 | 8-719-911-19 | DIODE 1SS119 | | Q701 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| D817 | 8-719-936-61 | DIODE GL-9HY35 | | Q702 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| D818 | 8-719-911-19 | DIODE 1SS119 | | Q703 | 8-749-010-25 | IC MN2488-OPY-M | |
| D820 | 8-719-200-82 | DIODE 11ES2 | | Q704 | 8-749-010-26 | IC MP1620-OPY-M | |
| D821 | 8-719-200-82 | DIODE 11ES2 | | Q710 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| D822 | 8-719-200-82 | DIODE 11ES2 | | Q720 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| D823 | 8-719-200-82 | DIODE 11ES2 | | Q721 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| D901 | 8-719-911-19 | DIODE 1SS119 | | Q722 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | |
| | | < TERMINAL > | | Q723 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| * G200 | 1-537-738-21 | TERMINAL, EARTH | | Q751 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| * G201 | 1-537-738-21 | TERMINAL, EARTH | | Q752 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| * G202 | 1-537-738-21 | TERMINAL, EARTH | | Q753 | 8-749-010-25 | IC MN2488-OPY-M | |
| * G203 | 1-537-738-21 | TERMINAL, EARTH | | Q754 | 8-749-010-26 | IC MP1620-OPY-M | |
| | | < IC > | | Q770 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| IC1 | 8-759-450-86 | IC BU1922 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | Q801 | 8-729-140-97 | TRANSISTOR 2SB734-34 | |
| IC300 | 8-759-527-00 | IC LV1035M | | Q802 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| IC302 | 8-759-636-74 | IC M5218AP-22 | | Q808 | 8-729-180-92 | TRANSISTOR 2SD809-K | |
| IC401 | 8-759-805-14 | IC LC7822 | | Q809 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| IC402 | 8-759-636-74 | IC M5218AP-22(DE325:AEP,G,EE) | | Q951 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| IC701 | 8-759-326-52 | IC uPC2581V | | | | < RESISTOR > | |
| IC702 | 8-759-326-52 | IC uPC2581V | | R5 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| IC801 | 8-759-231-58 | IC TA7812S | | R6 | 1-247-807-31 | CARBON 100 5% 1/4W (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| IC802 | 8-759-604-45 | IC M5F79M12 | | R7 | 1-247-807-31 | CARBON 100 5% 1/4W (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| IC950 | 8-759-333-83 | IC NJM2103D | | R298 | 1-249-387-11 | CARBON 3.3 5% 1/4W F (DE225:CND) | |
| | | < JACK > | | R298 | 1-249-385-11 | CARBON 2.2 5% 1/6W F (DE325:EXCEPT AEP,G,EE) | |
| J401 | 1-770-614-11 | JACK, PIN 4P (PHONO/CD)(DE325:AEP,G,EE) | | R298 | 1-249-381-11 | CARBON 1 5% 1/4W F (DE325:AEP,G,EE) | |
| J402 | 1-691-887-11 | JACK, PIN 6P (TAPE MD/TV/LD) | | R299 | 1-249-387-11 | CARBON 3.3 5% 1/4W F (DE225:CND) | |
| J403 | 1-580-825-11 | JACK, PIN 6P (VIDEO) | | R299 | 1-249-385-11 | CARBON 2.2 5% 1/6W F (DE325:EXCEPT AEP,G,EE) | |
| | | < COIL > | | R299 | 1-249-381-11 | CARBON 1 5% 1/4W F (DE325:AEP,G,EE) | |
| L1 | 1-410-521-11 | INDUCTOR 100uH (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R300 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| L301 | 1-410-509-11 | INDUCTOR 10uH | | R301 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| L601 | 1-420-872-00 | COIL, AIR-CORE | | R302 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| L651 | 1-420-872-00 | COIL, AIR-CORE | | R303 | 1-249-439-11 | CARBON 68K 5% 1/4W | |
| L701 | 1-420-872-00 | COIL, AIR-CORE | | R304 | 1-249-438-11 | CARBON 56K 5% 1/4W | |
| L751 | 1-420-872-00 | COIL, AIR-CORE | | R306 | 1-249-436-11 | CARBON 39K 5% 1/4W | |
| | | < TRANSISTOR > | | R307 | 1-247-862-11 | CARBON 20K 5% 1/4W | |
| Q303 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R308 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| Q304 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R309 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| Q307 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R342 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| Q308 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R343 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| Q601 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R352 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| Q602 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R353 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| Q603 | 8-749-010-25 | IC MN2488-OPY-M | | R354 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| Q604 | 8-749-010-26 | IC MP1620-OPY-M | | R355 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| Q610 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | R356 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| Q620 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | | R357 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| Q651 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R358 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| Q652 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R359 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| Q653 | 8-749-010-25 | IC MN2488-OPY-M | | R360 | 1-247-843-11 | CARBON 3.3K 5% 1/4W | |
| Q654 | 8-749-010-26 | IC MP1620-OPY-M | | | | | |
| Q670 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | | | | | |

