


STR-DE445/DE545/SE501

SERVICE MANUAL



Photo: STR-DE445

US Model
STR-DE445/DE545/SE501
Canadian Model
AEP Model
UK Model
STR-DE445/DE545
E Model
Australian Model
Chinese Model
PX Model
STR-DE545

Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8 Ω loads, both channels driven, from
20 – 20,000 Hz; rated 100^W per channel
minimum RMS power, with no more than
0.09% total harmonic distortion from 250
mW to rated output (US model only).

STR-DE445:

a) 80 W

Amplifier section

Rated Power Output at Stereo mode

US model:

(8 Ω 20 Hz – 20 kHz, THD
0.09 %)

EXCEPT US:

(8 Ω 1 kHz, THD 0.7 %)

STR-DE545/SE501:

100 W + 100 W

STR-DE445:

80 W + 80 W

Reference Power Output

(8 Ω at 1 kHz, THD 0.7 %)

STR-DE545/SE501:

Front: 100 W + 100 W

Center: 100 W

Rear: 100 W + 100 W

STR-DE445:

Front: 80 W + 80 W

Center: 80 W

Rear: 80 W + 80 W

Frequency response

CD, MD/TAPE, DVD/LD, TV/

SAT, VIDEO, AUX:

10 Hz – 50 kHz +0.5/–2 dB

(with sound field, tone, and

bass boost bypassed)

Inputs (Analog) 5.1 CH INPUT, CD, DVD/LD,
MD/TAPE, TV/SAT, VIDEO,
AUX:
Sensitivity: 250 mV
Impedance: 50 k Ω
S/N^{b)}: 96 dB (A, 250 mV^{c)})

b) Input short.

c) Weighted network, input level.

Inputs (Digital) DVD/LD (coaxial):
Sensitivity: —
Impedance: 75 Ω
S/N: 100 dB (A, 20 kHz LPF)
DVD/LD, TV/SAT* (Optical):
Sensitivity: —
Impedance: —
S/N: 100 dB (A, 20 kHz LPF)

*) STR-DE545 and STR-SE501 only.

Outputs MD/TAPE, (REC OUT); VIDEO
(AUDIO OUT):
Voltage: 250 mV,
Impedance: 10 k Ω
SUB WOOFER:
Voltage: 2 V
Impedance: 1 k Ω
PHONES:
Accepts low- and high-
impedance headphones

BASS BOOST +6 dB at 70 Hz
TONE \pm 6 dB at 100 Hz and 10 kHz
Sampling Frequency
48 kHz

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna terminals 75 Ω , unbalanced
Sensitivity Mono: 18.3 dBf, 2.2 μ V/75 Ω
Stereo: 38.3 dBf, 22.5 μ V/75 Ω
Usable sensitivity 11.2 dBf, 1 μ V/75 Ω
S/N Mono: 76 dB
Stereo: 70 dB
Harmonic distortion at 1 kHz
Mono: 0.3 %
Stereo: 0.5 %
Separation 45 dB at 1 kHz
Frequency response 30 Hz – 15 kHz
+0.5/–2 dB
Selectivity 60 dB at 400 kHz


— Continued on next page —

FM STEREO FM-AM RECEIVER

SONY®

AM tuner section

| | |
|---------------------|---|
| Tuning range | With 10-kHz tuning scale: 530 – 1,710 kHz ^{d)} With 9-kHz tuning scale: 531 – 1,710 kHz ^{d)} |
| Antenna | Loop antenna |
| Usable sensitivity | 50dB/m (at 1,000kHz or 999kHz) |
| S/N | 54dB (at 50mV/m) |
| Harmonic distortion | 0.5% (50mV/m, 400kHz) |
| Selectivity | At 9kHz: 35dB At 10kHz: 40dB |

d) You can change the AM tuning interval to 9kHz. After tuning in any AM station, turn off the receiver. Hold down the TUNING + button and press the  button. All preset stations will be erased when you change the tuning interval. To reset the scale to 10 kHz, repeat the procedure.

Video section

| | |
|---------|---|
| Inputs | Video: 1Vp-p 75Ω S-video*: Y: 1Vp-p 75Ω C: 0.286Vp-p 75Ω |
| Outputs | Video: 1Vp-p 75Ω S-video*: Y: 1Vp-p 75Ω C: 0.286Vp-p 75Ω |

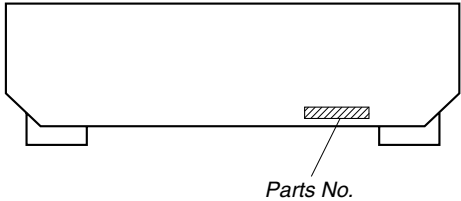
* STR-DE545 and STR-SE501 only.

General

| | |
|---|---|
| System | Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP |
| Power requirements | US, Canadian model: 120V AC, 60Hz Taiwan model: 110V AC, 60Hz Chinese, Singapore, Malaysia model: 220 – 230V AC, 50/60Hz AEP, UK, CIS model: 230V AC, 50/60Hz Australian model: 240V AC, 50/60Hz E, PX model: 120V or 220V or 240V AC, 50/60Hz |
| Power consumption | STR-DE545/SE501: US model: 190W AEP, UK model: 220W STR-DE445: US model: 185W AEP, UK model: 160W |
| AC outlets (STR-DE545 and STR-SE501 only) | US model: Iswitched, total 120W/1A Max EXCEPT US: Iswitched, max 100W |
| Dimensions | 430 × 303 × 157 mm (17 × 12 × 6 1/4 inches) including projecting parts and controls |
| Mass (Aporox.) | STR-DE545: 7.9kg (17 lbs. 7 oz) STR-DE445: 7.7kg (16 lbs. 16 oz) STR-SE501: 8.2kg (18 lbs. 2 oz) |
| Supplid accessories | FM wire antenna (1) AM loop antenna (1) R6 (size-AA) batteries (2) STR-DE545 and STR-SE501 only Remote Commander RM-PP404 (remote) (1) Operating instructions of the remote (1) Operating instructions of CONTROLA1 II (1) STR-DE445 only Remote Commander RM-U304 (remote) (1) |

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION
— BACK PANEL —



| MODEL | PARTS No. |
|----------------------------------|--------------|
| DE545: US model | 4-226-802-0□ |
| DE545: Canadian model | 4-226-802-1□ |
| DE545: Australian model | 4-226-802-2□ |
| DE545: E, PX model | 4-226-802-3□ |
| DE545: Malaysia, Singapore model | 4-226-802-4□ |
| DE545: Chinese model | 4-226-802-5□ |
| DE545: AEP, UK, CIS model | 4-226-802-6□ |
| DE545: Taiwan model | 4-226-802-7□ |
| DE445: US model | 4-226-808-0□ |
| DE445: Canadian model | 4-226-808-1□ |
| DE445: AEP, UK model | 4-226-808-2□ |
| DE445: CIS model | 4-226-808-3□ |
| SE501: US model | 4-227-063-0□ |

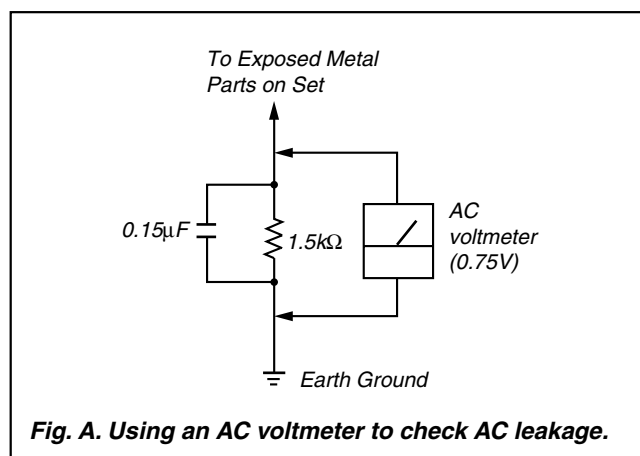
SAFETY CHECK-OUT (US model)

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)



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.

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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS 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.

与安全有关的零部件须知

在原理图上用阴影及 \triangle 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时, 请进行这些调整操作。

SECTION 1 GENERAL

FRONT PANEL

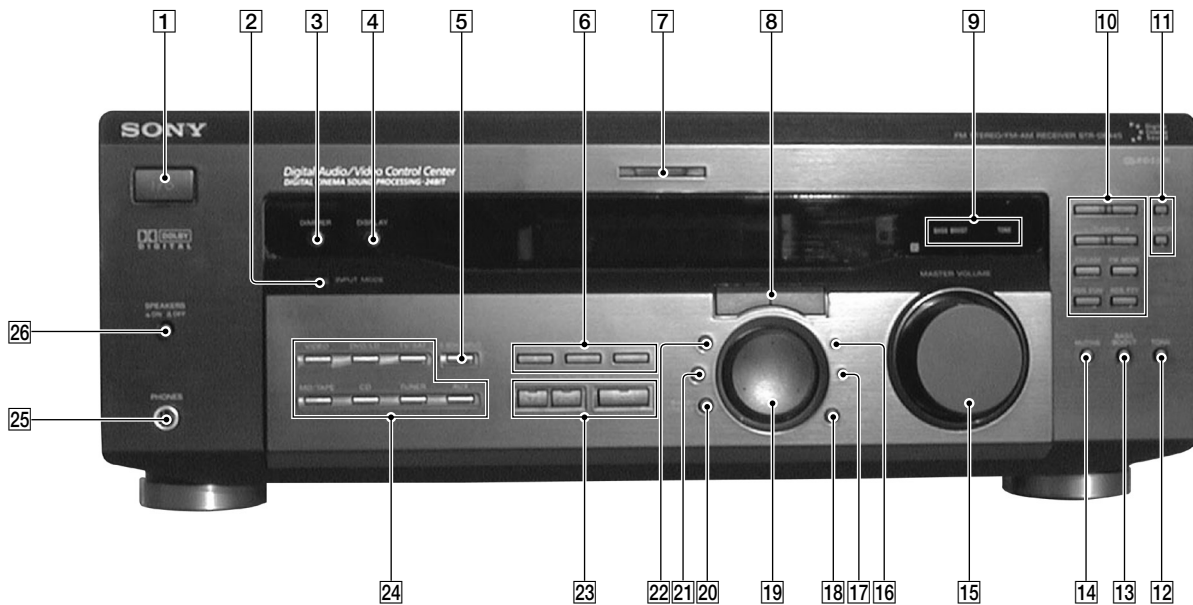


PHOTO: STR-DE445

- | | |
|---|---|
| 1 I/⏻ button | 14 MUTE button |
| 2 INPUT MODE button | 15 MASTER VOLUME knob |
| 3 DIMMER button | 16 SET UP button |
| 4 DISPLAY button | 17 NAME button |
| 5 5.1CH INPUT button | 18 ENTER button |
| 6 CHINEMA STUDIO A button CHINEMA STUDIO B button CHINEMA STUDIO C button | 19 Jog dial |
| 7 MULTI CHANNEL DECODING indicator | 20 BASS/TREBLE button |
| 8 <, > buttons | 21 SUR button |
| 9 BASS BOOST indicator TONE indicator | 22 LEVEL button |
| 10 PRESET TUNING +/- buttons TUNING +/- buttons FM/AM button FM MODE button RDS EON button (AEP, UK, CIS model) RDS PTY button (AEP, UK, CIS model) | 23 A.F.D button/indicator 2CH button/indicator MODE button/indicator |
| 11 SHIFT button MEMORY button | 24 VIDEO button DVD/LD button TV/SAT button MD/TAPE button CD button TUNER button AUX button |
| 12 TONE button | 25 PHONES jack |
| 13 BASS BOOST button | 26 SPEAKER A button SPEAKER B button (DE545, SE501 model) |

REAR PANEL

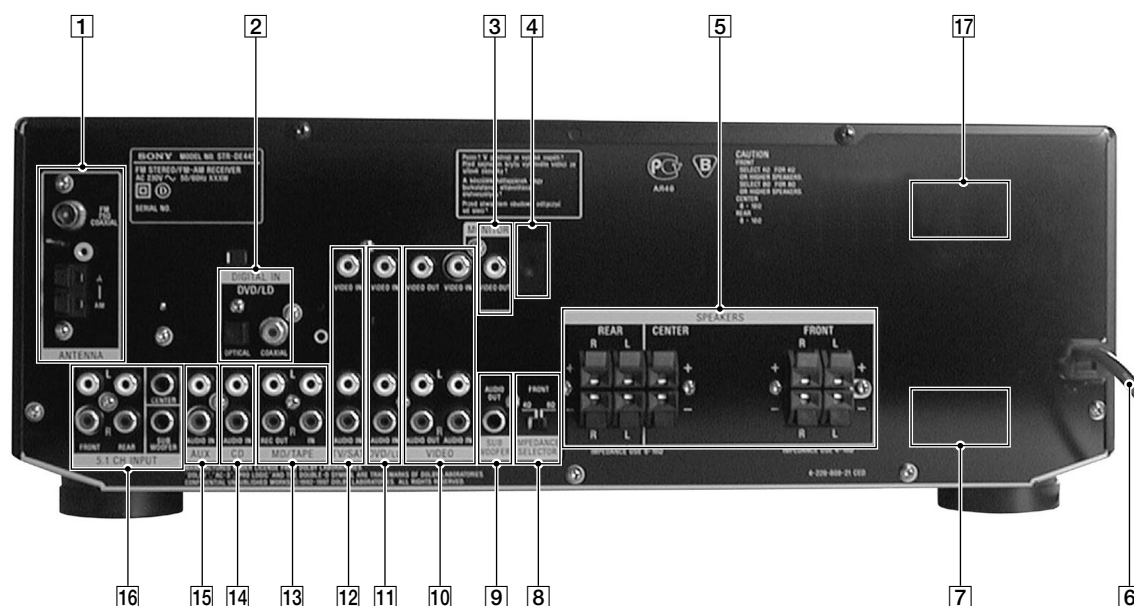


PHOTO: STR-DE445

- | | |
|---|---|
| 1 ANTENNA terminal | 11 DVD/LD jack |
| 2 DIGITAL IN jack | VIDEO IN |
| TV/SAT OPTICAL (DE545, SE501 model) | S-VIDEO IN (DE545, SE501 model) |
| DVD/LD OPTICAL (DE545, SE501 model) COAXIAL | AUDIO IN |
| 3 MONITOR jack | 12 TV/SAT jack |
| VIDEO OUT | VIDEO IN |
| S-VIDEO OUT (DE545, SE501 model) | AUDIO IN |
| 4 CTRL A1 II jack (DE545, SE501 model) | 13 MD/TAPE jack |
| 5 SPEAKERS terminal | 14 CD jack |
| REAR | 15 AUX jack |
| CENTER | 16 5.1CH INPUT jack |
| FRONT A | FRONT |
| FRONT B (DE545, SE501 model) | REAR |
| 6 AC power cord | CENTER |
| 7 AC OUTLET (DE545, SE501 model) | SUB WOOFER |
| 8 IMPEDANCE SELECTOR switch (DE545, SE501 model) | 17 VOLTAGE SELECTOR switch (E, PX model) |
| 9 SUB WOOFER jack | |
| 10 VIDEO jack | |
| VIDEO IN/OUT | |
| AUDIO IN/OUT | |

SECTION 2 TEST MODE

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

While depressing the TUNER and the VIDEO buttons simultaneously, press the power [I/⏻] button to turn on the main power. The model name, destination and the software version are displayed.

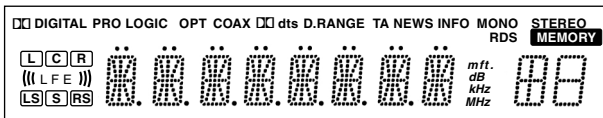
FLUORESCENT INDICATOR TUBE TEST MODE

* 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:

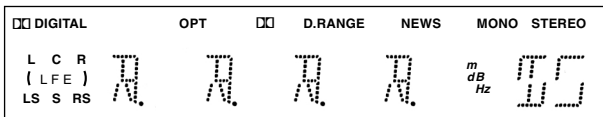
While depressing the TV/SAT and the CD buttons simultaneously, press the power [I/⏻] button to turn on the main power.

1. All segments turn on.



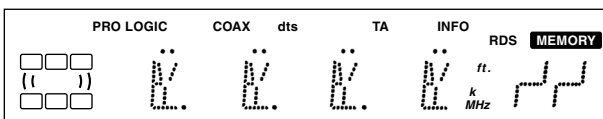
A.F.D, LEVEL, BASS/TREBLE, SET UP and MUTING LED turn on.

2. Press the VIDEO button, confirm display



2CH, SUR, NAME and JOG dial LED turn on.

3. Press the VIDEO button, confirm display



MODE, BASS BOOST, TONE and Digital Cinema Sound LED turn on.

4. Press the VIDEO button, All segments turn off.
5. Every pressing of the VIDEO button turns on each segment one after another in the following order.
(Not only the VIDEO button, but also the other buttons such as DVD/LD, TV/SAT, MD/TAPE, CD, TUNER, AUX can be used.)

FACTORY SET MODE

* All preset contents are reset to the default setting.

* Procedure:

While depressing the VIDEO and the CD buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message FACTORY appears and the present contents are reset to the default values.

ALL CLEAR 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 TUNER and the MD/TAPE buttons simultaneously, press the power [I/⏻] button to turn on the main power. Alternatively, press [I/⏻] more than 4S. The message ALL CLEAR appears and initialization is performed.

SURROUND CLEAR MODE

* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the SOUND FIELD MODE button, press the power [I/⏻] button to turn on the main power. The message SURR CLR appears and initialization is performed.

AM CHANNEL STEP 9 KHZ/10 KHZ

SELECTION MODE (US, Canadian, E, PX model)

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

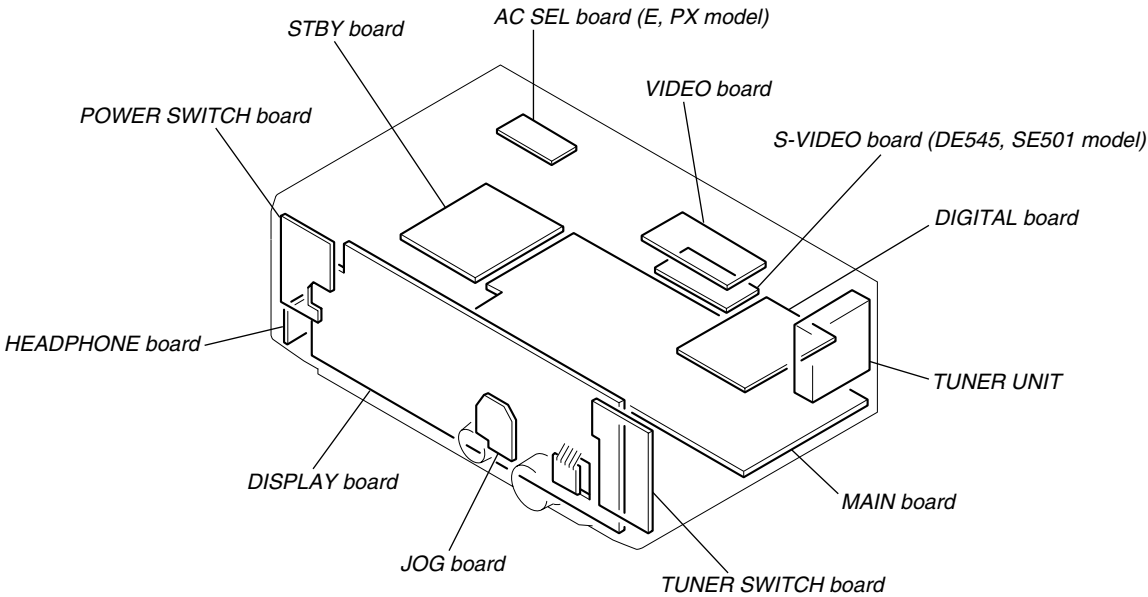
* Procedure:

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

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

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

Note:

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

以阴影和 Δ 标志来识别的零
部件，在安全方面具有关键
性。因此只能以规定号码的
零部件来更换。

Note:

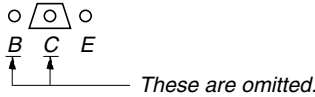
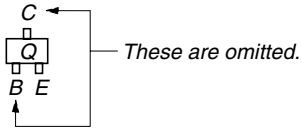
Les composants identifiés par
une marque Δ sont critiques
pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

- : 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 produc-
tion tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
 : CD
 : digital out
- Abbreviation
CND : Canadian model
AUS : Australian model
CH : Chinese model
MY : Malaysia model
SP : Singapore model
TW : Taiwan model

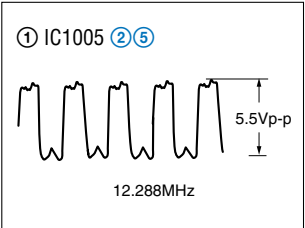
For printed wiring boards.

Note:

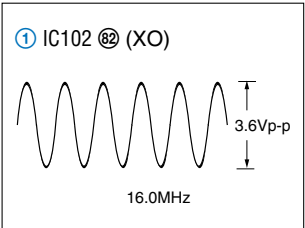
- : parts extracted from the component side.
- : Through hole.
- : internal component.
- : Pattern from the side which enables seeing.