MAIN

| Ref. No. | Part No. | Description | | Remarks | Ref. No. | Part No. | Description | | Remarks |
|----------|--------------|-------------|------|-------------------------------|----------|--------------|------------------------|--------|------------------------------------|
| R361 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | R602 | 1-249-439-11 | CARBON | 68K 5% | 1/4W |
| R362 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | R603 | 1-249-416-11 | CARBON | 820 | 5% 1/4W F |
| R363 | 1-249-411-11 | CARBON | 330 | 5% 1/4W | | | | | (DE225:AEP,G,EE,UK) |
| R401 | 1-249-411-11 | CARBON | 330 | 5% 1/4W (DE325:AEP,G,EE) | R603 | 1-249-414-11 | CARBON | 560 | 5% 1/4W F |
| | | | | | | | | | (DE225:CND/DE325:AEP,G,EE) |
| R402 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W F | R603 | 1-249-412-11 | CARBON | 390 | 5% 1/4W F |
| R403 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | | | | | (DE325:US,CND) |
| R404 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R603 | 1-249-413-11 | CARBON | 470 | 5% 1/4W F |
| R405 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | | | | | (DE325:E,EA,CH,AUS,SP,MY) |
| R406 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R604 | 1-249-439-11 | CARBON | 68K | 5% 1/4W |
| | | | | | R605 | 1-249-441-11 | CARBON | 100K | 5% 1/4W |
| R407 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R610 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W F |
| R408 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | R611 | 1-249-440-11 | CARBON | 82K | 5% 1/4W |
| R409 | 1-249-437-11 | CARBON | 47K | 5% 1/4W (DE325:AEP,G,EE) | R613 | 1-249-414-11 | CARBON | 560 | 5% 1/4W F |
| R410 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | △ R614 | 1-249-409-11 | CARBON | 220 | 5% 1/4W F |
| | | | | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| R411 | 1-249-416-11 | CARBON | 820 | 5% 1/4W F (DE325:AEP,G,EE) | △ R614 | 1-249-408-11 | CARBON | 180 | 5% 1/4W F |
| | | | | | | | | | (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| R412 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | △ R615 | 1-249-409-11 | CARBON | 220 | 5% 1/4W F |
| | | | | | | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| R413 | 1-249-437-11 | CARBON | 47K | 5% 1/4W (DE325:AEP,G,EE) | △ R615 | 1-249-408-11 | CARBON | 180 | 5% 1/4W F |
| | | | | | | | | | (DE225:CND/DE325:EXCEPT AEP,G,EE) |
| R414 | 1-249-425-11 | CARBON | 4.7K | 5% 1/4W F | △ R616 | 1-233-352-21 | ENCAPSULATED COMPONENT | | |
| R415 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | △ R617 | 1-249-393-11 | CARBON | 10 | 5% 1/4W F |
| R416 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F (DE325:AEP,G,EE) | R618 | 1-249-389-11 | CARBON | 4.7 | 5% 1/4W F |
| R417 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | △ R619 | 1-249-405-11 | CARBON | 100 | 5% 1/4W F |
| | | | | | R620 | 1-249-419-11 | CARBON | 1.5K | 5% 1/4W F |
| R435 | 1-249-418-11 | CARBON | 1.2K | 5% 1/4W F | R621 | 1-249-426-11 | CARBON | 5.6K | 5% 1/4W |
| R442 | 1-249-418-11 | CARBON | 1.2K | 5% 1/4W F | | | | | (DE225/DE325:E,EA,CH,AUS,SP,MY) |
| R443 | 1-249-418-11 | CARBON | 1.2K | 5% 1/4W F | R621 | 1-249-427-11 | CARBON | 6.8K | 5% 1/4W F |
| R447 | 1-249-416-11 | CARBON | 820 | 5% 1/4W F | | | | | (DE325:US,CND,AEP,G,EE) |
| R448 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | △ R622 | 1-249-403-11 | CARBON | 68 | 5% 1/4W F |
| R449 | 1-249-433-11 | CARBON | 22K | 5% 1/4W | R623 | 1-249-437-11 | CARBON | 47K | 5% 1/4W |
| R451 | 1-249-411-11 | CARBON | 330 | 5% 1/4W (DE325:AEP,G,EE) | R630 | 1-249-426-11 | CARBON | 5.6K | 5% 1/4W |
| R452 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W F | R631 | 1-247-881-00 | CARBON | 120K | 5% 1/4W |
| R453 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | | | | | (DE225:AEP,G,EE,UK) |
| R454 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R631 | 1-247-887-00 | CARBON | 220K | 5% 1/4W |
| R455 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | | | | | (DE225:CND/DE325) |
| R456 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R632 | 1-249-426-11 | CARBON | 5.6K | 5% 1/4W |
| R457 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R651 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F |
| R458 | 1-249-429-11 | CARBON | 10K | 5% 1/4W | R652 | 1-249-439-11 | CARBON | 68K | 5% 1/4W |
| | | | | | R653 | 1-249-416-11 | CARBON | 820 | 5% 1/4W F |
| R459 | 1-249-437-11 | CARBON | 47K | 5% 1/4W (DE325:AEP,G,EE) | | | | | (DE225:AEP,G,EE,UK) |
| R460 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | R653 | 1-249-414-11 | CARBON | 560 | 5% 1/4W F |
| | | | | | | | | | (DE225:CND/DE325:AEP,G,EE) |
| R461 | 1-249-416-11 | CARBON | 820 | 5% 1/4W F (DE325:AEP,G,EE) | R653 | 1-249-412-11 | CARBON | 390 | 5% 1/4W F |
| | | | | | | | | | (DE325:US,CND) |
| R462 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | R653 | 1-249-413-11 | CARBON | 470 | 5% 1/4W F |
| | | | | | | | | | (DE325:E,EA,CH,AUS,SP,MY) |
| R463 | 1-249-437-11 | CARBON | 47K | 5% 1/4W (DE325:AEP,G,EE) | R654 | 1-249-439-11 | CARBON | 68K | 5% 1/4W |
| | | | | | R655 | 1-249-441-11 | CARBON | 100K | 5% 1/4W |
| R465 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | R660 | 1-249-421-11 | CARBON | 2.2K | 5% 1/4W F |
| R466 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F (DE325:AEP,G,EE) | R661 | 1-249-440-11 | CARBON | 82K | 5% 1/4W |
| R467 | 1-247-897-11 | CARBON | 560K | 5% 1/4W (DE325:AEP,G,EE) | R663 | 1-249-414-11 | CARBON | 560 | 5% 1/4W F |
| R601 | 1-249-417-11 | CARBON | 1K | 5% 1/4W F | | | | | |