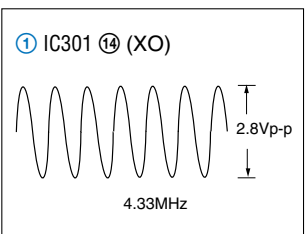
• Waveform
DIGITAL Board



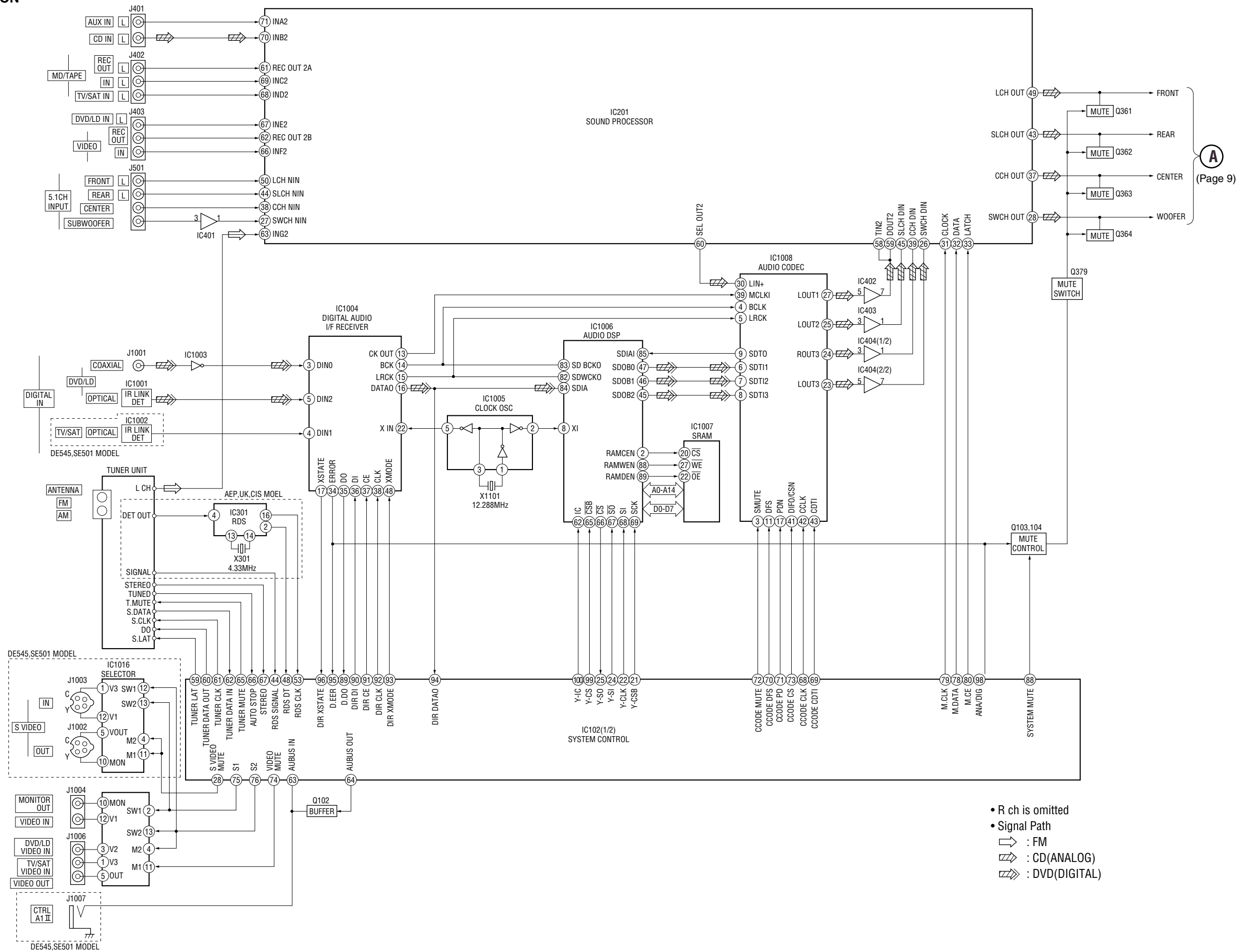
DISPLAY Board



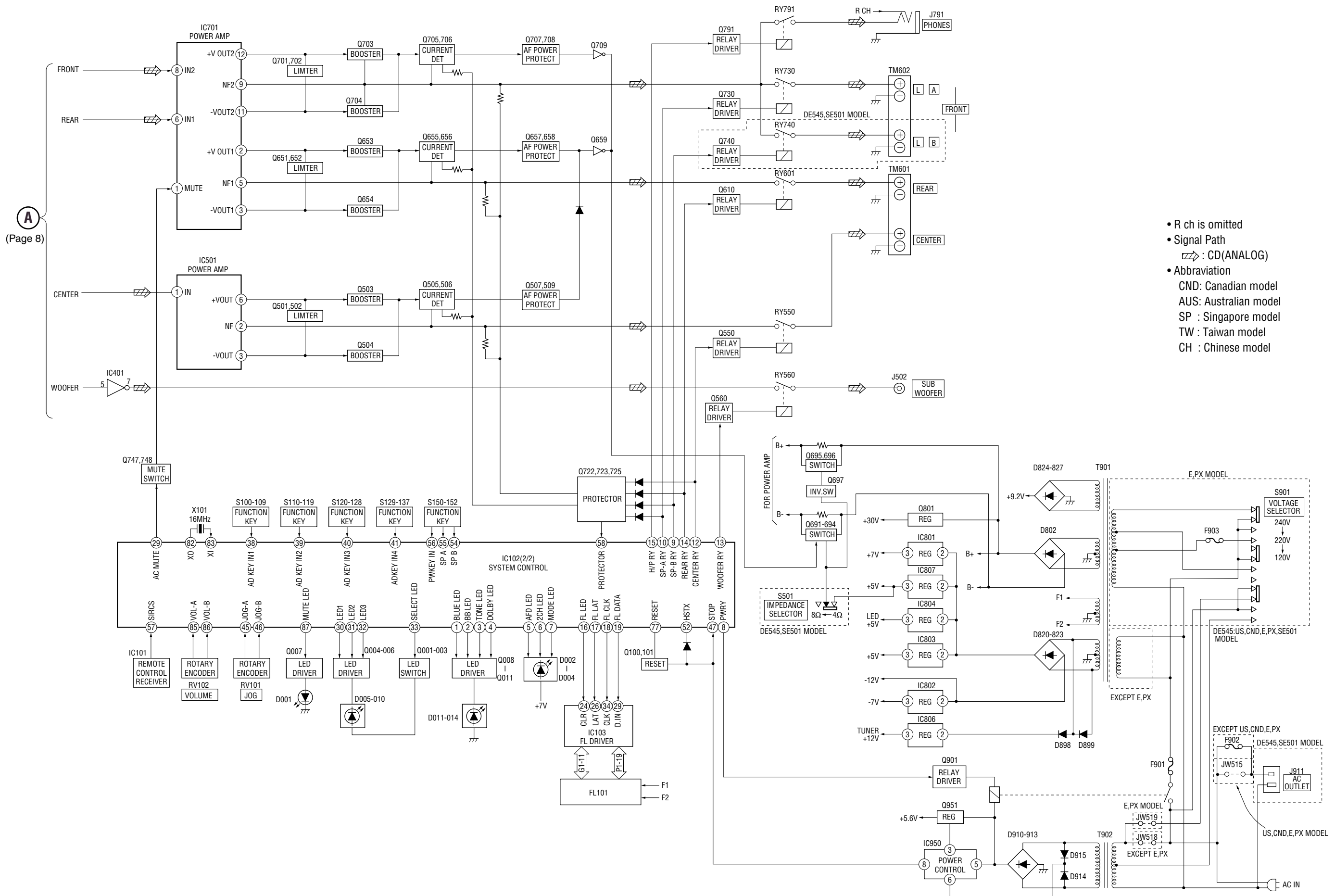
MAIN Board



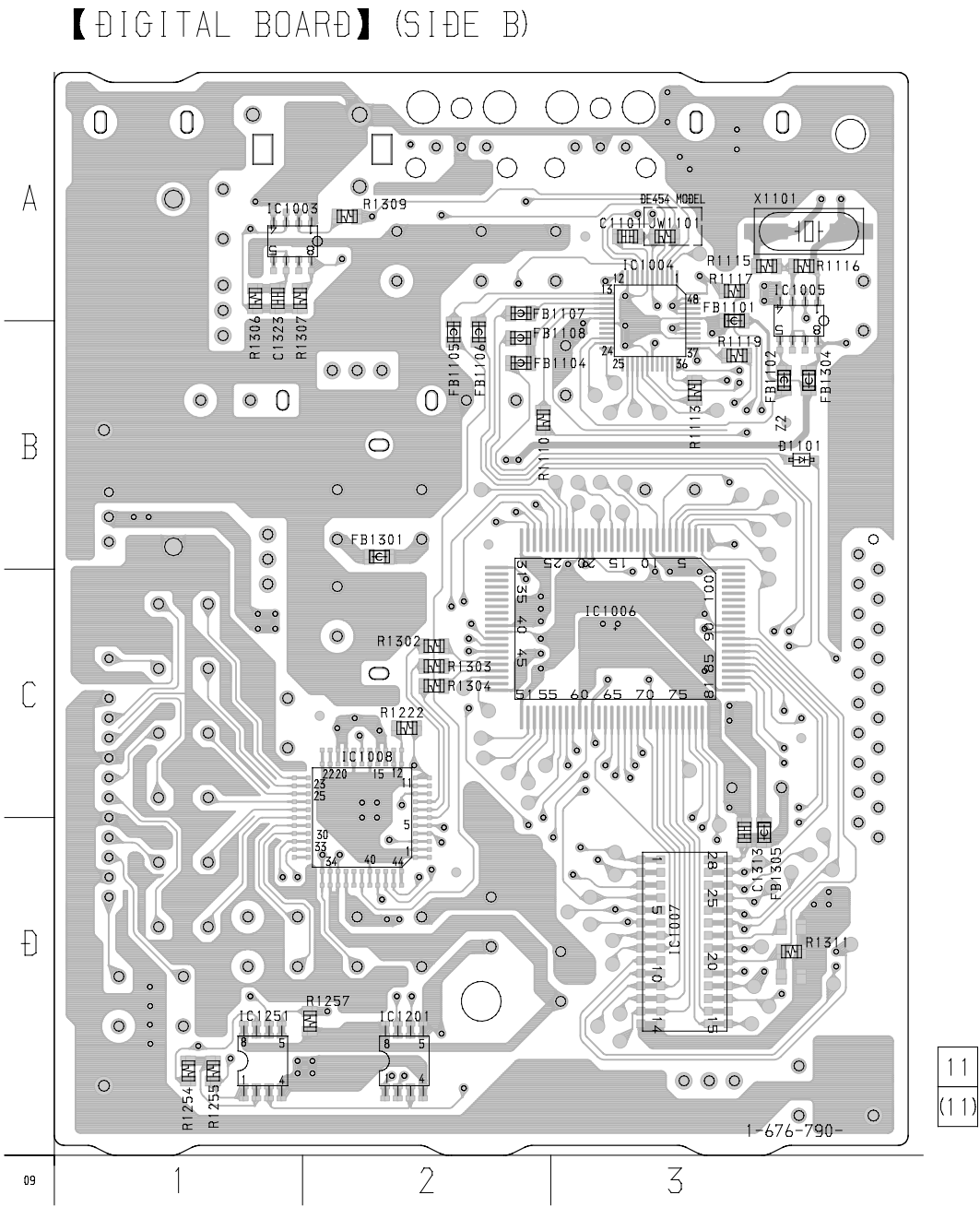
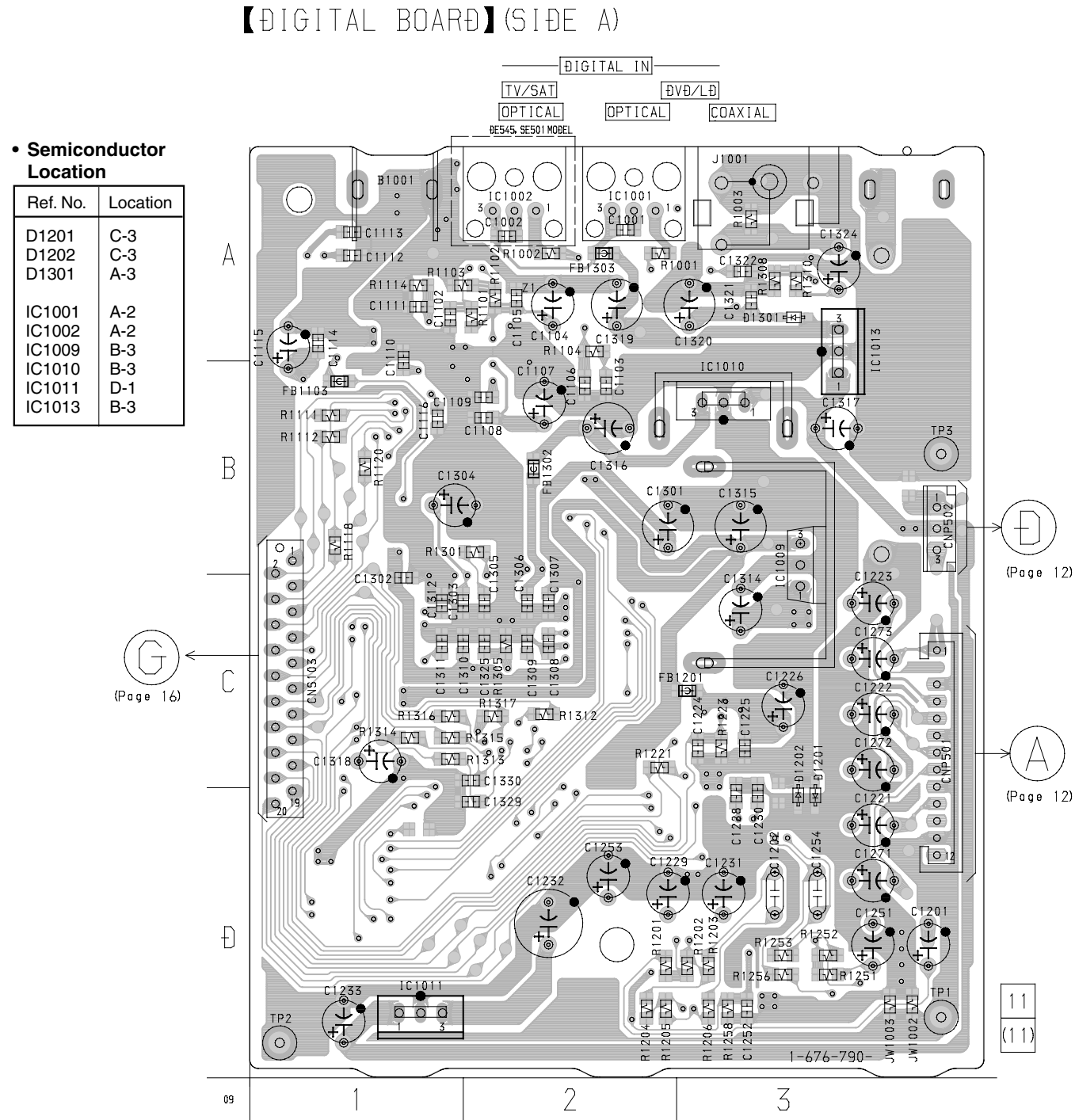
3-2. BLOCK DIAGRAMS
— MAIN SECTION —



— POWER SECTION —

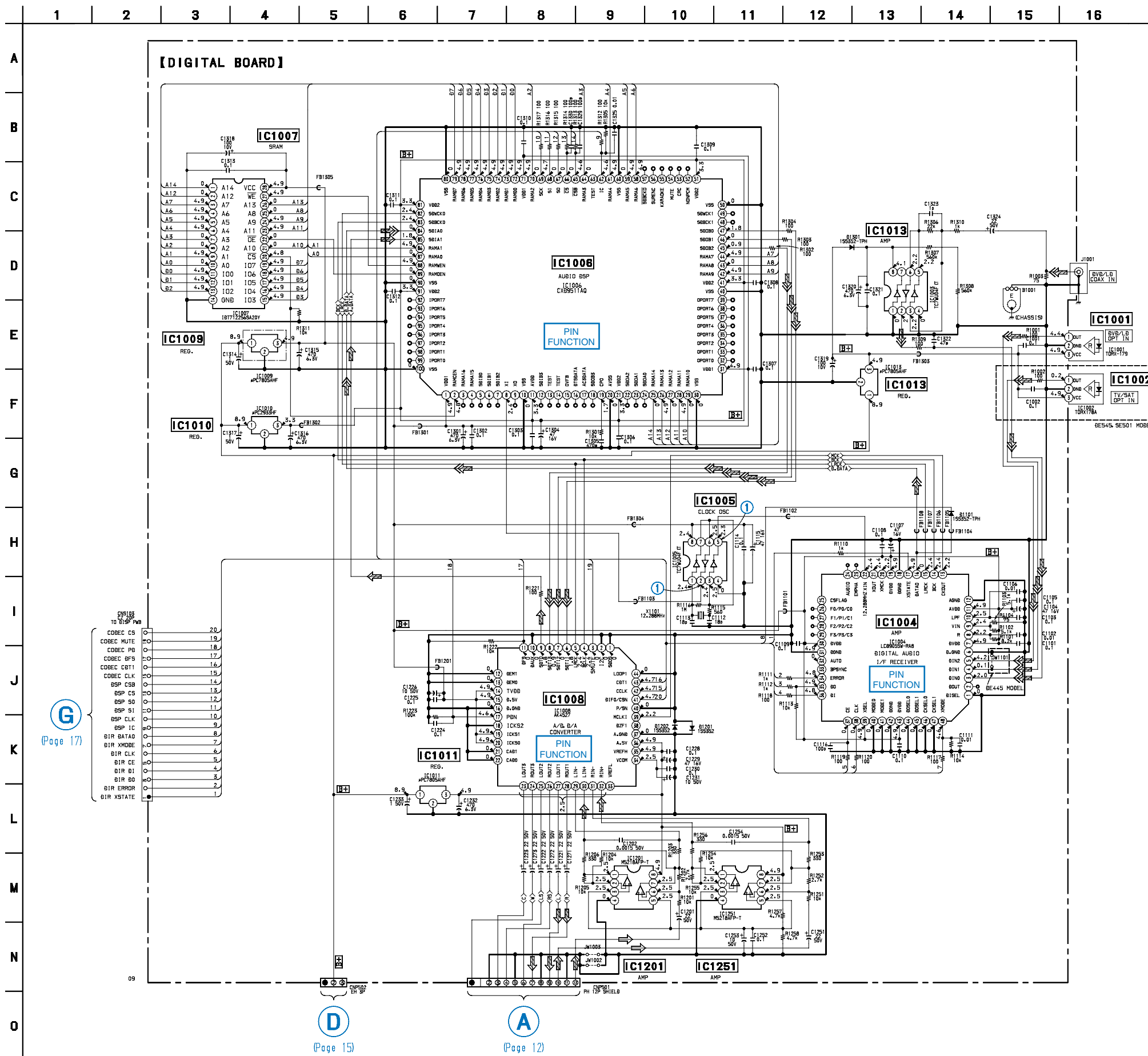


3-3. PRINTED WIRING BOARD — DIGITAL SECTION —
• See page 7 for Circuit Boards Location.

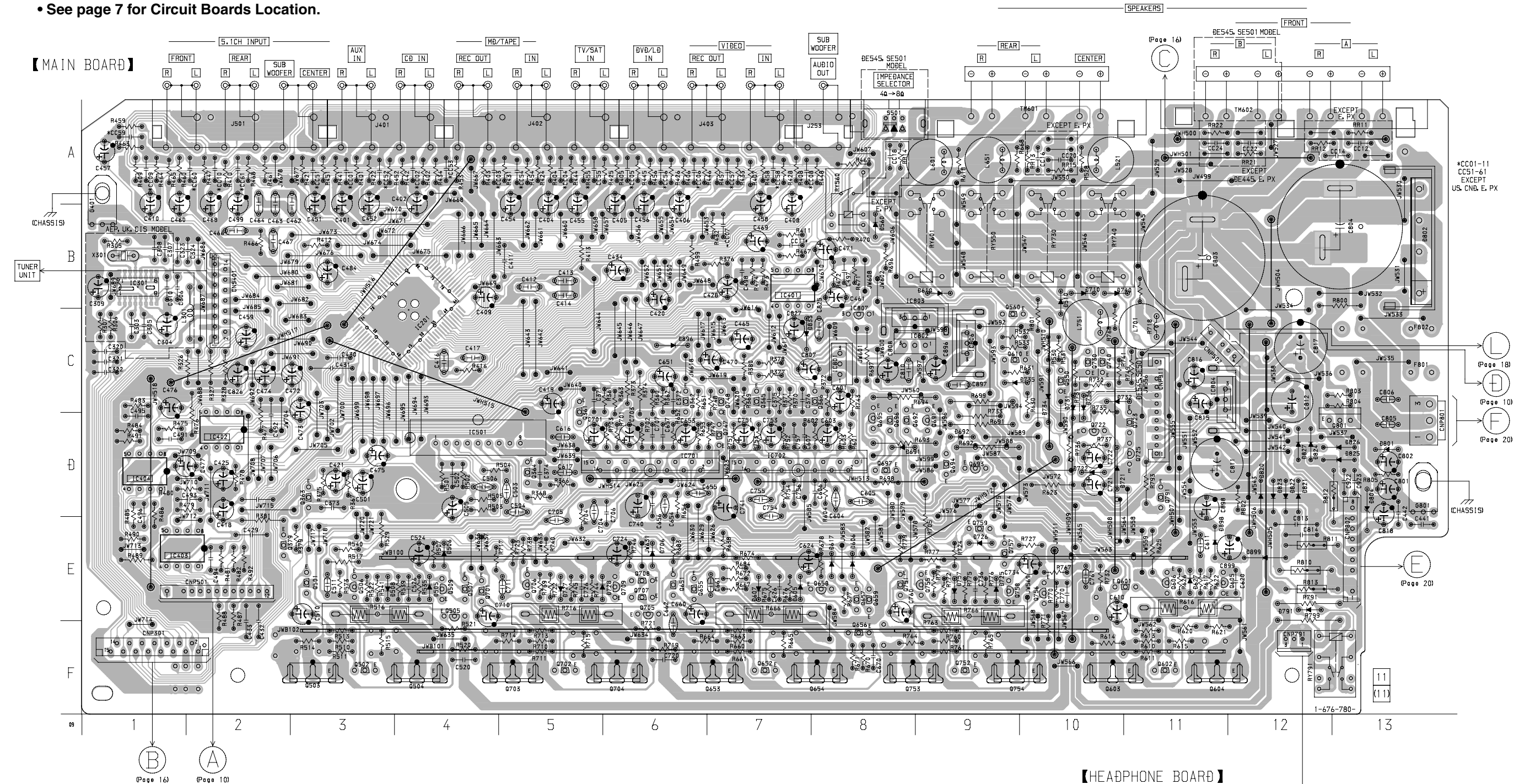


3-4. SCHEMATIC DIAGRAM — DIGITAL SECTION —

- See page 7 for Waveforms.
- See page 21 for IC Pin Functions.