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------|----------|--------------|---|---------|
| △ R664 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R734 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| △ R664 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | | △ R740 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| △ R665 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | △ R741 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| △ R665 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | | R742 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| △ R666 | 1-233-352-21 | ENCAPSULATED COMPONENT | | R743 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| △ R667 | 1-249-393-11 | CARBON 10 5% 1/4W F | | R751 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R668 | 1-249-389-11 | CARBON 4.7 5% 1/4W F | | R752 | 1-249-439-11 | CARBON 68K 5% 1/4W | |
| R670 | 1-249-419-11 | CARBON 1.5K 5% 1/4W F | | R753 | 1-249-416-11 | CARBON 820 5% 1/4W F (DE225:AEP,G,EE,UK) | |
| R671 | 1-249-426-11 | CARBON 5.6K 5% 1/4W (DE225/DE325:E,EA,CH,AUS,SP,MY) | | R753 | 1-249-414-11 | CARBON 560 5% 1/4W F (DE225:CND/DE325:AEP,G,EE) | |
| R671 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F (DE325:US,CND,AEP,G,EE) | | R753 | 1-249-412-11 | CARBON 390 5% 1/4W F (DE325:US,CND) | |
| R672 | 1-249-431-11 | CARBON 15K 5% 1/4W | | R753 | 1-249-413-11 | CARBON 470 5% 1/4W F (DE325:E,EA,CH,AUS,SP,MY) | |
| R673 | 1-249-437-11 | CARBON 47K 5% 1/4W | | R754 | 1-249-439-11 | CARBON 68K 5% 1/4W | |
| R701 | 1-249-417-11 | CARBON 1K 5% 1/4W F | | R755 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R702 | 1-249-439-11 | CARBON 68K 5% 1/4W | | R760 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| R703 | 1-249-416-11 | CARBON 820 5% 1/4W F (DE225:AEP,G,EE,UK) | | R761 | 1-249-440-11 | CARBON 82K 5% 1/4W | |
| R703 | 1-249-414-11 | CARBON 560 5% 1/4W F (DE225:CND/DE325:AEP,G,EE) | | R763 | 1-249-414-11 | CARBON 560 5% 1/4W F | |
| R703 | 1-249-412-11 | CARBON 390 5% 1/4W F (DE325:US,CND) | | △ R764 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| R703 | 1-249-413-11 | CARBON 470 5% 1/4W F (DE325:E,EA,CH,AUS,SP,MY) | | △ R764 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | |
| R704 | 1-249-439-11 | CARBON 68K 5% 1/4W | | △ R765 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| R705 | 1-249-441-11 | CARBON 100K 5% 1/4W | | △ R765 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | |
| R710 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | | △ R766 | 1-233-352-21 | ENCAPSULATED COMPONENT | |
| R711 | 1-249-440-11 | CARBON 82K 5% 1/4W | | △ R767 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| R713 | 1-249-414-11 | CARBON 560 5% 1/4W F | | R768 | 1-249-389-11 | CARBON 4.7 5% 1/4W F | |
| △ R714 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R770 | 1-249-419-11 | CARBON 1.5K 5% 1/4W F | |
| △ R714 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | | R771 | 1-249-426-11 | CARBON 5.6K 5% 1/4W (DE225/DE325:E,EA,CH,AUS,SP,MY) | |
| △ R715 | 1-249-409-11 | CARBON 220 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | | R771 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F (DE325:US,CND,AEP,G,EE) | |
| △ R715 | 1-249-408-11 | CARBON 180 5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE) | | R772 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| △ R716 | 1-233-352-21 | ENCAPSULATED COMPONENT | | R773 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| △ R717 | 1-249-393-11 | CARBON 10 5% 1/4W F | | R781 | 1-247-881-00 | CARBON 120K 5% 1/4W (DE225:AEP,G,EE,UK) | |
| R718 | 1-249-389-11 | CARBON 4.7 5% 1/4W F | | R781 | 1-247-887-00 | CARBON 220K 5% 1/4W (DE225:CND/DE325) | |
| △ R719 | 1-249-405-11 | CARBON 100 5% 1/4W F | | △ R803 | 1-249-389-11 | CARBON 4.7 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND) | |
| R720 | 1-249-419-11 | CARBON 1.5K 5% 1/4W F | | △ R803 | 1-247-739-11 | CARBON 100 5% 1/2W F (DE225:CND/DE325:US,CND) | |
| R721 | 1-249-426-11 | CARBON 5.6K 5% 1/4W (DE225/DE325:E,EA,CH,AUS,SP,MY) | | R804 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F (DE225:AEP,G,EE,UK) | |
| R721 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F (DE325:US,CND,AEP,G,EE) | | R804 | 1-249-426-11 | CARBON 5.6K 5% 1/4W (DE225:CND) | |
| △ R722 | 1-249-403-11 | CARBON 68 5% 1/4W F | | R804 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F (DE325:US,CND) | |
| R723 | 1-249-437-11 | CARBON 47K 5% 1/4W | | R804 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F (DE325:E,EA,CH,AUS,SP,MY) | |
| R724 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | | R821 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R725 | 1-249-429-11 | CARBON 10K 5% 1/4W | | R822 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| R726 | 1-249-417-11 | CARBON 1K 5% 1/4W F | | R823 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R727 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F | | R824 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| R730 | 1-249-429-11 | CARBON 10K 5% 1/4W | | | | | |
| R731 | 1-247-881-00 | CARBON 120K 5% 1/4W (DE225:AEP,G,EE,UK) | | | | | |
| R731 | 1-247-887-00 | CARBON 220K 5% 1/4W (DE225:CND/DE325) | | | | | |

| | |
|---|---|
| <p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p> | <p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|---|---|

MAIN **MIX-OUT** **PRIMARY** **SECONDARY** **SP-SW**

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|---|--|
| R825 | 1-249-407-11 | CARBON 150 5% | 1/4W F |
| △ R830 | 1-249-405-11 | CARBON 100 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND) |
| △ R830 | 1-249-402-11 | CARBON 56 5% | 1/4W F (DE225:CND/DE325:CND) |
| △ R831 | 1-249-403-11 | CARBON 68 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND) |
| △ R831 | 1-249-402-11 | CARBON 56 5% | 1/4W F (DE225:CND/DE325:CND) |
| R950 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R951 | 1-249-428-11 | CARBON 8.2K 5% | 1/4W F |
| R952 | 1-249-422-11 | CARBON 2.7K 5% | 1/4W F |
| R953 | 1-249-433-11 | CARBON 22K 5% | 1/4W |
| R954 | 1-249-439-11 | CARBON 68K 5% | 1/4W |
| R955 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R956 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| R957 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R958 | 1-249-401-11 | CARBON 47 5% | 1/4W F |
| R960 | 1-249-431-11 | CARBON 15K 5% | 1/4W |
| RR01 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W F (DE325:AEP,G,EE) |
| RR04 | 1-249-393-11 | CARBON 10 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| RR05 | 1-249-393-11 | CARBON 10 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| RR51 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W F (DE325:AEP,G,EE) |
| RR54 | 1-249-393-11 | CARBON 10 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| RR55 | 1-249-393-11 | CARBON 10 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) |
| | | < RELAY > | |
| RY601 | 1-515-921-11 | RELAY (12V) | |
| RY701 | 1-515-921-11 | RELAY (12V) | |
| RY801 | 1-755-013-11 | RELAY (DE225:AEP,G,EE,UK/DE325:EXCEPT CND) | |
| RY851 | 1-755-209-11 | RELAY (DE225:CND/DE325:CND) | |
| RY852 | 1-755-209-11 | RELAY (DE225:CND/DE325:CND) | |
| | | < TERMINAL > | |
| TM601 | 1-537-510-11 | TERMINAL BOARD (6P)(SURRPUND SPEAKER) | |
| TM701 | 1-537-376-11 | TERMINAL BOARD (FRONT SPEAKER) | |
| | | < VIBRATOR > | |
| X1 | 1-579-900-21 | VIBRATOR, CRYSTAL 4.33MHZ (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| X301 | 1-579-952-21 | VIBRATOR,CERAMIC 8MHZ (DE225:AEP,G,EE,UK) | |
| X301 | 1-579-952-11 | VIBRATOR,CERAMIC 8MHZ(DE225:CND/DE325) | |
| ***** | | | |
| * | 1-669-273-11 | MIX-OUT BOARD ***** | |
| | | < JACK > | |
| J254 | 1-774-843-11 | JACK, PIN 1P (MIX AUDIO OUT) | |
| ***** | | | |

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|--|
| * | 1-669-267-11 | PRIMARY BOARD ***** | |
| | 1-533-233-21 | HOLDER, FUSE < CONNECTOR > | |
| * CNP902 | 1-564-321-21 | PIN, CONNECTOR 2P < FUSE > | |
| △ F901 | 1-576-109-11 | FUSE TIME LAG 5A/125V (DE225:CND/DE325:US,CND) | |
| △ F901 | 1-532-388-51 | FUSE TIME LAG 2A/250V (DE325:E,EA,CH,AUS,SP,MY) | |
| △ F901 | 1-532-464-51 | FUSE TIME LAG 2.5A/250V (DE325:AEP,G,EE) | |
| △ F901 | 1-532-503-51 | FUSE TIME LAG 1.6A/250V (DE225:AEP,G,EE,UK) | |
| ***** | | | |
| * | 1-669-268-11 | SECONDARY BOARD ***** | |
| | | < CONNECTOR > | |
| CNP801 | 1-764-480-11 | PIN, CONNECTOR (PC BOARD) 11P < RESISTOR > | |
| △ R810 | 1-219-124-11 | FUSIBLE 0.68 5% | 1/4W F (DE225:CND/DE325:CND) |
| △ R810 | 1-249-381-11 | CARBON 1 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND) |
| △ R811 | 1-219-124-11 | FUSIBLE 0.68 5% | 1/4W F (DE225:CND/DE325:CND) |
| △ R811 | 1-249-381-11 | CARBON 1 5% | 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND) |
| ***** | | | |
| * | 1-669-270-11 | SP-SW BOARD ***** | |
| | | < CONNECTOR > | |
| CNP703 | 1-764-474-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CNP704 | 1-764-473-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| CNS702 | 1-770-378-11 | CONNECTOR, BOARD TO BOARD 5P < JACK > | |
| J741 | 1-750-733-11 | JACK (LARGE TYPE)(PHONES) < RESISTOR > | |
| R741 | 1-247-753-11 | CARBON 1.2K 5% 1/2W(DE225:CND/DE325) | |
| R741 | 1-260-097-11 | CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK) | |
| R742 | 1-247-753-11 | CARBON 1.2K 5% 1/2W(DE225:CND/DE325) | |
| R742 | 1-260-097-11 | CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK) | |
| R791 | 1-247-753-11 | CARBON 1.2K 5% 1/2W(DE225:CND/DE325) | |
| R791 | 1-260-097-11 | CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK) | |
| R792 | 1-247-753-11 | CARBON 1.2K 5% 1/2W(DE225:CND/DE325) | |
| R792 | 1-260-097-11 | CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK) | |

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| <p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p> | <p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|---|---|