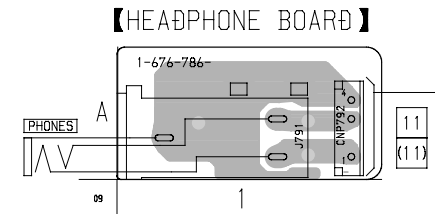


3-5. PRINTED WIRING BOARD — MAIN SECTION —
• See page 7 for Circuit Boards Location.



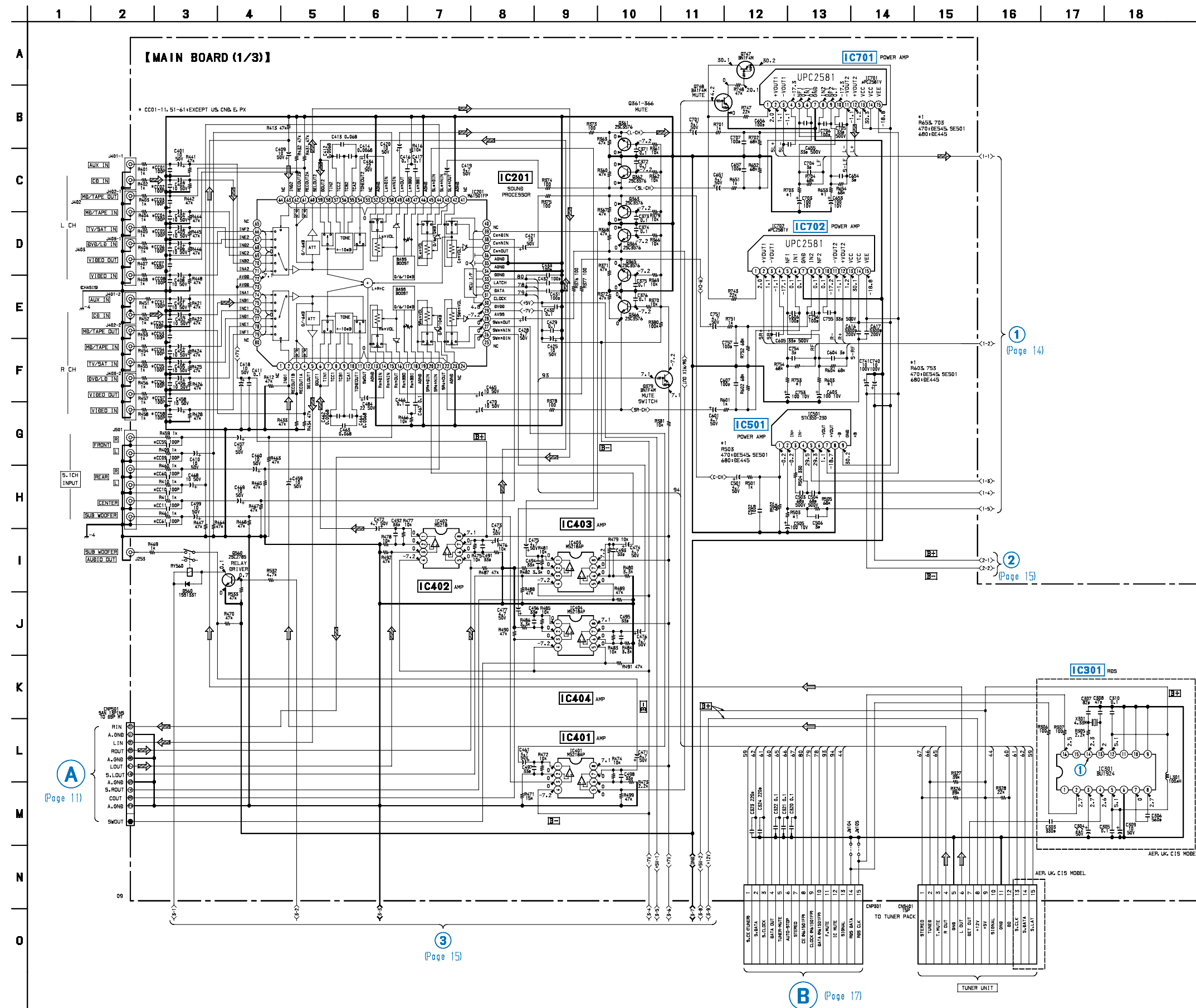
• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| D505 | E-4 | D722 | D-10 | D820 | D-12 | IC402 | D-2 | Q364 | D-5 | Q603 | F-10 | Q693 | D-9 | Q725 | D-11 |
| D506 | E-4 | D725 | E-9 | D821 | D-12 | IC403 | E-1 | Q365 | C-7 | Q604 | F-11 | Q694 | D-9 | Q730 | C-10 |
| D508 | E-3 | D726 | E-9 | D822 | D-12 | IC404 | D-1 | Q366 | C-8 | Q605 | E-11 | Q695 | D-8 | Q740 | C-10 |
| D510 | B-10 | D727 | E-5 | D823 | D-12 | IC501 | D-4 | Q379 | E-2 | Q606 | E-11 | Q696 | D-8 | Q747 | D-7 |
| D560 | B-8 | D728 | E-5 | D824 | D-12 | IC701 | D-6 | Q501 | E-3 | Q610 | C-9 | Q697 | D-8 | Q748 | C-7 |
| D605 | E-7 | D731 | C-10 | D825 | D-13 | IC702 | D-7 | Q502 | F-3 | Q651 | E-6 | Q701 | E-4 | Q751 | E-8 |
| D606 | E-8 | D732 | C-11 | D826 | D-13 | IC801 | C-8 | Q503 | F-3 | Q652 | F-7 | Q702 | F-5 | Q752 | E-9 |
| D607 | E-7 | D734 | D-10 | D827 | D-12 | IC802 | C-9 | Q504 | F-4 | Q653 | F-7 | Q703 | F-5 | Q753 | F-8 |
| D610 | B-9 | D735 | C-9 | D833 | C-7 | IC803 | C-9 | Q505 | E-4 | Q654 | F-8 | Q704 | F-6 | Q754 | F-9 |
| D617 | E-8 | D736 | C-10 | D896 | C-6 | IC804 | C-11 | Q506 | E-3 | Q655 | E-6 | Q705 | E-6 | Q755 | E-9 |
| D627 | E-11 | D740 | B-10 | D898 | E-11 | IC806 | C-9 | Q507 | E-4 | Q656 | F-8 | Q706 | E-5 | Q756 | E-10 |
| D691 | D-8 | D757 | E-9 | D899 | E-12 | IC807 | C-8 | Q509 | E-4 | Q657 | E-8 | Q707 | E-6 | Q757 | E-9 |
| D692 | D-9 | D791 | E-12 | | | | | Q550 | C-10 | Q658 | E-8 | Q708 | E-6 | Q758 | E-9 |
| D706 | E-6 | D801 | D-13 | IC201 | C-4 | Q361 | C-5 | Q560 | C-9 | Q659 | E-8 | Q709 | E-6 | Q759 | E-9 |
| D710 | B-10 | D802 | B-13 | IC301 | B-1 | Q362 | C-6 | Q601 | E-11 | Q691 | D-9 | Q722 | D-10 | Q791 | D-11 |
| D721 | D-10 | D804 | D-13 | IC401 | B-7 | Q363 | D-3 | Q602 | F-11 | Q692 | D-8 | Q723 | D-11 | Q801 | D-13 |



3-6. SCHEMATIC DIAGRAM — MAIN (1/3) SECTION —

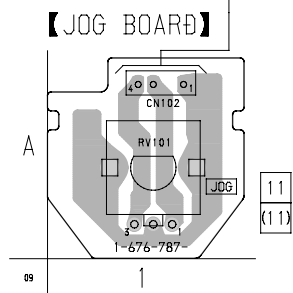
- See page 7 for Waveforms.
- See page 28 for IC Block Diagrams.







| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D002 | D-8 | IC101 | B-3 |
| D003 | D-9 | IC102 | B-5 |
| D004 | D-9 | IC103 | B-8 |
| D005 | E-6 | | |
| D006 | E-6 | Q001 | C-8 |
| D007 | C-6 | Q002 | D-8 |
| D008 | D-6 | Q003 | D-8 |
| D009 | D-4 | Q004 | D-4 |
| D010 | D-4 | Q005 | C-7 |
| D011 | A-7 | Q006 | D-7 |
| D012 | B-2 | Q007 | A-1 |
| D013 | B-2 | Q008 | A-10 |
| D014 | B-10 | Q009 | C-10 |
| D100 | B-7 | Q010 | C-2 |
| D101 | A-4 | Q011 | C-2 |
| D102 | D-1 | Q100 | D-1 |
| D103 | C-5 | Q101 | D-1 |
| D104 | A-3 | Q102 | A-3 |
| D109 | C-13 | Q103 | E-2 |
| D110 | C-12 | Q104 | E-2 |

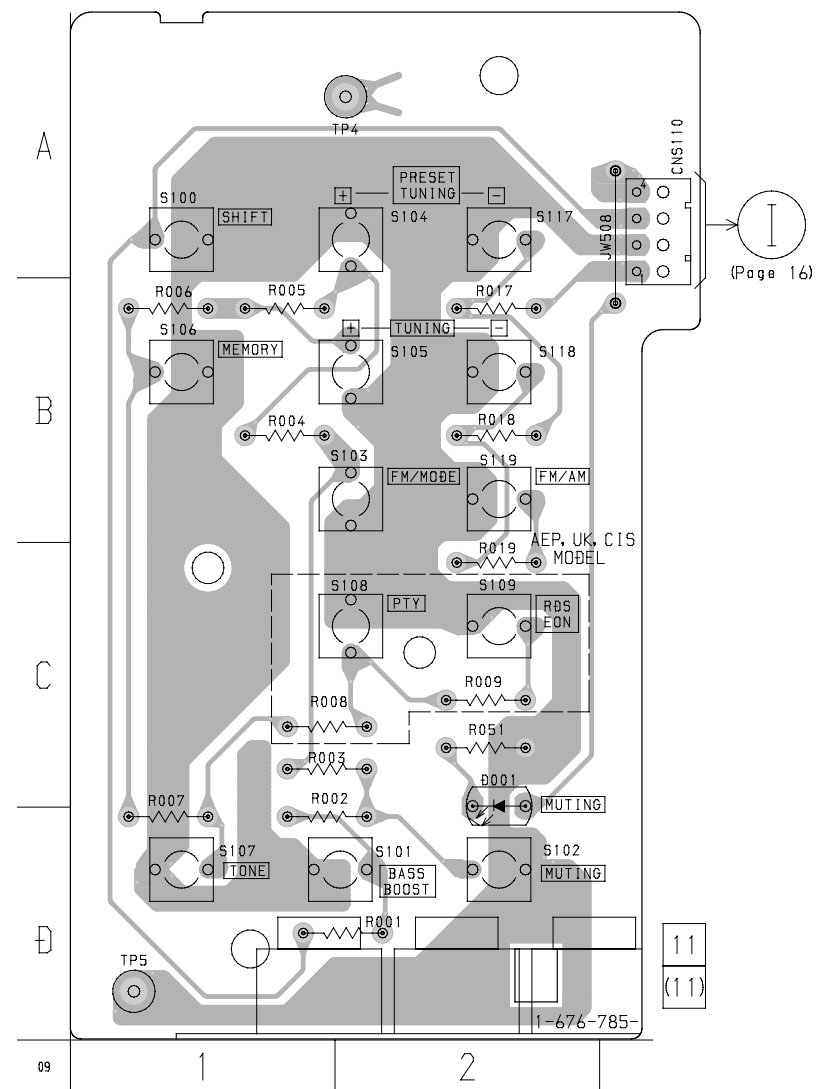




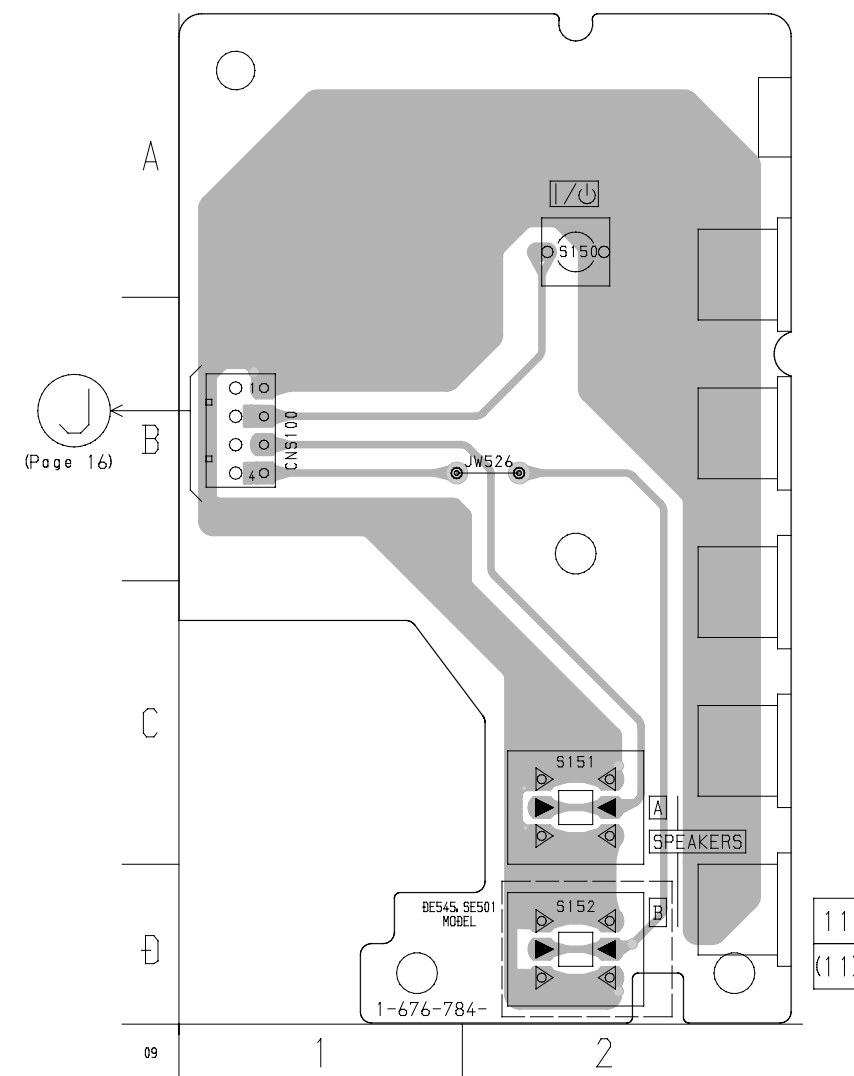
3-11. PRINTED WIRING BOARD — VIDEO/KEY SECTION —

- See page 7 for Circuit Boards Location.

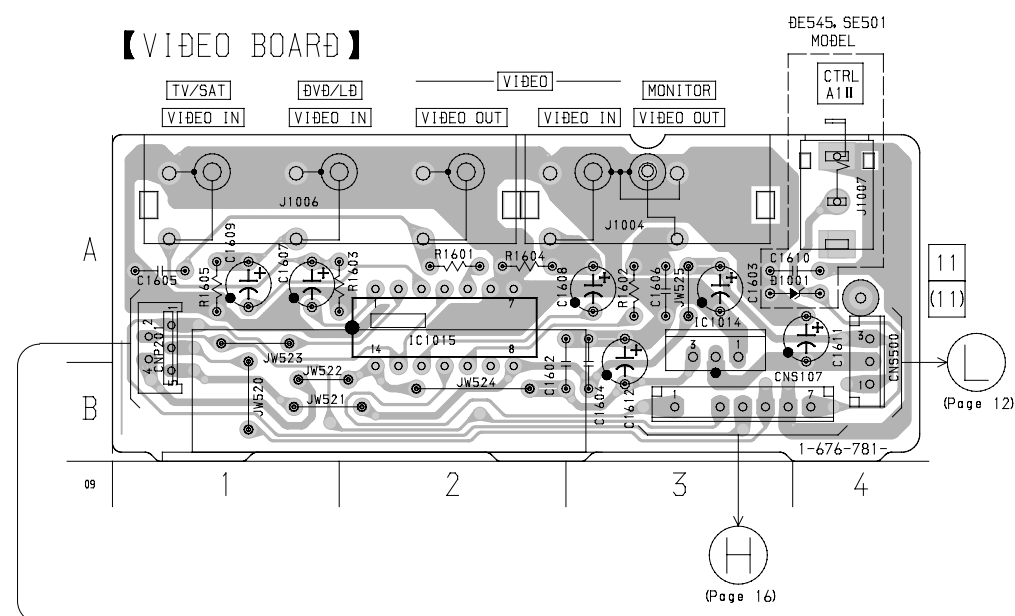
【TUNER SWITCH BOARD】



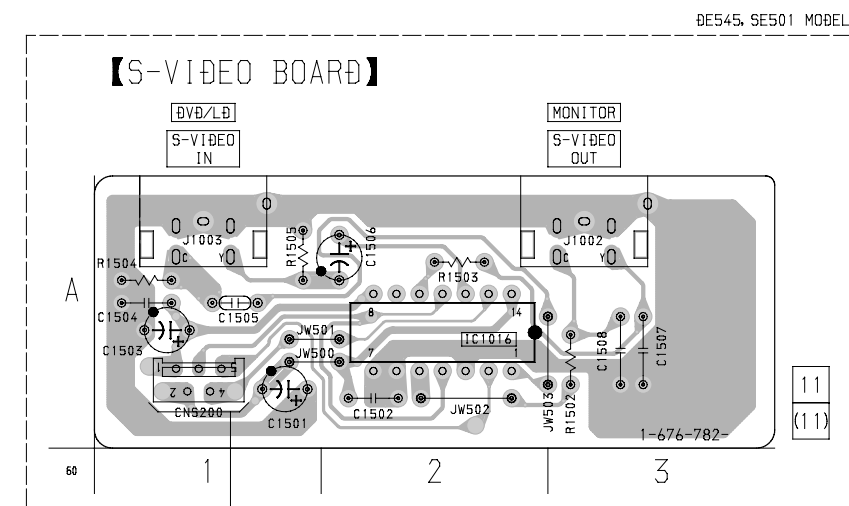
【POWER SWITCH BOARD】

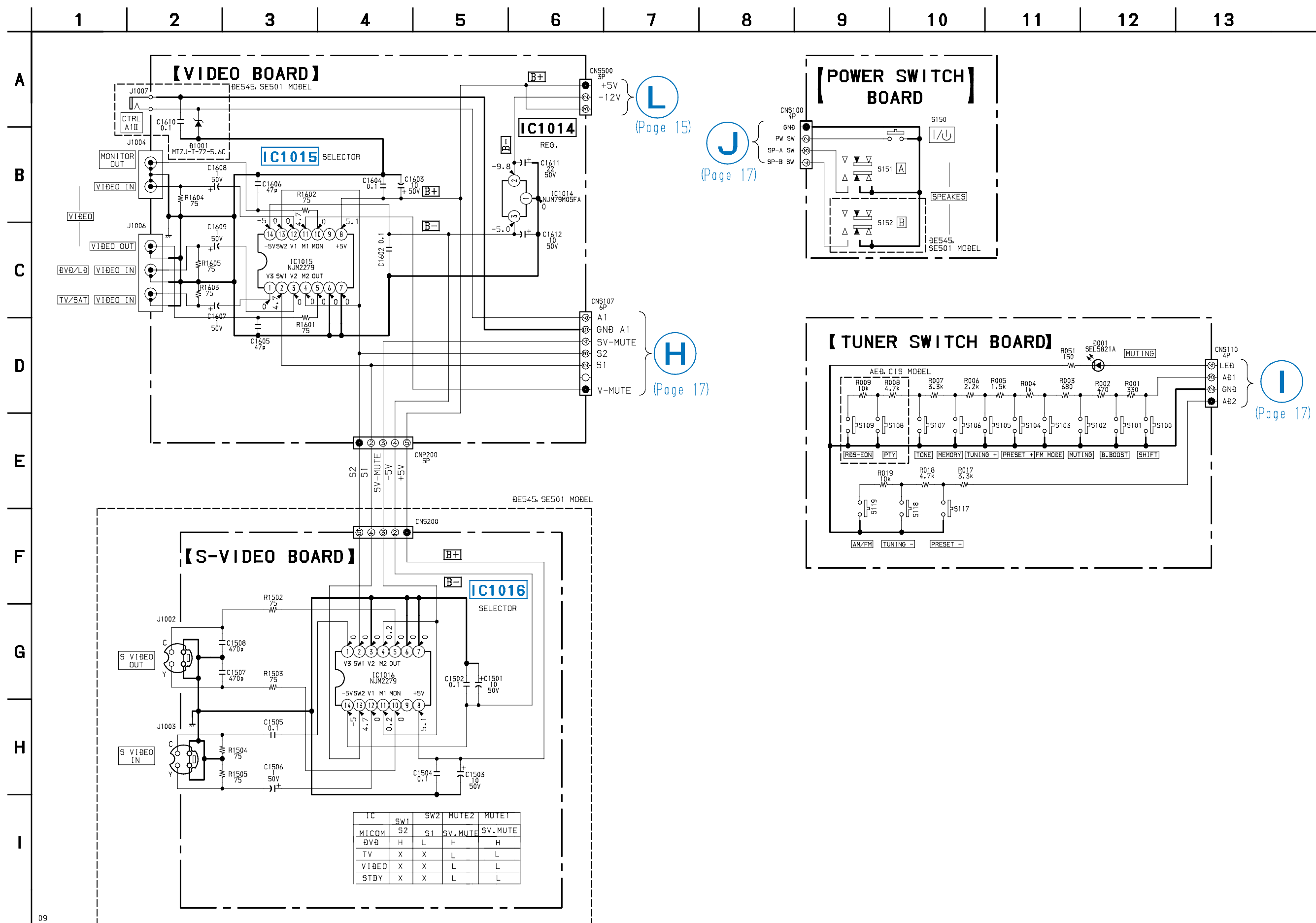


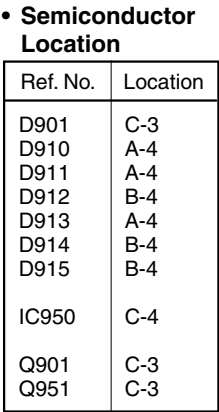
【VIDEO BOARD】



【S-VIDEO BOARD】







3-14. IC PIN FUNCTIONS

• IC1004 LC89055W-RA8 DIGITAL AUDIO I/F RECEIVER (DIGITAL BOARD)