SP-SW

SP-SW-A

SP-SW-B

STAND BY

VOL-SEL

VR-TONE

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------------|----------|--------------|------------------------------------|-----------------|
| | | < SWITCH > | | | | < CONNECTOR > | |
| S701 | 1-762-319-11 | SWITCH, PUSH (2 KEY)(SPEAKER A/B) | | * CNP907 | 1-565-395-11 | PIN, CONNECTOR 3P | |
| ***** | | | | CNP908 | 1-564-321-00 | PIN, CONNECTOR 2P | |
| * | 1-669-271-11 | SP-SW-A BOARD | | * CNP910 | 1-564-687-11 | PIN, CONNECTOR 3P | |
| ***** | | | | | | < DIODE > | |
| * | 1-669-272-11 | SP-SW-B BOARD | | D235 | 8-759-058-64 | DIODE IC TC7S32FU(TE85R) | |
| ***** | | | | D236 | 8-759-058-64 | DIODE IC TC7S32FU(TE85R) | |
| | | < JACK > | | D237 | 8-759-058-64 | DIODE IC TC7S32FU(TE85R) | |
| | | < FUSE > | | D239 | 8-759-058-64 | DIODE IC TC7S32FU(TE85R) | |
| * | 1-669-266-11 | STAND BY BOARD | | △ F904 | 1-532-388-51 | FUSE TIME LAG 2A/250V | |
| | | < SWITCH > | | | | < SWITCH > | |
| | 1-533-233-21 | HOLDER, FUSE | | △ S901 | 1-571-437-11 | SWITCH, POWER VOLTAGE CHANGE | (SELECTOR) |
| △ CNJ902 | 1-251-691-11 | OUTLET (AC) | | ***** | | | |
| | | (DE225:CND/DE325:US,CND,E,EA,CH) | | * | A-4407-436-A | VR-TONE BOARD, COMPLETE | |
| | | < CONNECTOR > | | | | ***** | |
| CNP802 | 1-779-495-11 | PLUG, CONNECTOR PIN 4P | | | | (DE225:CND/DE325:EXCEPT AEP,G,EE) | |
| CNP901 | 1-564-321-00 | PIN, CONNECTOR 2P | | * | A-4407-523-A | VR-TONE BOARD, COMPLETE | |
| CNP903 | 1-580-230-11 | PIN, CONNECTOR (PC BOARD) 2P | | | | ***** | |
| | | (DE225:AEP,G,EE/DE325:AEP,G,AUS,EE,SP,MY) | | | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE) | |
| CNP905 | 1-564-320-00 | PIN, CONNECTOR (B2P-VH) 2P | | | | < CAPACITOR > | |
| * CNP906 | 1-564-687-11 | PIN, CONNECTOR 3P | | C420 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| | | < DIODE > | | C421 | 1-137-440-11 | FILM | 0.018uF 5% 50V |
| D816 | 8-719-911-19 | DIODE 1SS119 | | C422 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| | | < FUSE > | | C423 | 1-137-368-11 | FILM | 0.0047uF 5% 50V |
| △ F902 | 1-532-464-51 | FUSE TIME LAG 2.5A/250V | | C424 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| | | (DE225:AEP,G,EE,UK/DE325:AEP,G,EE,SP,MY,AUS) | | C425 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| | | < TERMINAL > | | C426 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| * G900 | 1-537-738-21 | TERMINAL, EARTH | | C427 | 1-124-252-00 | ELECT | 0.33uF 20% 50V |
| | | (DE225:CND/DE325:US,CND) | | C428 | 1-130-489-00 | MYLAR | 0.033uF 5% 50V |
| | | < RESISTOR > | | C429 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| △ R901 | 1-202-725-00 | SOLID | 3.3M 10% 1/2W | C430 | 1-126-301-11 | ELECT | 1uF 20% 50V |
| | | (DE225:CND/DE325:US,CND) | | C431 | 1-126-301-11 | ELECT | 1uF 20% 50V |
| | | < RELAY > | | C432 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| △ RY901 | 1-755-018-11 | RELAY | | C433 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| | | < TRANSFORMER > | | C470 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| △ T902 | 1-450-361-11 | TRANSFORMER, POWER | | C471 | 1-137-440-11 | FILM | 0.018uF 5% 50V |
| | | (DE225:CND/DE325:US,CND) | | C472 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| △ T902 | 1-450-358-11 | TRANSFORMER, POWER | | C473 | 1-137-368-11 | FILM | 0.0047uF 5% 50V |
| | | (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND) | | C474 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| ***** | | | | C475 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| * | 1-669-269-11 | VOL-SEL BOARD(DE325:E,EA,CH) | | C476 | 1-126-795-11 | ELECT | 10uF 20% 25V |
| | | ***** | | C477 | 1-124-252-00 | ELECT | 0.33uF 20% 50V |
| | | < FUSE > | | C478 | 1-130-489-00 | MYLAR | 0.033uF 5% 50V |
| | 1-533-399-31 | HOLDER, FUSE | | C479 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| | | | | C492 | 1-124-464-11 | ELECT | 0.22uF 20% 50V |
| | | | | C601 | 1-126-163-11 | ELECT | 4.7uF 20% 50V |
| | | | | C651 | 1-126-163-11 | ELECT | 4.7uF 20% 50V |
| | | | | C701 | 1-126-163-11 | ELECT | 4.7uF 20% 50V |
| | | | | C751 | 1-126-163-11 | ELECT | 4.7uF 20% 50V |

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|--|--|

VR-TONE

10 KEY

| Ref. No. | Part No. | Description | Remarks |
|----------------|--------------|------------------------------|----------------|
| < CONNECTOR > | | | |
| CNP202 | 1-770-391-11 | PIN, CONNECTOR (PC BOARD) 7P | |
| CNS402 | 1-568-439-11 | SOCKET, CONNECTOR 7P | |
| CNS403 | 1-568-442-11 | SOCKET, CONNECTOR 9P | |
| < DIODE > | | | |
| D238 | 8-719-046-39 | DIODE SEL5821A-TH15 (MUTING) | |
| D421 | 8-719-911-19 | DIODE 1SS119 | |
| < IC > | | | |
| IC404 | 8-759-636-74 | IC M5218AP-22 | |
| < TRANSISTOR > | | | |
| Q401 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | |
| Q402 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q451 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | |
| Q452 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| < RESISTOR > | | | |
| R229 | 1-249-406-11 | CARBON | 120 5% 1/4W F |
| R420 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R421 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| R422 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F |
| R423 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R424 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R425 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R426 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R427 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R430 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R431 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R432 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R433 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R434 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R438 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R441 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R444 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R464 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R469 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R470 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R471 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| R472 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F |
| R473 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R474 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R475 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R476 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R477 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R480 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R481 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R482 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R483 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R484 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R491 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R492 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R494 | 1-247-903-00 | CARBON | 1M 5% 1/4W |

| Ref. No. | Part No. | Description | Remarks |
|-----------------------|--------------|--|----------------|
| < VARIABLE RESISTOR > | | | |
| RV404 | 1-225-229-11 | RES, VAR, CARBON 100KX4 (MASTER VOLUME) | |
| RV421 | 1-223-362-11 | RES, VAR, CARBON 100K/100K (BASS) | |
| RV422 | 1-223-363-11 | RES, VAR, CARBON 125K/125K (TREBLE) | |
| RV423 | 1-225-447-11 | RES, VAR, CARBON 100K/100K (BALANCE) | |
| < SWITCH > | | | |
| S240 | 1-762-751-11 | SWITCH, TACTILE (MUTING) | |
| ***** | | | |
| * | 1-669-263-11 | 10 KEY BOARD ***** | |
| < CONNECTOR > | | | |
| CNS205 | 1-770-397-11 | HOUSING, CONNECTOR(PC BOARD)4P | |
| < RESISTOR > | | | |
| R232 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R233 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R234 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R235 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R236 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R237 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R238 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R239 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R240 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R241 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R242 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R243 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R244 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R245 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R246 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R247 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R248 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R249 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R250 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R251 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R252 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| < SWITCH > | | | |
| S217 | 1-554-303-21 | SWITCH, TACTILE (EFFECT/DELAY) | |
| S218 | 1-554-303-21 | SWITCH, TACTILE (SURROUND ON/OFF) | |
| S219 | 1-554-303-21 | SWITCH, TACTILE (BASS BOOST) | |
| S220 | 1-554-303-21 | SWITCH, TACTILE (PHONO)(DE325:AEP,G,EE) | |
| S221 | 1-554-303-21 | SWITCH, TACTILE (TUNER)(DE325:AEP,G,EE) | |
| S222 | 1-554-303-21 | SWITCH, TACTILE (TV/LD) | |
| S223 | 1-554-303-21 | SWITCH, TACTILE (VIDEO) | |
| S224 | 1-554-303-21 | SWITCH, TACTILE (SHIFT) | |
| S225 | 1-554-303-21 | SWITCH, TACTILE (6) | |
| S226 | 1-554-303-21 | SWITCH, TACTILE (7) | |
| S227 | 1-554-303-21 | SWITCH, TACTILE (8) | |
| S228 | 1-554-303-21 | SWITCH, TACTILE (9) | |
| S229 | 1-554-303-21 | SWITCH, TACTILE (0) | |
| S230 | 1-554-303-21 | SWITCH, TACTILE (SET UP) | |
| S231 | 1-554-303-21 | SWITCH, TACTILE (CD)(DE325:AEP,G,EE) | |