| Pin No. | Pin Name | I/O | Function |
|---------|----------|-----|---|
| 1 | DISEL | I | Input data select. (connected to ground.) |
| 2 | DOUT | O | EIAJ data and parity flag output terminal (Not used) |
| 3 | DIN0 | I | Amplifier integrate data input terminal |
| 4 | DIN1 | O | Amplifier integrate data input terminal |
| 5 | DIN2 | I | Amplifier integrate data input terminal |
| 6 | D. GND | — | Digital ground |
| 7 | D. VDD | O | Digital power supply |
| 8 | R | I | Input terminal for VCO generator band adjustment |
| 9 | V IN | I | Input terminal for VCO self running frequency set |
| 10 | LPF | O | External LPF for PLL is connected to this terminal |
| 11 | A. VDD | — | Analog power supply |
| 12 | A. GND | — | Analog ground |
| 13 | CK OUT | — | 256fs or 128fs clock output terminal (Select CLKMD terminal) |
| 14 | BCK | O | Bit clock output terminal |
| 15 | LRCK | O | “L, R clock output terminal (L-ch: “H”, R-ch: “L”)” |
| 16 | DATA O | O | Audio data output terminal |
| 17 | XSTATE | O | Xtal status frag output. |
| 18 | D. GND | — | Digital ground |
| 19 | D. VDD | — | Digital power supply |
| 20 | XMCK | — | Not used. |
| 21 | XOUT | O | Crystal oscillator output terminal (Not used.) |
| 22 | XIN | I | Crystal oscillator input terminal |
| 23 | EMPHA | O | Emphasis monitor output terminal (“H” = ON) (Not used.) |
| 24 | AUDIO | — | Not used. |
| 25 | CSFLAG | O | C-bit change frag output. (Not used.) |
| 26 | F0/P0/C0 | — | Not used. |
| 27 | F1/P1/C1 | — | Not used. |
| 28 | F2/P2/C2 | — | Not used. |
| 29 | F3/P3/C3 | — | Not used. |
| 30 | D. VDD | — | Digital power supply |
| 31 | D. GND | — | Digital ground |
| 32 | AUTO | O | Non PCM data detect flag output. (Not used.) |
| 33 | BPSYNC | O | Non PCM sync detect flag output. (Not used.) |
| 34 | ERROR | O | Error mute output terminal |
| 35 | DO | O | Microprocessor I/F. When CCB/ $\overline{\text{SUB}}$ is “H”, data output terminal (high level open drain output) |
| 36 | DI | I | Microprocessor I/F. Data input terminal |
| 37 | CE | I | Microprocessor I/F. Chip enable/latch input terminal |
| 38 | CLK | I | Microprocessor I/F. Clock input terminal |
| 39 | XSEL | I | Xtal select. (Connected to +5V.) |
| 40 | MODE0 | I | Mode 0 input. (Connected to ground.) |
| 41 | MODE1 | I | Mode 1 input. (Connected to ground.) |
| 42 | D. GND | — | Digital ground |
| 43 | D. VDD | — | Digital power supply |
| 44 | DOSEL0 | O | Output data select 0. (Connected to ground.) |
| 45 | DOSEL1 | O | Output data select 1. (Connected to ground.) |
| 46 | CKSEL0 | I | System clock select input 0. (Connected to ground.) |
| 47 | CKSEL1 | I | System clock select input 1. (Connected to ground.) |
| 48 | XMODE | I | Reset input. |

• IC1006 CXD9511AQ Audio DISP (DIGITAL BOARD)

| Pin No. | Pin Name | I/O | Function |
|---------|-------------|-----|---|
| 1 | VDD1 | — | Power supply. (+5v.) |
| 2 | RAMCEN | O | External RAM chip select output. |
| 3, 4 | RAM16, 15 | O | External RAM address data output. (Not used.) |
| 5 – 7 | SDIB0 – 2 | I | PCM input to sub DSP. (Not used.) |
| 8 | XI | I | Xta'l 12.288MHz input. |
| 9 | XO | O | Not used. |
| 10 | VSS | — | Ground. |
| 11 | AVDD | — | Power supply. (+3.3v) |
| 12 | SDIB3 | O | PCM input to sub DSP. (Not used.) |
| 13, 14 | TEST | — | Test terminal.(Not used.) |
| 15 | OVFB | O | Sub DSP over flow detect. (Not used.) |
| 16 | DTS DATA | O | DTS data detect. (Not used.) |
| 17 | AC3 DATA | O | AC-3 data detect. (Not used.) |
| 18 | SDOB3 | O | PCM output from Sub DSP. Not used. |
| 19 | CPO | O | Output for PLL.Connected to external analog filter. |
| 20 | AVSS | — | Ground. |
| 21 | VDD2 | — | Power supply. (+3.3v.) |
| 22 – 24 | SDOA2 – 0 | O | PCM output from Main DSP. (Not used.) |
| 25 – 29 | RAMA14 – 10 | O | External RAM address data output. |
| 30 | VSS | — | Ground. |
| 31 | VDD1 | — | Power supply. (+5v.) |
| 32 – 39 | OPORT0 – 7 | O | Not used. |
| 40 | VSS | — | Ground. |
| 41 | VDD2 | — | Power supply. (+3.3v) |
| 42 – 44 | RAMA9 – 7 | O | External RAM address data output. |
| 45 – 47 | SDOB2-0 | O | PCM output from Sub DSP. |
| 48 | SDBCK1 | I | Bit clock input for SDOA, SDIB, SDOB. (Not used.) |
| 49 | SDWCK1 | I | Word clock input for SDOA, SDIB, SDOB. (Not used.) |
| 50 | VSS | — | Ground. |
| 51 | VDD2 | — | Power supply. (+3.3v.) |
| 52 | NONPCM | O | Non-PCM data detect. (Not used.) |
| 53 | CRC | O | AC-3 CRC error detect.(Not used.) |
| 54 | MUTE | O | Auto mute detect.(Not used.) |
| 55 | KARAOKE | O | AC-3 karaoke data detect. (Not used.) |
| 56 | SURENC | O | AC-3 2/0 mode dolby surround encode input detect. (Not used.) |
| 57 | SDBCKO | O | SDBCK0 inverter clock output. (Not used.) |
| 58, 59 | RAMA6, 5 | O | External SRAM address data output. |
| 60 | VSS | — | Ground. |
| 61 | RAMA4 | O | External SRAM address data output. |
| 62 | IC | I | Initial clear. |
| 63 | TEST | — | Test terminal. (Not used.) |
| 64 | RAMA3 | O | External SRAM address data output. |
| 65 | CSB | I | Chip select input for Sub DSP. |
| 66 | CSB | I | Microcomputer interface chip select input. |
| 67 | SO | O | Microcomputer interface data output. |
| 68 | SI | I | Microcomputer interface data input. |
| 69 | SCK | I | Microcomputer interface clock input. |
| 70 | RAMA2 | O | External SRAM address data output. |

| Pin No. | Pin Name | I/O | Function |
|---------|------------|-----|---|
| 71 | VDD1 | — | Power supply. (+5v.) |
| 72 – 79 | RAMD0 – 7 | I/O | External SRAM data input/output. |
| 80 | VSS | — | Ground. |
| 81 | VDD2 | — | Power supply. (+3.3v.) |
| 82 | SDWCKO | I | Bit clock input for SDOA, SDIB, SDOB. |
| 83 | SDBCKO | I | Word clock input for SDOA, SDIB, SDOB. |
| 84 | SDIA0 | I | AC-3/DTS bitstream or PCM data input to Main DSP. |
| 85 | SDIA1 | O | AC-3/DTS bitstream or PCM data input to Main DSP. |
| 86 | RAMA1 | O | External SRAM address data output. |
| 87 | RAMA0 | O | External SRAM address data output. |
| 88 | RAMWEN | O | Write enable for external SRAM. |
| 89 | RANOEN | O | Output enable for external SRAM. |
| 90 | VSS | — | Ground. |
| 91 | VDD2 | — | Power supply. (+3.3v.) |
| 92 – 99 | IPORT7 – 0 | I | Not used. |
| 100 | VSS | — | Ground. |

• IC1008 AK4527 A/D, D/A CONVERTER (DIGITAL BOARD)

| Pin No. | Pin Name | I/O | Function |
|---------|-------------|-----|---|
| 1 | SDOS | I | SDTO source select pin “L”: internal ADC output, “H”: DAUX input ORed with serial control register if P/ \bar{S} = “L” (Connected to ground) |
| 2 | I2C | I | Serial control mode select pin |
| 3 | S MUTE | I | Soft mute pin “H”: Soft mute ON, “L”: OFF |
| 4 | BCLK | I/O | Audio serial data clock pin |
| 5 | LRCK | I/O | Input/output channel clock pin |
| 6 | SDT11 | I | DAC1 audio serial data input pin |
| 7 | SDT12 | I | DAC2 audio serial data input pin |
| 8 | SDT13 | I | DAC3 audio serial data input pin |
| 9 | SDTO | O | Audio serial data output pin |
| 10 | DAUX | I | AUX audio serial data input pin (Connected to ground) |
| 11 | DFS | I | Double speed sampling mode pin “L”: normal speed, “H”: double speed ORed with serial control register if P/ \bar{S} = “L” |
| 12 – 13 | DEM1 – DEM0 | I | De-emphasis pin ORed with serial control register if P/ \bar{S} = “L” (Connected to ground) |
| 14 | TVDD | — | Connected to digital power supply. |
| 15 | D. 5V | — | Digital power supply pin |
| 16 | D. GND | — | Digital ground pin |
| 17 | PDN | I | Power-down & reset pin When “L”, the AK4527 is powered-down and the control registers are reset to default state. If the state of CAD0-1 changes, then the AK4527 must be reset by PDN. |
| 18 | ICKS2 | I | Input clock select 2 pin. (Connected to ground) |
| 19 | ICKS1 | I | Input clock select 1 pin. (Connected to digital power supply) |
| 20 | ICKS0 | I | Input clock select 0 pin. (Connected to digital power supply) |
| 21 | CAD1 | I | Chip address pin Used during the serial control mode. (Connected to ground) |
| 22 | CAD0 | I | Chip address pin Used during the serial control mode. (Connected to ground) |
| 23 | LOUT3 | O | Lch #3 analog output pin |
| 24 | ROUT3 | O | Rch #3 analog output pin |
| 25 | LOUT2 | O | Lch #2 analog output pin |
| 26 | ROUT2 | O | Rch #2 analog output pin |
| 27 | LOUT1 | O | Lch #1 analog output pin |
| 28 | ROUT1 | O | Rch #1 analog output pin |
| 29 | LIN– | I | Lch analog negative input pin |
| 30 | LIN+ | I | Lch analog positive input pin |

| Pin No. | Pin Name | I/O | Function |
|---------|-----------------|-----|--|
| 31 | RIN- | I | Rch analog negative input pin |
| 32 | RIN+ | I | Rch analog positive input pin |
| 33 | DZF2 | O | Zero input detect 2. (Not used.) |
| 34 | VCOM | O | Common voltage output pin, AVDD/2 Large external capacitor is used to reduce power-supply noise |
| 35 | VREFH | I | “Positive voltage reference input pin, AVDD” |
| 36 | A. 5V | — | Analog power supply pin |
| 37 | A. GND | — | Analog ground pin |
| 38 | DZF1 | O | Zero input detect 1. (Not used.) |
| 39 | MCLK | I | Master clock input pin |
| 40 | P/S | I | Parallel/serial select pin “L”: serial control mode, “H”: parallel control mode (Connected to ground) |
| 41 | DIF ϕ /CSN | I | Audio data interface format. (At parallel control mode.) Chip select pin in serial mode |
| 42 | CCLK | I | Control data clock pin in serial mode |
| 43 | CDTI | I | Control data input in serial mode |
| 44 | LOOP1 | I | Loop back model |

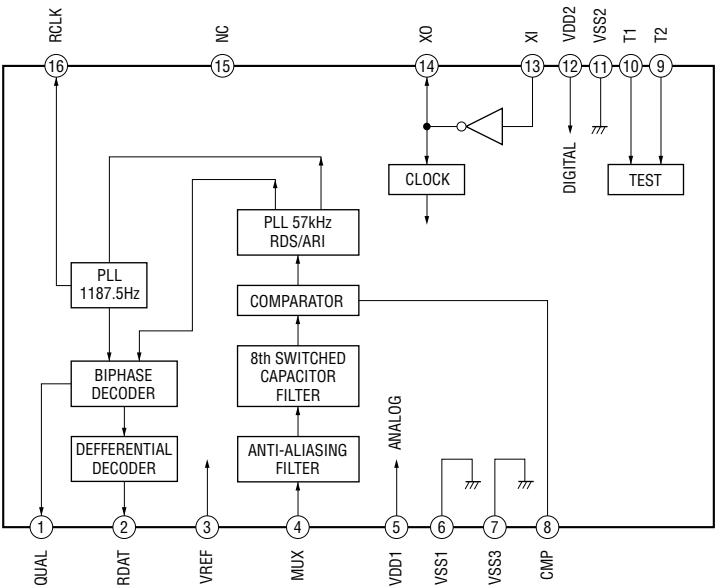
• IC102 MB90553ABPF-G-158-BND System control (DISPLAY BOARD)

| Pin No. | Pin Name | I/O | Function |
|---------|----------------|-----|--|
| 1 | BLUE LED | O | MULTI CHANNEL DECODING display data output to LED. |
| 2 | BB LED | O | BASS BOOST display data output to LED. |
| 3 | TONE LED | O | TONE display data output to LED. |
| 4 | DOLBY LED | O | DOLBY DIGITAL display data output to LED. |
| 5 | AFD LED | O | A.F.D display data output to LED. |
| 6 | 2CH LED | O | 2CH display data output to LED. |
| 7 | MODE LED | O | MODE display data output to LED. |
| 8 | PW RY | O | Power relay. |
| 9 | SP B RY | O | Speaker B relay. |
| 10 | SP A RY | O | Speaker A relay. |
| 11 | VSS | — | Ground. |
| 12 | CENTER RY | O | Center Speaker relay. |
| 13 | WOOFER RY | O | Sub Woofer relay. |
| 14 | REAR RY | O | Rear Speaker relay. |
| 15 | H/P RY | O | Phones relay. |
| 16 | FL CLR | O | Clear output to flourescent display tube. |
| 17 | FL LAT | O | Latch output to flourescent display tube. |
| 18 | FL CLK | O | Clock output to flourescent display tube. |
| 19 | FL DATA/FLASH | O | Data output to flourescent display tube./FLASH data output. |
| 20 | FLASH2 | I | FLASH data input. |
| 21 | YSS912 CLK | O | Clock output to Audio DSP IC. |
| 22 | YSS912 SI | O | Serial data output to Audio DSP IC. |
| 23 | VCC | — | Power supply. |
| 24 | YSS912 SO | I | Serial data input to Audio DSP IC. |
| 25 | YSS912 CS | O | Chip select output to Audio DSP IC. |
| 26 | SECTION NAME | I | Section name signal input. |
| 27 | C | — | External power regulator capacitor 0.1 is connected to this terminal. |
| 28 | SVIDEO MUTE | O | S-video mute output. |
| 29 | AC MUTE | O | AC mute output. |
| 30 – 32 | LED1 – 3 | O | LED data output. |
| 33 | SELECT LED | O | LED select data output. |
| 34 | AVCC | — | Analog power supply. |
| 35 | AVRH | — | Connected to power supply. |
| 36 | AVRL | — | Connected to ground. |
| 37 | AVSS | — | Ground. |
| 38 – 41 | AD KEY IN1 – 4 | I | Key input. |
| 42 | VSS | — | Power supply. |
| 43 | VERSION | I | Version signal input. |
| 44 | RDS SIGNAL | I | RDS signal input. |
| 45 | JOG A (UP) | I | Function encoder up input. |
| 46 | JOG B (DWN) | I | Function encoder down input. |
| 47 | STOP | I | Stop input. |
| 48 | RDS DT | I | RDS data input. |
| 49 | MD0 | I | Selection of microporcessor operation mode. |
| 50 | MD1 | I | Selection of microporcessor operation mode. (Connected to power supply.) |
| 51 | MD2 | I | Selection of microporcessor operation mode. |
| 52 | HSTX | I | Hardware standby signal input. |
| 53 | RDS CLK | I | RDS clock input. |
| 54 | SP B | I | Speaker B signal input. |

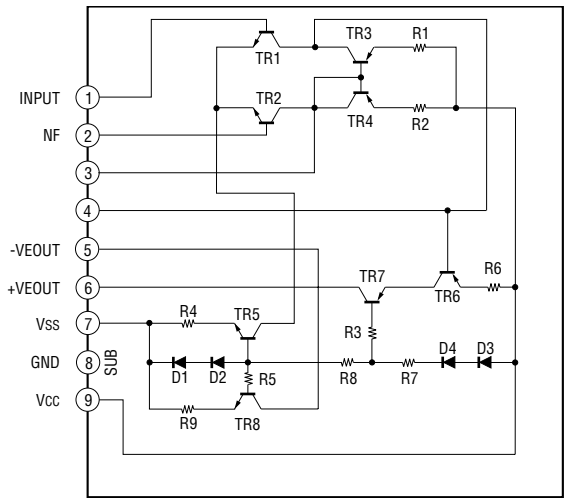
| Pin No. | Pin Name | I/O | Function |
|---------|----------------|-----|--|
| 55 | SP A | I | Speaker A signal input. |
| 56 | PW KEY IN | I | Power key input. |
| 57 | SIRCS | I | Sircs signal input. |
| 58 | PROTECTOR | I | Protect signal input. |
| 59 | TUNER LAT | O | Tuner latch output. |
| 60 | TUNER DATA OUT | O | Tuner data output. |
| 61 | TUNER CLK | O | Tuner clock output. |
| 62 | TUNER DATA IN | I | Tuner data input. |
| 63 | AUBUS IN | I | Audio data bus input. |
| 64 | AUBUS OUT | O | Audio data bus output. |
| 65 | TUNER MUTE | O | Tuner mute output. |
| 66 | AUTO STOP | I | Auto stop signal input. |
| 67 | STEREO | I | Stereo signal input. |
| 68 | CODEC CLK | O | CODEC clock output. |
| 69 | CODEC DFS | O | CODEC double speed sampling output. |
| 70 | CODEC CDT1 | O | CODEC control data output. |
| 71 | CODEC PD | O | CODEC power down output. |
| 72 | CODEC MUTE | O | CODEC mute output. |
| 73 | CODEC CS | O | CODEC chip select output. |
| 74 | VIDEO MUTE | O | Video mute output. |
| 75 | S1 | O | Video select switch1 output. |
| 76 | S2 | O | Video select switch2 output. |
| 77 | RESET | I | Reset input. |
| 78 | M61501 DATA | O | Data output to sound processor. |
| 79 | M. CLK | O | Clock output to sound processor. |
| 80 | M. CE | O | Chip enable output to sound processor. |
| 81 | VSS | — | Ground. |
| 82 | XO | O | External ceramic filter 16MHz is connected to this terminal. |
| 83 | XI | I | External ceramic filter 16MHz is connected to this terminal. |
| 84 | VCC | — | Power supply. |
| 85 | VOL-A (UP) | I | Volume up signal input. |
| 86 | VOL-B (DOWN) | I | Volume down signal input. |
| 87 | MUTE LED | O | Muting display data output to LED. |
| 88 | SYSTEM MUTE | O | System mute output. |
| 89 | D.DO | I | Data input to digital audio I/F receiver. |
| 90 | DIR DI | O | Data output to digital audio I/F receiver. |
| 91 | DIR CE | O | Chip enable output to digital audio I/F receiver. |
| 92 | DIR CLK | O | Clock output to digital audio I/F receiver. |
| 93 | DIR XMODE | O | Reset signal output to digital audio I/F receiver. |
| 94 | DIR DATAO | I | Audio data input to digital audio I/F receiver. |
| 95 | D.ERR | I | Error mute signal input to digital audio I/F receiver. |
| 96 | DIR XSTATE | I | Xtal status frag signal input to digital audio I/F receiver. |
| 97 | DTS | I | Digital theater system signal input. |
| 98 | ANG/DIG | O | Analog/digital select signal output. |
| 99 | Y CS | O | Chip select output to Audio DSP IC. |
| 100 | Y IC | O | Reset signal output to Audio DSP IC. |

3-15. IC BLOCK DIAGRAMS

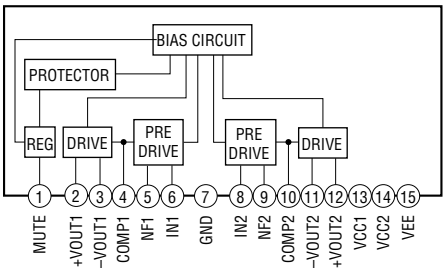
IC301 BU1924F-E2 (MAIN BOARD)



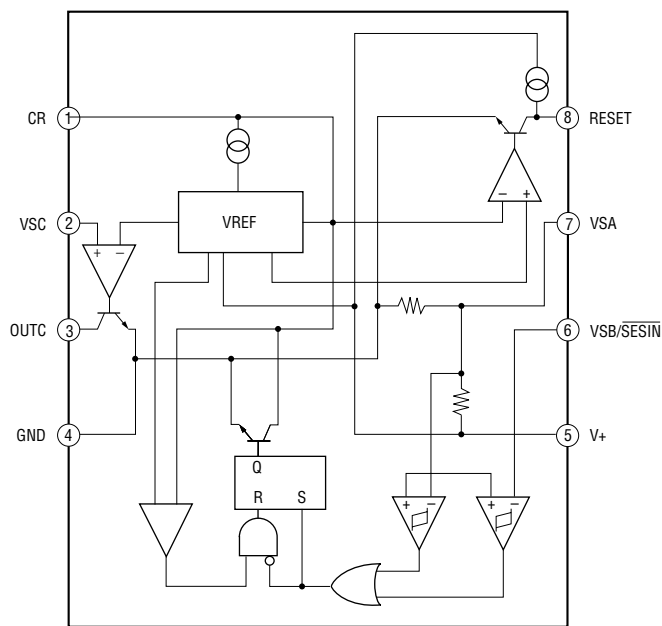
IC501 STK350-230 (MAIN BOARD)



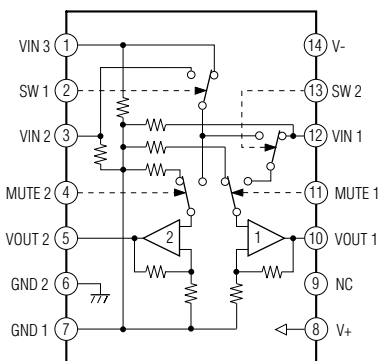
IC701, 702 μ PC2581V (MAIN BOARD)



IC950 NJM2103D (STBY BOARD)



IC1015 NJM2279D (VIDEO BOARD)
IC1016 NJM2279D (S VIDEO BOARD)



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.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) ... (RED)

Parts of Color Cabinet's Color

- 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.

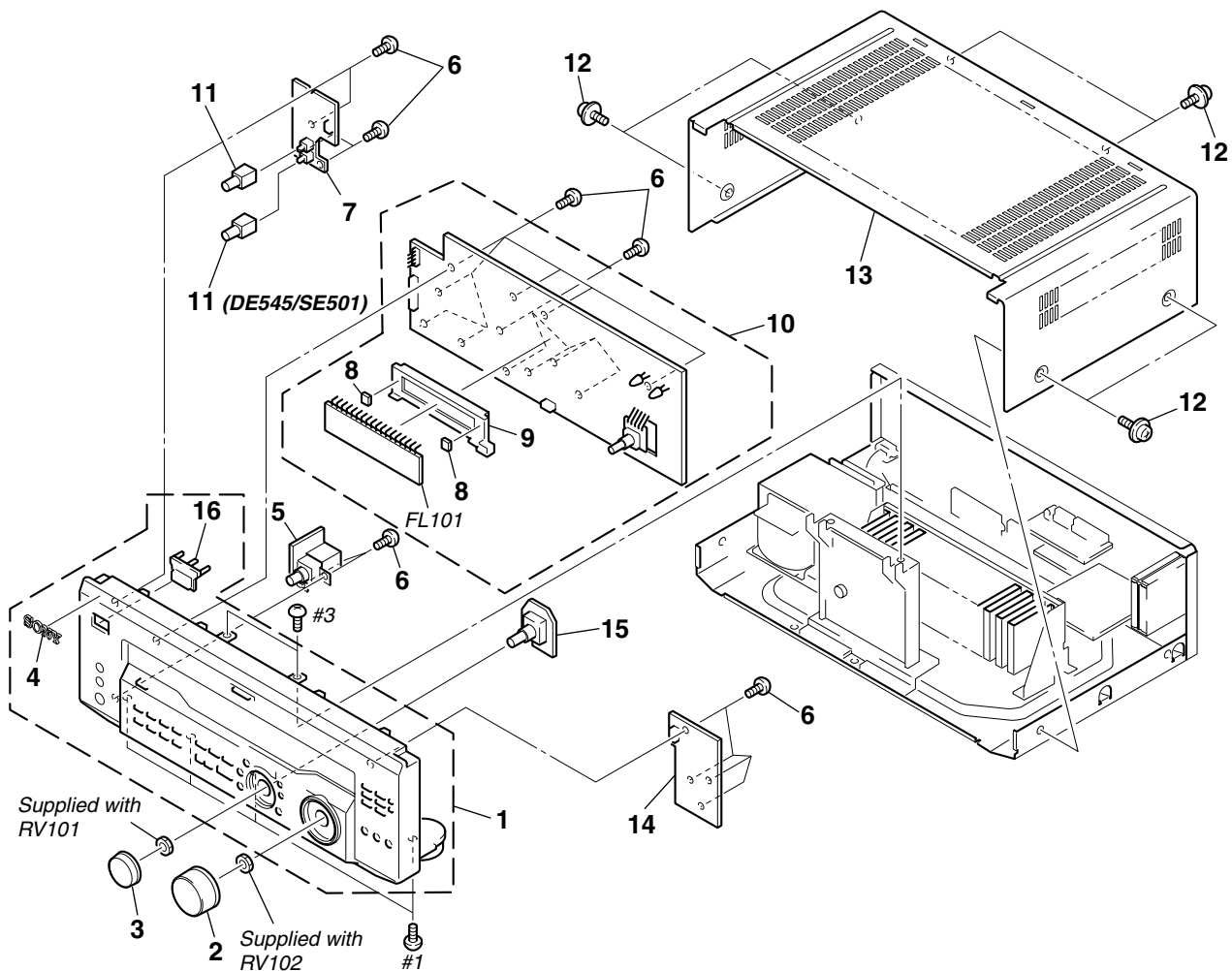
以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- Abbreviation
CND : Canadian MY : Malaysia
AUS : Australian SP : Singapore
CH : Chinese TW : Taiwan

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

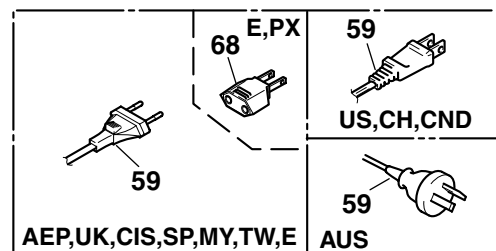
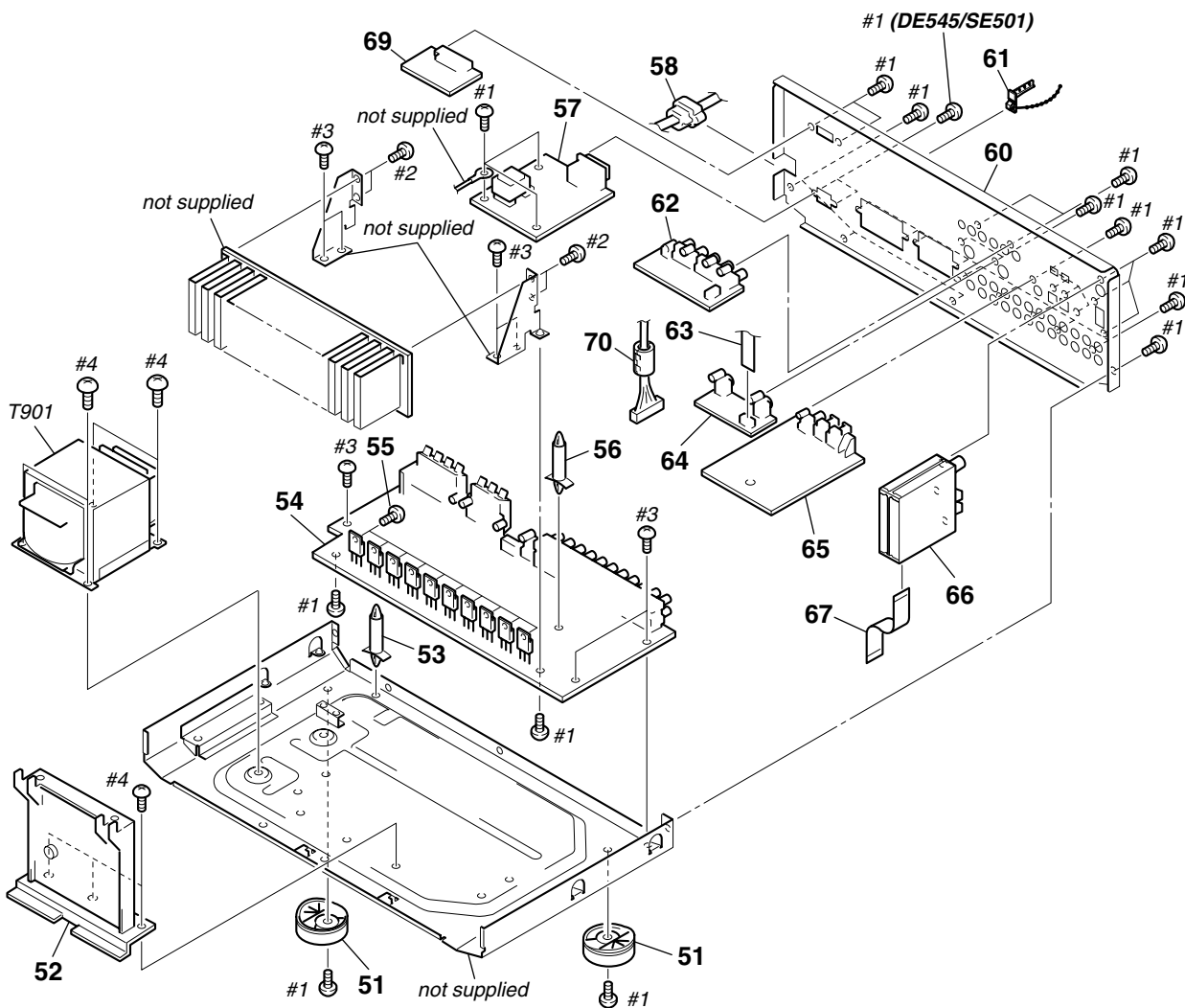
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|--------|----------|--------------|---|--------|
| 1 | X-4952-628-1 | FRONT PANEL ASSY(DE545:US,CND) | | 10 | A-4428-464-A | DISPLAY BOARD, COMPLETE(DE445:CND) | |
| 1 | X-4952-629-1 | FRONT PANEL ASSY(DE445:US,CND) | | 10 | A-4428-466-A | DISPLAY BOARD, COMPLETE | |
| 1 | X-4952-679-1 | FRONT PANEL ASSY(DE545:AUS) | | | | (DE445:AEP,UK,CIS) | |
| 1 | X-4952-680-1 | FRONT PANEL ASSY(DE545:AEP,UK,CIS) | | 10 | A-4428-468-A | DISPLAY BOARD, COMPLETE(DE545:CND) | |
| 1 | X-4952-681-1 | FRONT PANEL ASSY(DE545:CH,TW,SP,MY) | | 10 | A-4428-471-A | DISPLAY BOARD, COMPLETE | |
| | | | | | | (DE545:AEP,UK,CIS) | |
| 1 | X-4952-682-1 | FRONT PANEL ASSY(BLACK)(DE445:AEP,UK,CIS) | | 10 | A-4428-479-A | DISPLAY BOARD, COMPLETE(DE545:TW,E,PX) | |
| 1 | X-4952-683-1 | FRONT PANEL ASSY(SE501) | | | | | |
| 1 | X-4952-831-1 | FRONT PANEL ASSY(SILVER) | | 10 | A-4428-482-A | DISPLAY BOARD, COMPLETE(DE545:CH,SP,MY) | |
| | | (DE445:AEP,UK,CIS) | | 10 | A-4428-492-A | DISPLAY BOARD, COMPLETE(DE545:AUS) | |
| 1 | X-4952-938-1 | FRONT PANEL ASSY(DE545:E,PX) | | 11 | 4-226-445-11 | BUTTON (S)(BLACK)(US,CND,AEP,UK,CIS) | |
| 2 | 4-226-453-11 | KNOB(VOL-E3) (BLACK) | | 11 | 4-226-445-21 | BUTTON (S)(DE545:CH,TW,SP,MY) | |
| | | (CH,US,CND,AEP,UK,CIS,AUS) | | 11 | 4-226-445-41 | BUTTON (S)(SILVER) | |
| | | | | | | (DE445:AEP,UK,CIS/DE545:E,PX,AUS) | |
| 2 | 4-226-453-21 | KNOB(VOL-E3)(DE545:TW,SP,MY) | | 12 | 4-210-291-01 | SCREW (CASE 3 TP2)(BLACK) | |
| 2 | 4-226-453-41 | KNOB(VOL-E3)(SILVER) | | | | (US,CND,AEP,UK,CIS) | |
| | | (DE445:AEP,UK,CIS/DE545:E,PX,AUS) | | 12 | 4-210-291-11 | SCREW (CASE 3 TP2)(SILVER) | |
| 3 | 4-226-799-01 | KNOB(JOG)(BLACK)(US,CND,AEP,UK,CIS) | | | | (DE445:AEP,UK,CIS/DE545:CH,TW,SP,MY,E,PX,AUS) | |
| 3 | 4-226-799-11 | KNOB(JOG)(SILVER) | | 13 | 4-226-945-01 | CASE(E5)(BLACK)(US,CND,AEP,UK,CIS) | |
| | | (DE445:AEP,UK,CIS/DE545:CH,TW,SP,MY,E,PX,AUS) | | 13 | 4-226-945-21 | CASE(E5)(CH,TW,SP,MY) | |
| 4 | 4-996-698-01 | EMBLEM, SONY(EXCEPT CH,TW,SP,MY) | | 13 | 4-226-945-41 | CASE(E5)(SILVER) | |
| | | | | | | (DE445:AEP,UK,CIS/DE545:E,PX,AUS) | |
| 4 | 4-996-698-11 | EMBLEM, SONY(CH,TW,SP,MY) | | 14 | 1-676-785-11 | TUNER SWITCH BOARD | |
| 5 | 1-676-786-11 | HEADPHONE BOARD | | 15 | 1-676-787-11 | JOG BOARD | |
| 6 | 4-951-620-01 | SCREW(2.6X8), +BVTP | | 16 | 4-996-683-21 | BUTTON (POWER)(BLACK)(US,CND,AEP,UK,CIS) | |
| 7 | 1-676-784-11 | POWER SWITCH BOARD | | 16 | 4-996-683-51 | BUTTON (POWER)(CH,TW,SP,MY) | |
| * 8 | 4-921-941-01 | CUSHION (FL) | | 16 | 4-996-683-71 | BUTTON (POWER)(SILVER) | |
| | | | | | | (DE445:AEP,UK,CIS/DE545:E,PX,AUS) | |
| * 9 | 3-386-245-12 | HOLDER (FL) | | FL101 | 1-517-929-11 | TUBE, FLUORESCENT INDICATOR | |
| 10 | A-4428-428-A | DISPLAY BOARD, COMPLETE(DE445:US) | | | | | |
| 10 | A-4428-438-A | DISPLAY BOARD, COMPLETE(DE545:US) | | | | | |
| 10 | A-4428-458-A | DISPLAY BOARD, COMPLETE(SE501) | | | | | |

4-2. CHASSIS SECTION



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|--------------|---|--------|
| 51 | X-4947-124-1 | FOOT ASSY (F50150S)(SILVER) (DE445:AEP,UK,CIS/DE545:E,PX,AUS) | | 60 | 4-226-802-41 | BACK PANEL (E5)(DE545:SP,MY) | |
| 51 | X-4947-208-1 | FOOT ASSY (F50150S)(BLACK) (DE445:US,CND,AEP,UK/DE545:CH,US,CND,AEP,UK,CIS,SE501) | | 60 | 4-226-802-51 | BACK PANEL (E5)(DE545:CH) | |
| 51 | X-4947-389-1 | FOOT ASSY (F50150S)(BLACK)(DE445:CIS) | | 60 | 4-226-802-61 | BACK PANEL (E5)(DE545:AEP,UK,CIS) | |
| 51 | X-4947-547-1 | FOOT ASSY (F50150S)(DE545:TW,SP,MY) | | 60 | 4-226-802-71 | BACK PANEL (E5)(DE545:TW) | |
| 52 | 4-226-801-01 | SUB MOLD (E5) | | 60 | 4-226-808-01 | BACK PANEL (E4)(DE445:US) | |
| * 53 | 4-954-051-51 | HOLDER, PC BOARD(DE445) | | 60 | 4-226-808-11 | BACK PANEL (E4)(DE445:CND) | |
| 54 | A-4428-423-A | MAIN BOARD, COMPLETE(DE445:US) | | 60 | 4-226-808-21 | BACK PANEL (E4)(DE445:AEP,UK) | |
| 54 | A-4428-429-A | MAIN BOARD, COMPLETE(DE545:US,SE501) | | 60 | 4-226-808-31 | BACK PANEL (E4)(DE445:CIS) | |
| 54 | A-4428-463-A | MAIN BOARD, COMPLETE(DE445:CND) | | 60 | 4-227-063-01 | BACK PANEL (S5)(SE501) | |
| 54 | A-4428-465-A | MAIN BOARD, COMPLETE(DE445:AEP,UK,CIS) | | 61 | 4-956-370-12 | BAND, PLUG FIXED(DE545:TW,AUS) | |
| 54 | A-4428-467-A | MAIN BOARD, COMPLETE(DE545:CND,E,PX) | | 62 | 1-676-781-11 | VIDEO BOARD | |
| 54 | A-4428-469-A | MAIN BOARD, COMPLETE(DE545:AEP,UK,CIS) | | 63 | 1-769-840-11 | WIRE(FLAT TYPE) (5 CORE)(DE545,SE501) | |
| 54 | A-4428-490-A | MAIN BOARD, COMPLETE (DE545:CH,TW,SP,MY,AUS) | | 64 | 1-676-782-11 | S-VIDEO BOARD(DE545,SE501) | |
| 55 | 3-905-609-01 | SCREW (TRANSISTOR) | | 65 | A-4424-456-A | DIGITAL BOARD, COMPLETE(DE445) | |
| * 56 | 4-924-098-91 | HOLDER, PC BOARD | | 65 | A-4424-459-A | DIGITAL BOARD, COMPLETE(DE545,SE501) | |
| 57 | A-4428-435-A | STBY BOARD, COMPLETE(US,CND) | | 66 | 1-693-407-41 | TUNER(TW,US,CND,E) | |
| 57 | A-4428-478-A | STBY BOARD, COMPLETE(E,PX) | | 66 | 1-693-408-41 | TUNER(CH,AEP,UK,CIS,SP,MY,AUS) | |
| 57 | A-4428-481-A | STBY BOARD, COMPLETE(AEP,UK,CIS,SP,MY) | | 67 | 1-773-001-11 | WIRE(FLAT TYPE) (15 CORE) | |
| 57 | A-4428-491-A | STBY BOARD, COMPLETE(AUS) | | △ 68 | 1-569-008-21 | ADAPTOR, CONVERSION 2P(E,PX) | |
| 57 | A-4428-497-A | STBY BOARD, COMPLETE(CH) | | 69 | 1-676-788-11 | AC SEL BOARD(E,PX) | |
| 57 | A-4473-334-A | STBY BOARD, COMPLETE(TW) | | 70 | 1-500-386-11 | FILTER, CLAMP (FERRITE CORE) | |
| * 58 | 3-703-244-00 | BUSHING (2104), CORD | | △ T901 | 1-435-306-11 | TRANSFORMER, POWER(DE545:US) | |
| △ 59 | 1-696-847-11 | CORD, POWER(AUS) | | △ T901 | 1-435-306-21 | TRANSFORMER, POWER(SE501) | |
| △ 59 | 1-777-070-21 | CORD, POWER(CND) | | △ T901 | 1-435-307-11 | TRANSFORMER, POWER(DE545:CND) | |
| △ 59 | 1-777-071-21 | CORD, POWER(AEP,UK,CIS,SP,MY,TW,E,PX) | | △ T901 | 1-435-308-11 | TRANSFORMER, POWER(DE545:AUS) | |
| △ 59 | 1-783-205-11 | CORD, POWER(CH) | | △ T901 | 1-435-309-11 | TRANSFORMER, POWER (DE545:CH,AEP,UK,CIS,SP,MY) | |
| △ 59 | 1-783-820-11 | CORD, POWER(US) | | △ T901 | 1-435-310-11 | TRANSFORMER, POWER(DE545:E,PX) | |
| 60 | 4-226-802-01 | BACK PANEL (E5)(DE545:US) | | △ T901 | 1-435-312-11 | TRANSFORMER, POWER(DE445:CND) | |
| 60 | 4-226-802-11 | BACK PANEL (E5)(DE545:CND) | | △ T901 | 1-435-313-11 | TRANSFORMER, POWER(DE445:US) | |
| 60 | 4-226-802-21 | BACK PANEL (E5)(DE545:AUS) | | △ T901 | 1-435-314-11 | TRANSFORMER, POWER(DE445:AEP,UK,CIS) | |
| 60 | 4-226-802-31 | BACK PANEL (E5)(DE545:E,PX) | | △ T901 | 1-435-562-11 | TRANSFORMER, POWER(DE545:TW) | |

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

SECTION 5 ELECTRICAL PARTS LIST

NOTE:

- 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.
- Abbreviation

| | | | |
|-----|--------------|----|-------------|
| CND | : Canadian | MY | : Malaysia |
| AUS | : Australian | SP | : Singapore |
| CH | : Chinese | TW | : Taiwan |
- 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

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

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

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.