| Ref. No. | Part No. | Description | Remarks |
|------------------------|--------------|--|---------|
| S232 | 1-554-303-21 | SWITCH, TACTILE (DIRECT TUNING) | |
| S233 | 1-554-303-21 | SWITCH, TACTILE (1) | |
| S234 | 1-554-303-21 | SWITCH, TACTILE (2) | |
| S235 | 1-554-303-21 | SWITCH, TACTILE (3) | |
| S236 | 1-554-303-21 | SWITCH, TACTILE (4) | |
| S237 | 1-554-303-21 | SWITCH, TACTILE (5) | |
| S238 | 1-554-303-21 | SWITCH, TACTILE (TAPE/MD) | |
| S239 | 1-554-303-21 | SWITCH, TACTILE (MODE) | |
| S241 | 1-554-303-21 | SWITCH, TACTILE (TUNER) | |
| S242 | 1-554-303-21 | SWITCH, TACTILE (CD) | |
| ***** | | | |
| MISCELLANEOUS ***** | | | |
| 12 | 1-782-084-11 | WIRE (FLAT TYPE) (23 CORE) | |
| 13 | 1-782-074-11 | WIRE (FLAT TYPE) (7 CORE) | |
| 14 | 1-782-075-11 | WIRE (FLAT TYPE) (9 CORE) | |
| △ 58 | 1-777-071-21 | CORD, POWER (EXCEPT US,CND,AUS) | |
| △ 58 | 1-783-203-11 | CORD, POWER (AUS) | |
| △ 58 | 1-783-204-11 | CORD, POWER (US,CND) | |
| 65 | 1-693-407-51 | TUNER (US,CND) | |
| 65 | 1-693-408-31 | TUNER (EXCEPT US,CND,EE) | |
| 65 | 1-693-411-31 | TUNER (EE) | |
| △ 67 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (E,EA,CH) | |
| △ 67 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK) | |
| △ CNJ902 | 1-251-416-11 | OUTLET, A.C.(AUS) | |
| △ CNJ902 | 1-526-794-11 | OUTLET, AC (AEPG,EE,SP,MY) | |
| △ T901 | 1-431-264-11 | TRANSFORMER, POWER (DE325:CND) | |
| △ T901 | 1-431-793-11 | TRANSFORMER, POWER (DE325:US) | |
| △ T901 | 1-431-794-11 | TRANSFORMER, POWER (DE325:E,EA,CH) | |
| △ T901 | 1-431-795-11 | TRANSFORMER, POWER (DE325:SP,MY) | |
| △ T901 | 1-431-796-11 | TRANSFORMER, POWER (DE325:AEP,G,EE) | |
| △ T901 | 1-431-798-11 | TRANSFORMER, POWER (DE225:AEP,G,EE,UK) | |
| △ T901 | 1-431-799-11 | TRANSFORMER, POWER (DE225:CND) | |
| △ T901 | 1-431-818-11 | TRANSFORMER, POWER (DE325:AUS) | |
| ***** | | | |

| Ref. No. | Part No. | Description | Remarks |
|--|--------------|--|---------|
| ACCESSORIES & PACKING MATERIALS ***** | | | |
| | 1-475-042-11 | ADAPTOR | |
| | 1-475-710-11 | REMOTE COMMANDER (RM-U302) | |
| | 1-501-374-11 | ANTENNA, LOOP | |
| | 1-501-594-11 | ANTENNA (FM) | |
| | 3-862-354-11 | MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH, ITALIAN) | |
| | 3-862-354-21 | MANUAL, INSTRUCTION (ENGLISH) (DE325) | |
| | 3-862-354-31 | MANUAL, INSTRUCTION (ENGLISH, FRENCH) | |
| | 3-862-354-41 | MANUAL, INSTRUCTION (SPANISH, SWEDISH, FINNISH, DANISH, PORTUGUESE) | |
| | 3-862-354-51 | MANUAL, INSTRUCTION (ENGLISH, RUSSIAN, POLISH) (DE325) | |
| | 3-862-354-61 | MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (DE325) | |
| | 4-981-643-11 | BATTERY COVER (FOR RM-U302) | |
| ***** | | | |
| ***** HARDWARE LIST ***** | | | |
| #1 | 7-685-646-79 | SCREW +BVTP 3×8 TYPE2 IT-3 | |
| #2 | 7-685-881-09 | SCREW +BVTT 4×8 (S) | |
| #3 | 7-685-872-09 | SCREW +BVTT 3×8 (S) | |

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