以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|---------------|--------------|--|--------|----------|--------------|--------------------------------|--------|
| | 1-676-788-11 | AC SEL BOARD (E,PX) | | C1221 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | | ***** | | C1222 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | 1-533-223-11 | HOLDER, FUSE (E,PX) | | C1223 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | | < CONNECTOR > | | C1224 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| | | | | C1225 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| * CNP910 | 1-580-445-11 | PIN, CONNECTOR 3P(E,PX) | | C1226 | 1-126-964-11 | ELECT 10uF 20.00% 50V | |
| | | < FUSE > | | C1228 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| Δ F903 | 1-532-504-31 | FUSE T4AL 250V(E,PX) | | C1229 | 1-104-664-11 | ELECT 47uF 20.00% 16V | |
| | | < SWITCH > | | C1230 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| Δ S901 | 1-571-437-11 | SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(E,PX) | | C1231 | 1-126-964-11 | ELECT 10uF 20.00% 50V | |
| | | ***** | | C1232 | 1-126-935-11 | ELECT 470uF 20.00% 6.3V | |
| | A-4424-456-A | DIGITAL BOARD, COMPLETE (DE445) | | C1233 | 1-126-960-11 | ELECT 1uF 20.00% 50V | |
| | | ***** | | C1251 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | A-4424-459-A | DIGITAL BOARD, COMPLETE (DE545,SE501) | | C1252 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| | | ***** | | C1253 | 1-126-964-11 | ELECT 10uF 20.00% 50V | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | C1254 | 1-106-347-00 | MYLAR 0.0015uF 5.00% 50V | |
| | | < CAPACITOR > | | C1271 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| C1001 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1272 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| C1002 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1273 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | | (DE545,SE501) | | C1301 | 1-126-935-11 | ELECT 470uF 20.00% 6.3V | |
| C1101 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1302 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1102 | 1-163-021-91 | CERAMIC CHIP 0.01uF 10.00% 50V | | C1303 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1103 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1304 | 1-104-664-11 | ELECT 47uF 20.00% 16V | |
| C1104 | 1-104-664-11 | ELECT 47uF 20.00% 16V | | C1305 | 1-163-133-00 | CERAMIC CHIP 470PF 5% 50V | |
| C1105 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1306 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1106 | 1-163-021-91 | CERAMIC CHIP 0.01uF 10.00% 50V | | C1307 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1107 | 1-104-664-11 | ELECT 47uF 20.00% 16V | | C1308 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1108 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1309 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1109 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1310 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1110 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1311 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1111 | 1-163-021-91 | CERAMIC CHIP 0.01uF 10.00% 50V | | C1312 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1112 | 1-163-233-11 | CERAMIC CHIP 18PF 5.00% 50V | | C1313 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| C1113 | 1-163-233-11 | CERAMIC CHIP 18PF 5.00% 50V | | C1314 | 1-126-960-11 | ELECT 1uF 20.00% 50V | |
| C1114 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | | C1315 | 1-126-935-11 | ELECT 470uF 20.00% 6.3V | |
| C1115 | 1-104-664-11 | ELECT 47uF 20.00% 16V | | C1316 | 1-126-935-11 | ELECT 470uF 20.00% 6.3V | |
| C1116 | 1-163-251-11 | CERAMIC CHIP 100PF 5.00% 50V | | C1317 | 1-126-960-11 | ELECT 1uF 20.00% 50V | |
| C1201 | 1-126-965-11 | ELECT 22uF 20.00% 50V | | C1318 | 1-104-665-11 | ELECT 100uF 20.00% 10V | |
| C1202 | 1-106-347-00 | MYLAR 0.0015uF 5.00% 50V | | C1319 | 1-104-665-11 | ELECT 100uF 20.00% 10V | |
| | | | | C1320 | 1-126-935-11 | ELECT 470uF 20.00% 6.3V | |
| | | | | C1321 | 1-165-319-11 | CERAMIC CHIP 0.1uF 50V | |
| | | | | C1322 | 1-163-243-11 | CERAMIC CHIP 47PF 5.00% 50V | |
| | | | | C1323 | 1-163-217-11 | CERAMIC CHIP 1PF 0.25PF 50V | |
| | | | | C1324 | 1-126-965-11 | ELECT 22uF 20.00% 50V | |
| | | | | C1325 | 1-163-021-91 | CERAMIC CHIP 0.01uF 10.00% 50V | |
| | | | | C1329 | 1-163-251-11 | CERAMIC CHIP 100PF 5.00% 50V | |

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------------|---------------|----------|--------------|-------------------------------|---------------|
| C1330 | 1-163-251-11 | CERAMIC CHIP 100PF 5.00% 50V | | R1002 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | (DE545,SE501) |
| | | < CONNECTOR > | | R1003 | 1-216-022-00 | METAL CHIP 75 5% 1/10W | |
| * CNP501 | 1-691-774-11 | PLUG (MICRO CONNECTOR) 12P | | R1101 | 1-216-071-00 | METAL CHIP 8.2K 5% 1/10W | |
| * CNP502 | 1-564-506-11 | PLUG, CONNECTOR 3P | | R1102 | 1-216-066-00 | METAL CHIP 5.1K 5% 1/10W | |
| | | < CONNECTOR > | | R1103 | 1-216-066-00 | METAL CHIP 5.1K 5% 1/10W | |
| CNS103 | 1-794-006-11 | CONNECTOR 20P | | R1104 | 1-216-022-00 | METAL CHIP 75 5% 1/10W | |
| | | < DIODE > | | R1110 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| D1101 | 8-719-016-74 | DIODE 1SS352-TPH3 | | R1111 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| D1201 | 8-719-016-74 | DIODE 1SS352-TPH3 | | R1112 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| D1202 | 8-719-016-74 | DIODE 1SS352-TPH3 | | R1113 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| D1301 | 8-719-016-74 | DIODE 1SS352-TPH3 | | R1114 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| | | < FERRITE BEAD > | | R1115 | 1-216-043-91 | RES-CHIP 560 5% 1/10W | |
| FB1101 | 1-414-813-11 | FERRITE 0UH | | R1116 | 1-216-121-91 | RES-CHIP 1M 5% 1/10W | |
| FB1102 | 1-469-152-11 | FERRITE 0UH | | R1117 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| FB1103 | 1-469-152-11 | FERRITE 0UH | | R1118 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| FB1104 | 1-469-152-11 | FERRITE 0UH | | R1119 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| FB1105 | 1-469-152-11 | FERRITE 0UH | | R1120 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| FB1106 | 1-469-152-11 | FERRITE 0UH | | R1201 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| FB1107 | 1-469-152-11 | FERRITE 0UH | | R1202 | 1-216-059-00 | METAL CHIP 2.7K 5% 1/10W | |
| FB1108 | 1-469-152-11 | FERRITE 0UH | | R1203 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| FB1201 | 1-414-813-11 | FERRITE 0UH | | R1204 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| FB1301 | 1-414-813-11 | FERRITE 0UH | | R1205 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| FB1302 | 1-414-813-11 | FERRITE 0UH | | R1206 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| FB1303 | 1-414-813-11 | FERRITE 0UH | | R1221 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| FB1304 | 1-414-813-11 | FERRITE 0UH | | R1222 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| FB1305 | 1-414-813-11 | FERRITE 0UH | | R1223 | 1-216-097-91 | RES-CHIP 100K 5% 1/10W | |
| | | < IC > | | R1251 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC1001 | 8-749-017-36 | IC TORX-179(DVD/LD OPTICAL IN) | | R1252 | 1-216-059-00 | METAL CHIP 2.7K 5% 1/10W | |
| IC1002 | 8-749-923-05 | IC TORX178A(TV/SAT OPTICAL IN) | (DE545,SE501) | R1253 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| IC1003 | 8-759-242-70 | IC TC7WU04F(Te12R) | | R1254 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC1004 | 8-759-639-35 | IC LC89055W-RA8 | | R1255 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC1005 | 8-759-242-70 | IC TC7WU04F(Te12R) | | R1256 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| IC1006 | 8-759-643-42 | IC CXD9511AQ | | R1257 | 1-216-065-91 | RES-CHIP 4.7K 5% 1/10W | |
| IC1007 | 8-759-342-94 | IC IDT71256SA20Y-TL | | R1258 | 1-216-065-91 | RES-CHIP 4.7K 5% 1/10W | |
| IC1008 | 8-759-657-47 | IC AK4527 | | R1301 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC1009 | 8-759-039-69 | IC uPC7805AHF | | R1302 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| IC1010 | 8-759-647-10 | IC uPC2933HF | | R1303 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| IC1011 | 8-759-039-69 | IC uPC7805AHF | | R1304 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| IC1013 | 8-759-039-69 | IC uPC7805AHF | | R1305 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| IC1201 | 8-759-099-06 | IC M5218AFP-TE1 | | R1306 | 1-216-081-00 | METAL CHIP 22K 5% 1/10W | |
| IC1251 | 8-759-099-06 | IC M5218AFP-TE1 | | R1307 | 1-216-115-00 | METAL CHIP 560K 5% 1/10W | |
| | | < JACK > | | R1308 | 1-216-115-00 | METAL CHIP 560K 5% 1/10W | |
| J1001 | 1-784-431-11 | JACK, PIN 1P(DVD/LD COAXIAL IN) | | R1309 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | < JUMPER RESISTOR > | | R1310 | 1-216-049-91 | RES-CHIP 1K 5% 1/10W | |
| JW1101 | 1-216-295-91 | SHORT 0 (DE445) | | R1311 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| | | < RESISTOR > | | R1312 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| R1001 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | | R1313 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R1314 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R1315 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R1316 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | R1317 | 1-216-025-91 | RES-CHIP 100 5% 1/10W | |
| | | | | | | < VIBRATOR > | |
| | | | | X1101 | 1-781-465-21 | VIBRATOR, CRYSTAL (12.288MHz) | |
| | | | | | | ***** | |

DISPLAY

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|--|------------|
| | A-4428-428-A | DISPLAY BOARD, COMPLETE (DE445:US) ***** | |
| | A-4428-438-A | DISPLAY BOARD, COMPLETE (DE545:US) ***** | |
| | A-4428-458-A | DISPLAY BOARD, COMPLETE (SE501) ***** | |
| | A-4428-464-A | DISPLAY BOARD, COMPLETE (DE445:CND) ***** | |
| | A-4428-466-A | DISPLAY BOARD, COMPLETE ***** (DE445:AEP,UK,CIS) | |
| | A-4428-468-A | DISPLAY BOARD, COMPLETE (DE545:CND) ***** | |
| | A-4428-471-A | DISPLAY BOARD, COMPLETE ***** (DE545:AEP,UK,CIS) | |
| | A-4428-479-A | DISPLAY BOARD, COMPLETE (DE545:TW,E,PX) ***** | |
| | A-4428-482-A | DISPLAY BOARD, COMPLETE (DE545:CH,SP,MY) ***** | |
| | A-4428-492-A | DISPLAY BOARD, COMPLETE (DE545:AUS) ***** | |
| * | 3-386-245-12 | HOLDER (FL) | |
| * | 4-921-941-01 | CUSHION (FL) | |
| < CAPACITOR > | | | |
| C011 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C100 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C101 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C102 | 1-104-905-11 | CAPACITOR 0.22F | 5.5V |
| C103 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C109 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C110 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C111 | 1-124-589-11 | ELECT 47uF | 20% 16V |
| C112 | 1-124-465-00 | ELECT 0.47uF | 20% 50V |
| C113 | 1-136-169-00 | MYLAR 0.22uF | 5.00% 50V |
| C114 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C115 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C116 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C117 | 1-124-261-00 | ELECT 10uF | 20% 50V |
| C119 | 1-124-261-00 | ELECT 10uF | 20% 50V |
| C120 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C121 | 1-128-809-11 | CERAMIC 100PF | 5% 50V |
| C122 | 1-128-809-11 | CERAMIC 100PF | 5% 50V |
| C123 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C124 | 1-128-809-11 | CERAMIC 100PF | 5% 50V |
| C125 | 1-162-306-11 | CERAMIC 0.01uF | 30.00% 16V |
| C126 | 1-162-306-11 | CERAMIC 0.01uF | 30.00% 16V |
| C127 | 1-162-306-11 | CERAMIC 0.01uF | 30.00% 16V |
| C128 | 1-162-306-11 | CERAMIC 0.01uF | 30.00% 16V |
| C129 | 1-124-261-00 | ELECT 10uF | 20% 50V |
| C130 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C131 | 1-124-261-00 | ELECT 10uF | 20% 50V |

| Ref. No. | Part No. | Description | Remark |
|------------------|--------------|---|--------|
| C132 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C134 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C198 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| C199 | 1-164-159-11 | CERAMIC 0.1uF | 50V |
| < CONNECTOR > | | | |
| CNP100 | 1-794-028-11 | BOARD TO BOARD PIN 4P | |
| * CNP102 | 1-564-705-11 | PIN, CONNECTOR (SMALL TYPE) 3P | |
| CNP103 | 1-794-001-11 | CONNECTOR 20P | |
| CNP104 | 1-794-002-11 | CONNECTOR 13P(EXCEPT AEP,UK,CIS) | |
| CNP104 | 1-794-003-11 | CONNECTOR 15P(AEP,UK,CIS) | |
| * CNP106 | 1-564-594-11 | PLUG, CONNECTOR 15P | |
| * CNP107 | 1-564-521-11 | PLUG, CONNECTOR 6P | |
| CNP110 | 1-794-028-11 | BOARD TO BOARD PIN 4P | |
| < CONNECTOR > | | | |
| * CNS101 | 1-568-449-11 | HOUSING, CONNECTOR(PC BOARD)3P | |
| * CNS105 | 1-695-808-11 | CONNECTOR, PC BOARD 8P | |
| < DIODE > | | | |
| D002 | 8-719-046-39 | DIODE SEL5821A-TP15(MODE) | |
| D003 | 8-719-046-39 | DIODE SEL5821A-TP15(2 CH) | |
| D004 | 8-719-046-39 | DIODE SEL5821A-TP15(A.F.D) | |
| D005 | 8-719-046-39 | DIODE SEL5821A-TP15(BASS/TREBLE) | |
| D006 | 8-719-046-39 | DIODE SEL5821A-TP15(JOG) | |
| D007 | 8-719-046-39 | DIODE SEL5821A-TP15(LEVEL) | |
| D008 | 8-719-046-39 | DIODE SEL5821A-TP15(SUR) | |
| D009 | 8-719-046-39 | DIODE SEL5821A-TP15(SET UP) | |
| D010 | 8-719-046-39 | DIODE SEL5821A-TP15(NAME) | |
| D011 | 8-719-072-82 | DIODE SELU5E20C-STP15(MULTICHANNEL DECODING) | |
| D012 | 8-719-313-50 | DIODE SEL6810A-TH12(BASS BOOST) | |
| D013 | 8-719-313-50 | DIODE SEL6810A-TH12(TONE) | |
| D014 | 8-719-046-37 | DIODE SEL5820A-TH8F(DIGITAL) | |
| D100 | 8-719-911-19 | DIODE 1SS133T-72 | |
| D101 | 8-719-911-19 | DIODE 1SS133T-72 | |
| D102 | 8-719-911-19 | DIODE 1SS133T-72 | |
| D103 | 8-719-911-19 | DIODE 1SS133T-72 | |
| D104 | 8-719-911-19 | DIODE 1SS133T-72(DE545,SE501) | |
| D109 | 8-719-911-19 | DIODE 1SS133T-72 | |
| D110 | 8-719-911-19 | DIODE 1SS133T-72 | |
| < FERRITE BEAD > | | | |
| FB100 | 1-412-473-31 | FERRITE 0UH | |
| < FILTER > | | | |
| FL101 | 1-517-929-11 | TUBE, FLUORESCENT INDICATOR | |
| < TERMINAL > | | | |
| * G791 | 1-537-738-21 | TERMINAL, EARTH | |
| < IC > | | | |
| IC101 | 8-759-332-18 | IC GP1U27XB(REMOTE SENSOR) | |
| IC102 | 8-759-656-88 | IC MB90553ABPF-G-158-BND | |
| IC103 | 8-759-463-11 | IC MSC1162AGS-BK | |

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|--|--------|--------|--|----------|--------------|-------------|--------|--------|------------------------------|
| | | < COIL > | | | | | | | | | |
| L101 | 1-408-117-00 | INDUCTOR 10uH | | | | R098 | 1-249-415-11 | CARBON 680 | 5% | 1/4W F | (DE445:US,CND) |
| | | < TRANSISTOR > | | | | R098 | 1-247-843-11 | CARBON 3.3K | 5% | 1/4W | (DE545:CH,SP,MY) |
| Q001 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R098 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | (DE545:TW,AEP,UK,CIS,E,PX) |
| Q002 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R098 | 1-249-433-11 | CARBON 22K | 5% | 1/4W | (DE545:AUS) |
| Q003 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | | | R098 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | (DE445:AEP,UK,CIS) |
| Q004 | 8-729-311-51 | TRANSISTOR 2SC1115 | | | | | | | | | |
| Q005 | 8-729-311-51 | TRANSISTOR 2SC1115 | | | | R099 | 1-249-431-11 | CARBON 15K | 5% | 1/4W | (DE445:US,CND) |
| Q006 | 8-729-311-51 | TRANSISTOR 2SC1115 | | | | R099 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | (DE545:CH,SP,MY) |
| Q007 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R099 | 1-247-843-11 | CARBON 3.3K | 5% | 1/4W | (DE545:TW,E,PX) |
| Q008 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R099 | 1-249-435-11 | CARBON 33K | 5% | 1/4W | (DE545:AEP,UK,CIS) |
| Q009 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R099 | 1-249-433-11 | CARBON 22K | 5% | 1/4W | (DE445:AEP,UK,CIS/DE545:AUS) |
| Q010 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | | | | | | |
| Q011 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R100 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| Q100 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | | | R101 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| Q101 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | | | R102 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| Q102 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE (DE545,SE501) | | | | R103 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| Q103 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | | | | R104 | 1-249-429-11 | CARBON 10K | 5% | 1/4W | (SE501) |
| Q104 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | | | | | | | | |
| | | < RESISTOR > | | | | | | | | | |
| R011 | 1-249-411-11 | CARBON 330 | 5% | 1/4W | | R105 | 1-249-417-11 | CARBON 1K | 5% | 1/4W F | |
| R012 | 1-249-413-11 | CARBON 470 | 5% | 1/4W F | | R106 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R013 | 1-249-415-11 | CARBON 680 | 5% | 1/4W F | | R107 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R014 | 1-249-417-11 | CARBON 1K | 5% | 1/4W F | | R108 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R015 | 1-249-419-11 | CARBON 1.5K | 5% | 1/4W F | | R109 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R016 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | | R110 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R021 | 1-249-411-11 | CARBON 330 | 5% | 1/4W | | R111 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | |
| R022 | 1-249-413-11 | CARBON 470 | 5% | 1/4W F | | R112 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | |
| R023 | 1-249-415-11 | CARBON 680 | 5% | 1/4W F | | R113 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | |
| R024 | 1-249-417-11 | CARBON 1K | 5% | 1/4W F | | R114 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | |
| R025 | 1-249-419-11 | CARBON 1.5K | 5% | 1/4W F | | R115 | 1-249-427-11 | CARBON 6.8K | 5% | 1/4W F | |
| R026 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | | R116 | 1-249-417-11 | CARBON 1K | 5% | 1/4W F | (AEP,UK,CIS) |
| R027 | 1-247-843-11 | CARBON 3.3K | 5% | 1/4W | | | | | | | |
| R028 | 1-249-425-11 | CARBON 4.7K | 5% | 1/4W F | | R117 | 1-249-437-11 | CARBON 47K | 5% | 1/4W | |
| R030 | 1-249-411-11 | CARBON 330 | 5% | 1/4W | | R118 | 1-249-429-11 | CARBON 10K | 5% | 1/4W | |
| R031 | 1-249-413-11 | CARBON 470 | 5% | 1/4W F | | R119 | 1-249-425-11 | CARBON 4.7K | 5% | 1/4W F | |
| R032 | 1-249-415-11 | CARBON 680 | 5% | 1/4W F | | | | | | | |
| R033 | 1-249-417-11 | CARBON 1K | 5% | 1/4W F | | R120 | 1-249-429-11 | CARBON 10K | 5% | 1/4W | |
| R034 | 1-249-419-11 | CARBON 1.5K | 5% | 1/4W F | | R121 | 1-247-899-11 | CARBON 680K | 5% | 1/4W | |
| R035 | 1-249-421-11 | CARBON 2.2K | 5% | 1/4W F | | R122 | 1-249-433-11 | CARBON 22K | 5% | 1/4W | |
| R036 | 1-247-843-11 | CARBON 3.3K | 5% | 1/4W | | R123 | 1-249-433-11 | CARBON 22K | 5% | 1/4W | |
| R037 | 1-249-425-11 | CARBON 4.7K | 5% | 1/4W F | | R124 | 1-249-433-11 | CARBON 22K | 5% | 1/4W | |
| R052 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | | | | | | |
| R053 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | R125 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R054 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | | R126 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R055 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | | R127 | 1-249-429-11 | CARBON 10K | 5% | 1/4W | |
| R056 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | | R128 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R057 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | | R129 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R058 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | | | | | | | |
| R061 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | R130 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R062 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | R131 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R063 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | R132 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R064 | 1-249-407-11 | CARBON 150 | 5% | 1/4W F | | R133 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| R065 | 1-249-441-11 | CARBON 100K | 5% | 1/4W | | R134 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| | | | | | | R135 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| | | | | | | R136 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |
| | | | | | | R137 | 1-247-807-31 | CARBON 100 | 5% | 1/4W | |

| | | | |
|----------------|------------------|------------|-------------|
| DISPLAY | HEADPHONE | JOG | MAIN |
|----------------|------------------|------------|-------------|

| Ref. No. | Part No. | Description | Remark |
|-----------------------|--------------|-----------------------------------|-------------------------|
| R138 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R139 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R140 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R141 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R142 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R143 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R144 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R145 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R146 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R147 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R148 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R149 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R150 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R151 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R152 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R153 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R154 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R161 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R162 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R163 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R164 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R165 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R175 | 1-249-393-11 | CARBON 10 5% | 1/4W F (DE545,SE501) |
| R176 | 1-249-429-11 | CARBON 10K 5% | 1/4W (DE545,SE501) |
| R177 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R178 | 1-249-429-11 | CARBON 10K 5% | 1/4W (DE445) |
| R179 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R187 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R188 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R189 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R198 | 1-249-385-11 | CARBON 2.2 5% | 1/6W F |
| R199 | 1-249-385-11 | CARBON 2.2 5% | 1/6W F |
| < VARIABLE RESISTOR > | | | |
| RV102 | 1-418-773-11 | ENCODER, ROTARY(MASTER VOLUME) | |
| < SWITCH > | | | |
| S110 | 1-771-410-21 | SWITCH, TACTILE(<) | |
| S111 | 1-771-410-21 | SWITCH, TACTILE(CHINEMA STUDIO C) | |
| S112 | 1-771-410-21 | SWITCH, TACTILE(SUR) | |
| S113 | 1-771-410-21 | SWITCH, TACTILE(ENTER) | |
| S114 | 1-771-410-21 | SWITCH, TACTILE(BASS/TREBLE) | |
| S115 | 1-771-410-21 | SWITCH, TACTILE(NAME) | |
| S116 | 1-771-410-21 | SWITCH, TACTILE(SET UP) | |
| S120 | 1-771-410-21 | SWITCH, TACTILE(>) | |
| S121 | 1-771-410-21 | SWITCH, TACTILE(CHINEMA STUDIO B) | |
| S122 | 1-771-410-21 | SWITCH, TACTILE(CHINEMA STUDIO A) | |
| S123 | 1-771-410-21 | SWITCH, TACTILE(AUX) | |
| S124 | 1-771-410-21 | SWITCH, TACTILE(DVD/LD) | |
| S125 | 1-771-410-21 | SWITCH, TACTILE(2 CH) | |
| S126 | 1-771-410-21 | SWITCH, TACTILE(MODE) | |
| S127 | 1-771-410-21 | SWITCH, TACTILE(TUNER) | |
| S128 | 1-771-410-21 | SWITCH, TACTILE(CD) | |
| S129 | 1-771-410-21 | SWITCH, TACTILE(DISPLAY) | |
| S130 | 1-771-410-21 | SWITCH, TACTILE(DIMMER) | |

| Ref. No. | Part No. | Description | Remark |
|-----------------------|-----------------|---|--------|
| S131 | 1-771-410-21 | SWITCH, TACTILE(A.F.D) | |
| S132 | 1-771-410-21 | SWITCH, TACTILE(INPUT MODE) | |
| S133 | 1-771-410-21 | SWITCH, TACTILE(5.1CH INPUT) | |
| S134 | 1-771-410-21 | SWITCH, TACTILE(LEVEL) | |
| S135 | 1-771-410-21 | SWITCH, TACTILE(TV/SAT) | |
| S136 | 1-771-410-21 | SWITCH, TACTILE(MD/TAPE) | |
| S137 | 1-771-410-21 | SWITCH, TACTILE(VIDEO) | |
| < VIBRATOR > | | | |
| X101 | 1-781-356-21 | VIBRATOR, CERAMIC (16MHz) | ***** |
| < CONNECTOR > | | | |
| CNP792 | 1-691-765-11 | PLUG (MICRO CONNECTOR) 3P | |
| < JACK > | | | |
| J791 | 1-750-733-11 | JACK (LARGE TYPE)(PHONES) (EXCEPT CH,TW,SP,MY) | |
| J791 | 1-750-735-11 | JACK (LARGE TYPE)(PHONES)(CH,TW,SP,MY) | ***** |
| < VARIABLE RESISTOR > | | | |
| RV101 | 1-418-817-11 | ENCODER (ROTARY)(JOG) | ***** |
| A-4428-423-A | | MAIN BOARD, COMPLETE (DE445:US) | ***** |
| A-4428-429-A | | MAIN BOARD, COMPLETE (DE545:US,SE501) | ***** |
| A-4428-463-A | | MAIN BOARD, COMPLETE (DE445:CND) | ***** |
| A-4428-465-A | | MAIN BOARD, COMPLETE (DE445:AEP,UK,CIS) | ***** |
| A-4428-467-A | | MAIN BOARD, COMPLETE (DE545:CND,E,PX) | ***** |
| A-4428-469-A | | MAIN BOARD, COMPLETE (DE545:AEP,UK,CIS) | ***** |
| A-4428-490-A | | MAIN BOARD, COMPLETE (DE545:CH,TW,SP,MY,AUS) | ***** |
| 7-685-646-79 | SCREW +BVTP 3X8 | TYPE2 IT-3 | |
| < CAPACITOR > | | | |
| C303 | 1-128-815-11 | CERAMIC 330PF 5% 50V (AEP,UK,CIS) | |
| C304 | 1-126-961-11 | ELECT 2.2uF 20.00% 50V (AEP,UK,CIS) | |
| C305 | 1-164-159-11 | CERAMIC 0.1uF 50V (AEP,UK,CIS) | |

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|-------------|----------|--------|---------------------|----------|--------------|-------------|----------|--------|------|
| C306 | 1-128-818-11 | CERAMIC | 560PF | 5% | 50V (AEP,UK,CIS) | C462 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V |
| C307 | 1-102-527-11 | CERAMIC | 82PF | 5.00% | 50V (AEP,UK,CIS) | C463 | 1-136-495-11 | MYLAR | 0.068uF | 5.00% | 50V |
| C308 | 1-102-852-91 | CERAMIC | 47PF | 5.00% | 50V (AEP,UK,CIS) | C464 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V |
| C309 | 1-124-261-00 | ELECT | 10uF | 20% | 50V (AEP,UK,CIS) | C465 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C310 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (AEP,UK,CIS) | C466 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V |
| C320 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C467 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V |
| C321 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C468 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C322 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C469 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C323 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V | C470 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C324 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V | C471 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C371 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C472 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C372 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C473 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C373 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C474 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C374 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C475 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C375 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C476 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C376 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C477 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C401 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C484 | 1-126-965-11 | ELECT | 22uF | 20.00% | 50V |
| C402 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C491 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C404 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C492 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C405 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C493 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C406 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C494 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C408 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C495 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C409 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C496 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C410 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C497 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C411 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C498 | 1-128-803-11 | CERAMIC | 33PF | 5% | 50V |
| C412 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V | C499 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C413 | 1-136-495-11 | MYLAR | 0.068uF | 5.00% | 50V | C501 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C414 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V | C502 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C416 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V | C503 | 1-102-989-00 | CERAMIC | 68PF | 5.00% | 500V |
| C417 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V | C504 | 1-102-989-00 | CERAMIC | 68PF | 5.00% | 500V |
| C418 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C505 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C419 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V | C506 | 1-107-583-11 | CERAMIC | 3PF | 0.25PF | 500V |
| C420 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C510 | 1-104-664-11 | ELECT | 47uF | 20.00% | 25V |
| C421 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C511 | 1-136-157-00 | MYLAR | 0.022uF | 5.00% | 50V |
| C425 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C520 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C428 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V | C524 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C429 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C526 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V |
| C430 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C601 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C431 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V | C603 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C432 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V | C604 | 1-107-583-11 | CERAMIC | 3PF | 0.25PF | 500V |
| C433 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V | C605 | 1-102-233-00 | CERAMIC | 33PF | 10.00% | 500V |
| C434 | 1-126-965-11 | ELECT | 22uF | 20.00% | 50V | C606 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C441 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C607 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C442 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C610 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| C451 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C611 | 1-136-157-00 | MYLAR | 0.022uF | 5.00% | 50V |
| C452 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C620 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C454 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C624 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C455 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C626 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V |
| C456 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C651 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C457 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C653 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C458 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C654 | 1-107-583-11 | CERAMIC | 3PF | 0.25PF | 500V |
| C459 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C655 | 1-102-233-00 | CERAMIC | 33PF | 10.00% | 500V |
| C460 | 1-124-261-00 | ELECT | 10uF | 20% | 50V | C656 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C461 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V | C657 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| | | | | | | C660 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| | | | | | | C661 | 1-136-157-00 | MYLAR | 0.022uF | 5.00% | 50V |
| | | | | | | C670 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| | | | | | | C701 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |

| Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|--------------|---------|--------|----------------------|
| C703 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C704 | 1-107-583-11 | CERAMIC | 3PF | 0.25PF | 500V |
| C705 | 1-102-233-00 | CERAMIC | 33PF | 10.00% | 500V |
| C706 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C707 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C710 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| C711 | 1-136-157-00 | MYLAR | 0.022uF | 5.00% | 50V |
| C720 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C721 | 1-126-934-11 | ELECT | 220uF | 20.00% | 10V |
| C722 | 1-124-261-00 | ELECT | 10uF | 20% | 50V |
| C724 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C726 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V |
| C734 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C736 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V |
| C740 | 1-128-582-11 | ELECT | 10uF | 20.00% | 100V |
| C741 | 1-128-582-11 | ELECT | 10uF | 20.00% | 100V |
| C751 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| C753 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C754 | 1-107-583-11 | CERAMIC | 3PF | 0.25PF | 500V |
| C755 | 1-102-233-00 | CERAMIC | 33PF | 10.00% | 500V |
| C756 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C757 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V |
| C760 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| C761 | 1-136-157-00 | MYLAR | 0.022uF | 5.00% | 50V |
| C770 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C801 | 1-126-947-11 | ELECT | 47uF | 20.00% | 35V |
| C802 | 1-126-947-11 | ELECT | 47uF | 20.00% | 35V |
| C803 | 1-109-932-11 | ELECT(BLOCK) | 10000uF | 20.00% | 71V (DE545,SE501) |
| C803 | 1-117-203-11 | ELECT(BLOCK) | 10000uF | 20.00% | 63V (DE445) |
| C804 | 1-109-932-11 | ELECT(BLOCK) | 10000uF | 20.00% | 71V (DE545,SE501) |
| C804 | 1-117-203-11 | ELECT(BLOCK) | 10000uF | 20.00% | 63V (DE445) |
| C805 | 1-125-956-11 | FILM | 0.22uF | 5.00% | 100V |
| C806 | 1-125-956-11 | FILM | 0.22uF | 5.00% | 100V |
| C807 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C808 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| C810 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C811 | 1-126-943-11 | ELECT | 2200uF | 20.00% | 25V |
| C812 | 1-126-941-11 | ELECT | 470uF | 20.00% | 25V |
| C813 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C814 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C815 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C816 | 1-104-664-11 | ELECT | 47uF | 20.00% | 25V |
| C817 | 1-126-936-11 | ELECT | 3300uF | 20.00% | 16V |
| C818 | 1-104-664-11 | ELECT | 47uF | 20.00% | 25V |
| C825 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C826 | 1-104-664-11 | ELECT | 47uF | 20.00% | 25V |
| C827 | 1-104-664-11 | ELECT | 47uF | 20.00% | 25V |
| C896 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| C897 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C898 | 1-126-948-11 | ELECT | 100uF | 20.00% | 35V |
| C899 | 1-126-948-11 | ELECT | 100uF | 20.00% | 35V |
| C920 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C921 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |

| Ref. No. | Part No. | Description | Remark | | |
|---------------|--------------|---------------------------|--------|-----|-----------------------------|
| < CAPACITOR > | | | | | |
| CC01 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC02 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC03 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC04 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC05 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC06 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC07 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC08 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC09 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC10 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC11 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC12 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT E,PX) |
| CC14 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT E,PX) |
| CC16 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT E,PX) |
| CC18 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT E,PX) |
| CC20 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT E,PX) |
| CC22 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT DE445,E,PX) |
| CC24 | 1-127-876-11 | CERAMIC | 0.01uF | 10% | 50V (EXCEPT DE445,E,PX) |
| CC51 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC52 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC53 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC54 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC55 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC56 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC57 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC58 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC59 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC60 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| CC61 | 1-128-809-11 | CERAMIC | 100PF | 5% | 50V (EXCEPT US,CND,E,PX) |
| < CONNECTOR > | | | | | |
| CNP301 | 1-794-003-11 | CONNECTOR 15P(AEP,UK,CIS) | | | |

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|----------------------------------|--------|----------|--------------|------------------------------|--------|
| CNP301 | 1-794-002-11 | CONNECTOR 13P(EXCEPT AEP,UK,CIS) | | | | < IC > | |
| CNP791 | 1-779-978-11 | PIN, CONNECTOR 3P | | IC201 | 8-759-655-38 | IC M61501FP | |
| * CNP801 | 1-564-104-00 | PIN, CONNECTOR (B3P-VH) 3P | | IC301 | 8-759-557-36 | IC BU1924F-E2(AEP,UK,CIS) | |
| CNP802 | 1-691-770-11 | PLUG (MICRO CONNECTOR) 8P | | IC401 | 8-759-636-74 | IC M5218AP-22 | |
| CNP911 | 1-691-773-11 | PLUG (MICRO CONNECTOR) 11P | | IC402 | 8-759-636-74 | IC M5218AP-22 | |
| | | < CONNECTOR > | | IC403 | 8-759-636-74 | IC M5218AP-22 | |
| CNS401 | 1-569-321-11 | SOCKET, CONNECTOR 15P | | IC404 | 8-759-636-74 | IC M5218AP-22 | |
| | | < DIODE > | | IC501 | 8-749-011-16 | IC STK350-230 | |
| D505 | 8-719-911-19 | DIODE 1SS133T-72 | | IC701 | 8-759-326-52 | IC uPC2581V | |
| D506 | 8-719-911-19 | DIODE 1SS133T-72 | | IC702 | 8-759-326-52 | IC uPC2581V | |
| D508 | 8-719-911-19 | DIODE 1SS133T-72 | | IC801 | 8-759-605-00 | IC M5F78M07L | |
| D510 | 8-719-911-19 | DIODE 1SS133T-72 | | IC802 | 8-759-604-95 | IC M5F79M07L | |
| D560 | 8-719-911-19 | DIODE 1SS133T-72 | | IC803 | 8-759-039-69 | IC uPC7805AHF | |
| D605 | 8-719-911-19 | DIODE 1SS133T-72 | | IC804 | 8-759-039-69 | IC uPC7805AHF | |
| D606 | 8-719-911-19 | DIODE 1SS133T-72 | | IC806 | 8-759-376-91 | IC uPC78M12AHF | |
| D607 | 8-719-911-19 | DIODE 1SS133T-72 | | IC807 | 8-759-708-05 | IC NJM78L05A-T3 | |
| D610 | 8-719-911-19 | DIODE 1SS133T-72 | | | | < JACK > | |
| D617 | 8-719-911-19 | DIODE 1SS133T-72 | | J253 | 1-774-843-11 | JACK, PIN 1P(SUB WOOFER OUT) | |
| D627 | 8-719-911-19 | DIODE 1SS133T-72 | | J401 | 1-770-614-11 | JACK, PIN 4P(AUX/CD IN) | |
| D691 | 8-719-911-19 | DIODE 1SS133T-72 | | J402 | 1-580-825-11 | JACK, PIN 6P(MD/TAPE,TV/SAT) | |
| D692 | 8-719-911-19 | DIODE 1SS133T-72 | | J403 | 1-580-825-11 | JACK, PIN 6P(DVD/LD,VIDEO) | |
| D706 | 8-719-911-19 | DIODE 1SS133T-72 | | J501 | 1-779-380-11 | JACK, PIN 6P(5.1CH INPUT) | |
| D710 | 8-719-911-19 | DIODE 1SS133T-72 | | | | < COIL > | |
| D721 | 8-719-911-19 | DIODE 1SS133T-72 | | L301 | 1-408-080-00 | INDUCTOR 100uH(AEP,UK,CIS) | |
| D722 | 8-719-911-19 | DIODE 1SS133T-72 | | L521 | 1-420-872-00 | COIL, AIR-CORE | |
| D725 | 8-719-911-19 | DIODE 1SS133T-72 | | L601 | 1-420-872-00 | COIL, AIR-CORE | |
| D726 | 8-719-911-19 | DIODE 1SS133T-72 | | L651 | 1-420-872-00 | COIL, AIR-CORE | |
| D727 | 8-719-911-19 | DIODE 1SS133T-72 | | L701 | 1-420-872-00 | COIL, AIR-CORE | |
| D728 | 8-719-911-19 | DIODE 1SS133T-72 | | L751 | 1-420-872-00 | COIL, AIR-COREORE | |
| D731 | 8-719-911-19 | DIODE 1SS133T-72 | | | | < TRANSISTOR > | |
| D732 | 8-719-911-19 | DIODE 1SS133T-72 | | Q361 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D734 | 8-719-911-19 | DIODE 1SS133T-72 | | Q362 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D735 | 8-719-911-19 | DIODE 1SS133T-72 | | Q363 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D736 | 8-719-911-19 | DIODE 1SS133T-72(DE545,SE501) | | Q364 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D740 | 8-719-911-19 | DIODE 1SS133T-72 | | Q365 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D757 | 8-719-911-19 | DIODE 1SS133T-72 | | Q366 | 8-729-823-22 | TRANSISTOR 2SC3576-AC | |
| D791 | 8-719-911-19 | DIODE 1SS133T-72 | | Q379 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | |
| D801 | 8-719-934-21 | DIODE HZS30-1LTA | | Q501 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | |
| D802 | 8-719-072-05 | DIODE RBV-602LF-A | | Q502 | 8-729-141-30 | TRANSISTOR 2SC3623ATP-LK | |
| D804 | 8-719-069-68 | DIODE RD5.6F-T7 | | Q503 | 8-749-010-25 | IC MN2488-OPY-M | |
| D820 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q504 | 8-749-010-26 | IC MP1620-OPY-M | |
| D821 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q505 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | |
| D822 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q506 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | |
| D823 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q507 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | |
| D824 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q509 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | |
| D825 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q550 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | |
| D826 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q560 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | |
| D827 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q601 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | |
| D833 | 8-719-043-76 | DIODE AK04V1 | | Q602 | 8-729-141-30 | TRANSISTOR 2SC3623ATP-LK | |
| D896 | 8-719-043-76 | DIODE AK04V1 | | Q603 | 8-749-010-25 | IC MN2488-OPY-M | |
| D898 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q604 | 8-749-010-26 | IC MP1620-OPY-M | |
| D899 | 8-719-024-99 | DIODE 11ES2-NTA2B | | Q605 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | |
| | | < TERMINAL > | | Q606 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | |
| * G401 | 1-537-738-21 | TERMINAL, EARTH | | Q610 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | |
| * G801 | 1-537-738-21 | TERMINAL, EARTH | | Q651 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | |

MAIN

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|--------------|--------------|--|---------------------|----------|--------------|----------------|--------|
| Q652 | 8-729-141-30 | TRANSISTOR 2SC3623ATP-LK | | R367 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q653 | 8-749-010-25 | IC MN2488-OPY-M | | R368 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q654 | 8-749-010-26 | IC MP1620-OPY-M | | R369 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q655 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R370 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q656 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R371 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q657 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R372 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q658 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | | R373 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q659 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R374 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q691 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | | R375 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q692 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | R376 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q693 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | | R377 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q694 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | R378 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| Q695 | 8-729-201-53 | TRANSISTOR 2SA1015TP-YGR | | R379 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q696 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R380 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| Q697 | 8-729-900-36 | TRANSISTOR BA1F4M-TP | | R381 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q701 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | | R401 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q702 | 8-729-141-30 | TRANSISTOR 2SC3623ATP-LK | | R402 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q703 | 8-749-010-25 | IC MN2488-OPY-M | | R403 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q704 | 8-749-010-26 | IC MP1620-OPY-M | | R404 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q705 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R405 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q706 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R406 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q707 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R407 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q708 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R408 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q709 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | | R409 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q722 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | R410 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q723 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | | R411 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| Q725 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R412 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q730 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | | R413 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q740 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK (DE545,SE501) | | R416 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q747 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R421 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q748 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R422 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q751 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | | R424 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q752 | 8-729-141-30 | TRANSISTOR 2SC3623ATP-LK | | R425 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q753 | 8-749-010-25 | IC MN2488-OPY-M | | R426 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q754 | 8-749-010-26 | IC MP1620-OPY-M | | R428 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q755 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R431 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q756 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | R432 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q757 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R433 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q758 | 8-729-281-53 | TRANSISTOR 2SC1815GR-TPE2 | | R434 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q759 | 8-729-900-63 | TRANSISTOR BN1F4M-TP | | R441 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q791 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | | R442 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q801 | 8-729-026-68 | TRANSISTOR 2SD2525(TP) | | R444 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| < RESISTOR > | | | | R445 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R305 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F (AEP,UK,CIS) | R446 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R306 | 1-247-807-31 | CARBON 100 5% | 1/4W (AEP,UK,CIS) | R447 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R307 | 1-247-807-31 | CARBON 100 5% | 1/4W (AEP,UK,CIS) | R451 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R326 | 1-249-436-11 | CARBON 39K 5% | 1/4W | R452 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R327 | 1-249-436-11 | CARBON 39K 5% | 1/4W | R453 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R328 | 1-249-433-11 | CARBON 22K 5% | 1/4W | R454 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R360 | 1-249-437-11 | CARBON 47K 5% | 1/4W | R455 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R361 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R456 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R362 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R457 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R363 | 1-249-437-11 | CARBON 47K 5% | 1/4W | R458 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R366 | 1-249-429-11 | CARBON 10K 5% | 1/4W | R459 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| | | | | R460 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| | | | | R461 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| | | | | R463 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| | | | | R464 | 1-249-437-11 | CARBON 47K 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|------------------------|------|----|---------------------|----------|--------------|------------------------|------|----|---------------------|
| R465 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R540 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R466 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R541 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R467 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R573 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R468 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R601 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R469 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | R602 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R470 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R603 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R471 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | (DE545,SE501) |
| R472 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R603 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R473 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | | | | | | (DE445) |
| R474 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R604 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R475 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R610 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R476 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R611 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R477 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R613 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F |
| R478 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R614 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F |
| R479 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R615 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F |
| R480 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | R616 | 1-234-182-11 | ENCAPSULATED COMPONENT | | | |
| R481 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R617 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R482 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | R618 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R483 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R620 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R484 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | R621 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W |
| R485 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | R622 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R486 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | R623 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R487 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R625 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R488 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R626 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R489 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R630 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R490 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R631 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R491 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R638 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| R492 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R651 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R499 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R652 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R501 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | R653 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R502 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | | | | | | (DE545,SE501) |
| R503 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | R653 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R503 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | | | | | | (DE445) |
| R504 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | R654 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R505 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | R660 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R507 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | R661 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R510 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | R663 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F |
| R511 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R664 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F |
| R513 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F | R665 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F |
| R514 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F | R666 | 1-234-182-11 | ENCAPSULATED COMPONENT | | | |
| R515 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W F | R667 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R516 | 1-234-182-11 | ENCAPSULATED COMPONENT | | | | R668 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R517 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | R670 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R520 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | R671 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W |
| R521 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | R672 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R522 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F | R674 | 1-247-866-11 | CARBON | 30K | 5% | 1/4W |
| R528 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F | R675 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W F |
| R529 | 1-247-866-11 | CARBON | 30K | 5% | 1/4W | | | | | | (AEP,UK,CIS) |
| R530 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | R675 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R531 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | | | | | | (EXCEPT AEP,UK,CIS) |
| R532 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | R676 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R533 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | R677 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R535 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | R678 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R539 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W F | R683 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| | | | | | (AEP,UK,CIS) | R684 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R539 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | R691 | 1-215-888-00 | METAL OXIDE | 220 | 5% | 2W |
| | | | | | (EXCEPT AEP,UK,CIS) | R692 | 1-215-885-00 | METAL OXIDE | 68 | 5% | 2W |
| | | | | | | R693 | 1-216-456-00 | METAL OXIDE | 820 | 5% | 2W |
| | | | | | | R694 | 1-216-456-00 | METAL OXIDE | 820 | 5% | 2W |

MAIN

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|------------------------|---------------------|----------|--------------|------------------------|---------------------|
| R696 | 1-249-405-11 | CARBON | 100 5% 1/4W F | R761 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R697 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R763 | 1-249-414-11 | CARBON | 560 5% 1/4W F |
| R698 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R764 | 1-249-408-11 | CARBON | 180 5% 1/4W F |
| R699 | 1-215-888-00 | METAL OXIDE | 220 5% 2W | R765 | 1-249-408-11 | CARBON | 180 5% 1/4W F |
| R701 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R766 | 1-234-182-11 | ENCAPSULATED COMPONENT | |
| R702 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R767 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R703 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R768 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| | | | (DE545,SE501) | R770 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R703 | 1-249-415-11 | CARBON | 680 5% 1/4W F | R771 | 1-247-850-11 | CARBON | 6.2K 5% 1/4W |
| | | | (DE445) | R772 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R704 | 1-249-439-11 | CARBON | 68K 5% 1/4W | | | | |
| R705 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R775 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F |
| | | | | | | | (AEP,UK,CIS) |
| R710 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | R775 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R711 | 1-249-440-11 | CARBON | 82K 5% 1/4W | | | | (EXCEPT AEP,UK,CIS) |
| R713 | 1-249-414-11 | CARBON | 560 5% 1/4W F | R776 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R714 | 1-249-408-11 | CARBON | 180 5% 1/4W F | R777 | 1-247-866-11 | CARBON | 30K 5% 1/4W |
| R715 | 1-249-408-11 | CARBON | 180 5% 1/4W F | R778 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| | | | | | | | |
| R716 | 1-234-182-11 | ENCAPSULATED COMPONENT | | R779 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R717 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R791 | 1-215-868-00 | METAL OXIDE | 680 5% 1W |
| R718 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F | R793 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R719 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R799 | 1-215-868-00 | METAL OXIDE | 680 5% 1W |
| R721 | 1-247-850-11 | CARBON | 6.2K 5% 1/4W | R800 | 1-249-400-11 | CARBON | 39 5% 1/4W F |
| | | | | | | | |
| R722 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F | R801 | 1-249-381-11 | CARBON | 1 5% 1/4W F |
| R723 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R802 | 1-249-381-11 | CARBON | 1 5% 1/4W F |
| R724 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R803 | 1-249-400-11 | CARBON | 39 5% 1/4W F |
| R727 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R804 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R730 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R805 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| | | | | | | | |
| R731 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | △ R810 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |
| R732 | 1-249-381-11 | CARBON | 1 5% 1/4W F | △ R811 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |
| R733 | 1-249-381-11 | CARBON | 1 5% 1/4W F | △ R812 | 1-243-635-91 | FUSIBLE | 0.33 5% 1/2W |
| R735 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | △ R813 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |
| R736 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | | | |
| | | | | | | | |
| R737 | 1-249-436-11 | CARBON | 39K 5% 1/4W | | | | |
| R738 | 1-247-881-00 | CARBON | 120K 5% 1/4W | | | | |
| R739 | 1-249-431-11 | CARBON | 15K 5% 1/4W | | | | |
| R740 | 1-247-866-11 | CARBON | 30K 5% 1/4W | | | | |
| R741 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | | | | |
| | | | (DE545,SE501) | | | | |
| | | | | | | | |
| R743 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R744 | 1-249-431-11 | CARBON | 15K 5% 1/4W | | | | |
| R745 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F | | | | |
| | | | (AEP,UK,CIS) | | | | |
| R745 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | | | | |
| | | | (EXCEPT AEP,UK,CIS) | | | | |
| R746 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| | | | | | | | |
| R747 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R748 | 1-249-437-11 | CARBON | 47K 5% 1/4W | | | | |
| R749 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | | | | |
| | | | (DE545,SE501) | | | | |
| R751 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | | | |
| R752 | 1-249-439-11 | CARBON | 68K 5% 1/4W | | | | |
| | | | | | | | |
| R753 | 1-249-413-11 | CARBON | 470 5% 1/4W F | | | | |
| | | | (DE545,SE501) | | | | |
| R753 | 1-249-415-11 | CARBON | 680 5% 1/4W F | | | | |
| | | | (DE445) | | | | |
| R754 | 1-249-439-11 | CARBON | 68K 5% 1/4W | | | | |
| R760 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | | | | |

| | | | |
|--------|--------------|---------|--------------|
| △ R810 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |
| △ R811 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |
| △ R812 | 1-243-635-91 | FUSIBLE | 0.33 5% 1/2W |
| △ R813 | 1-240-877-11 | FUSIBLE | 0.15 5% 1/2W |

< RESISTOR >

| | | | |
|-------|--------------|--------|---------------------|
| RR11 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT E,PX) |
| RR12 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT E,PX) |
| RR13 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT E,PX) |
| RR14 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT E,PX) |
| RR15 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT E,PX) |
| RR21 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT DE445,E,PX) |
| RR22 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| | | | (EXCEPT DE445,E,PX) |
| RR448 | 1-249-437-11 | CARBON | 47K 5% 1/4W |

< RELAY >

| | | |
|-------|--------------|--------------------------|
| RY550 | 1-755-170-11 | RELAY (12V) |
| RY560 | 1-755-267-11 | RELAY |
| RY601 | 1-755-170-11 | RELAY (12V) |
| RY730 | 1-755-170-11 | RELAY (12V) |
| RY740 | 1-755-170-11 | RELAY (12V)(DE545,SE501) |
| RY791 | 1-515-614-11 | RELAY |

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | Remark | | Ref. No. | Part No. | Description | Remark | |
|--------------|--------------|--|--------|--|----------|--------------|---|--------|--|
| | | < SWITCH > | | | | | < CONNECTOR > | | |
| S501 | 1-771-692-11 | SWITCH, SLIDE(IMPEDANCE SELECTOR) (DE545,SE501) | | | CNP901 | 1-564-321-00 | PIN, CONNECTOR 2P | | |
| | | < TERMINAL > | | | * CNP902 | 1-565-792-11 | PIN, CONNECTOR 2P | | |
| TM601 | 1-537-923-11 | TERMINAL BOARD (SPEAKER) (6P) (REAR,CENTER) | | | CNP906 | 1-568-106-11 | PIN, CONNECTOR 4P(E,PX) | | |
| TM602 | 1-694-652-11 | TERMINAL BOARD (SP)(FRONT)(DE545,SE501) | | | CNP912 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | | |
| TM602 | 1-537-925-61 | TERMINAL BOARD(FRONT)(DE445) | | | | | < DIODE > | | |
| | | < VIBRATOR > | | | D901 | 8-719-911-19 | DIODE 1SS133T-72 | | |
| X301 | 1-579-900-21 | VIBRATOR, CRYSTAL 4.33MHz(AEP,UK,CIS) | | | D910 | 8-719-024-99 | DIODE 11ES2-NTA2B | | |
| ***** | | | | | D911 | 8-719-024-99 | DIODE 11ES2-NTA2B | | |
| | 1-676-784-11 | POWER SWITCH BOARD | | | D912 | 8-719-024-99 | DIODE 11ES2-NTA2B | | |
| | | ***** | | | D913 | 8-719-024-99 | DIODE 11ES2-NTA2B | | |
| | | < CONNECTOR > | | | | | < FUSE > | | |
| CNS100 | 1-573-105-11 | CONNECTOR, PC BOARD 4P | | | △ F901 | 1-532-504-31 | FUSE T4AL 250V(EXCEPT US,CND,TW) | | |
| | | < SWITCH > | | | △ F901 | 1-576-193-11 | FUSE 6.3A/125V(US,CND,TW) | | |
| S150 | 1-771-410-21 | SWITCH, TACTILE(Ⅱ/㇏) | | | △ F902 | 1-532-464-31 | FUSE T2.5AL 250V(EXCEPT US,CND,TW,E,PX) | | |
| S151 | 1-771-854-11 | SWITCH, PUSH (1 KEY)(SPEAKER A) | | | | | < TERMINAL > | | |
| S152 | 1-771-854-11 | SWITCH, PUSH (1 KEY)(SPEAKER B) (DE545,SE501) | | | * G901 | 1-537-738-21 | TERMINAL, EARTH | | |
| ***** | | | | | | | < IC > | | |
| | A-4428-435-A | STBY BOARD, COMPLETE (US,CND) | | | IC950 | 8-759-333-83 | IC NJM2103D | | |
| | | ***** | | | | | < JACK > | | |
| | A-4428-478-A | STBY BOARD, COMPLETE (E,PX) | | | △ J911 | 1-785-285-11 | OUTLET, AC (1P)(AC OUTLET) (DE545:AEP,UK,CIS,SP,MY) | | |
| | | ***** | | | △ J911 | 1-251-417-11 | OUTLET, A.C.(AC OUTLET)(DE545:AUS) | | |
| | A-4428-481-A | STBY BOARD, COMPLETE (AEP,UK,CIS,SP,MY) | | | △ J911 | 1-785-834-11 | OUTLET (1P)(AC OUTLET) (DE545:US,CND,CH,TW,E,PX,SE501) | | |
| | | ***** | | | | | < TRANSISTOR > | | |
| | A-4428-491-A | STBY BOARD, COMPLETE (AUS) | | | Q901 | 8-729-119-79 | TRANSISTOR 2SC2785TP-FEK | | |
| | | ***** | | | Q951 | 8-729-045-21 | TRANSISTOR 2SD1513TP-LK | | |
| | A-4428-497-A | STBY BOARD, COMPLETE (CH) | | | | | < RESISTOR > | | |
| | | ***** | | | R901 | 1-202-725-00 | SOLID 3.3M 10% 1/2W (US,CND) | | |
| | A-4473-334-A | STBY BOARD, COMPLETE (TW) | | | R902 | 1-249-437-11 | CARBON 47K 5% 1/4W | | |
| | | ***** | | | R903 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | | |
| 1-533-293-11 | FUSE HOLDER | | | | R950 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | | |
| 1-533-223-11 | HOLDER, FUSE | | | | R951 | 1-249-428-11 | CARBON 8.2K 5% 1/4W F | | |
| | | < CAPACITOR > | | | R952 | 1-249-422-11 | CARBON 2.7K 5% 1/4W F | | |
| C922 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | R953 | 1-249-433-11 | CARBON 22K 5% 1/4W | | |
| C923 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | R954 | 1-249-437-11 | CARBON 47K 5% 1/4W | | |
| C950 | 1-126-936-11 | ELECT 3300uF 20.00% 16V | | | R955 | 1-249-429-11 | CARBON 10K 5% 1/4W | | |
| C951 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | R956 | 1-247-843-11 | CARBON 3.3K 5% 1/4W | | |
| C952 | 1-126-960-11 | ELECT 1uF 20.00% 50V | | | R957 | 1-249-417-11 | CARBON 1K 5% 1/4W F | | |
| C953 | 1-126-957-11 | ELECT 0.22uF 20.00% 50V | | | R960 | 1-249-431-11 | CARBON 15K 5% 1/4W | | |
| C954 | 1-126-964-11 | ELECT 10uF 20.00% 50V | | | | | < RELAY > | | |
| C955 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | RY901 | 1-755-298-11 | RELAY | | |
| C957 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | | | | | |
| C958 | 1-164-159-11 | CERAMIC 0.1uF 50V | | | | | | | |

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以阴影和 △标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

STBY

S-VIDEO

TUNER

VIDEO

| Ref. No. | Part No. | Description | Remark | | |
|-----------------|--------------|---|---------------|--------|-----------------------|
| < TRANSFORMER > | | | | | |
| △ T902 | 1-435-435-11 | TRANSFORMER, POWER (CH,AEP,UK,CIS,SP,MY,AUS) | | | |
| △ T902 | 1-435-563-11 | TRANSFORMER, POWER(TW) | | | |
| △ T902 | 1-435-434-11 | TRANSFORMER, POWER(E,PX) | | | |
| △ T902 | 1-435-436-11 | TRANSFORMER, POWER (DE445/DE545:US,CND,AEP,UK,CIS,SP,MY,SE501) | | | |
| ***** | | | | | |
| | 1-676-782-11 | S-VIDEO BOARD (DE545,SE501) | | | |
| ***** | | | | | |
| < CAPACITOR > | | | | | |
| C1501 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V (DE545,SE501) |
| C1502 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (DE545,SE501) |
| C1503 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V (DE545,SE501) |
| C1504 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V (DE545,SE501) |
| C1505 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V (DE545,SE501) |
| C1506 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V (DE545,SE501) |
| C1507 | 1-128-817-11 | CERAMIC | 470PF | 5% | 50V (DE545,SE501) |
| C1508 | 1-128-817-11 | CERAMIC | 470PF | 5% | 50V (DE545,SE501) |
| < CONNECTOR > | | | | | |
| CNS200 | 1-569-315-11 | SOCKET, CONNECTOR 5P | (DE545,SE501) | | |
| < IC > | | | | | |
| IC1016 | 8-759-333-84 | IC NJM2279D | (DE545,SE501) | | |
| < JACK > | | | | | |
| J1002 | 1-537-943-11 | TERMINAL, S(MONITOR S VIDEO OUT) | (DE545,SE501) | | |
| J1003 | 1-537-943-11 | TERMINAL, S(DVD/LD S VIDEO IN) | (DE545,SE501) | | |
| < RESISTOR > | | | | | |
| R1502 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W (DE545,SE501) |
| R1503 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W (DE545,SE501) |
| R1504 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W (DE545,SE501) |
| R1505 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W (DE545,SE501) |
| ***** | | | | | |

| Ref. No. | Part No. | Description | Remark | | |
|----------|--------------|--------------------------------------|--------|----|-------------------|
| | 1-676-785-11 | TUNER SWITCH BOARD | | | |
| | | ***** | | | |
| | | < CONNECTOR > | | | |
| CNS110 | 1-573-105-11 | CONNECTOR, PC BOARD 4P | | | |
| | | < DIODE > | | | |
| D001 | 8-719-046-39 | DIODE SEL5821A-TP15(MUTING) | | | |
| | | < RESISTOR > | | | |
| R001 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R002 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F |
| R003 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F |
| R004 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R005 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W F |
| R006 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R007 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R008 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R009 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W (AEP,UK,CIS) |
| R017 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W (AEP,UK,CIS) |
| R018 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R019 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R051 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| | | < SWITCH > | | | |
| S100 | 1-771-410-21 | SWITCH, TACTILE(SHIFT) | | | |
| S101 | 1-771-410-21 | SWITCH, TACTILE(BASS BOOST) | | | |
| S102 | 1-771-410-21 | SWITCH, TACTILE(MUTING) | | | |
| S103 | 1-771-410-21 | SWITCH, TACTILE(FM MODE) | | | |
| S104 | 1-771-410-21 | SWITCH, TACTILE(PRESET +) | | | |
| S105 | 1-771-410-21 | SWITCH, TACTILE(TUNING -) | | | |
| S106 | 1-771-410-21 | SWITCH, TACTILE(MEMORY) | | | |
| S107 | 1-771-410-21 | SWITCH, TACTILE(TONE) | | | |
| S108 | 1-771-410-21 | SWITCH, TACTILE(PHY)(AEP,UK,CIS) | | | |
| S109 | 1-771-410-21 | SWITCH, TACTILE(RDS EON)(AEP,UK,CIS) | | | |
| S117 | 1-771-410-21 | SWITCH, TACTILE(PRESET -) | | | |
| S118 | 1-771-410-21 | SWITCH, TACTILE(TUNING +) | | | |
| S119 | 1-771-410-21 | SWITCH, TACTILE(AM/FM) | | | |

| | | | | | |
|---------------|--------------|-------------|-------|--------|-----|
| 1-676-781-11 | | VIDEO BOARD | | | |
| ***** | | | | | |
| < CAPACITOR > | | | | | |
| C1602 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C1603 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V |
| C1604 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C1605 | 1-128-805-11 | CERAMIC | 47PF | 5% | 50V |
| C1606 | 1-128-805-11 | CERAMIC | 47PF | 5% | 50V |
| C1607 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C1608 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C1609 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| C1610 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| (DE545,SE501) | | | | | |

| | | |
|--|--|---|
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|--|--|---|

| Ref. No. | Part No. | Description | Remark | | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------------------|--------|------------|----------|--------------|---|--------|
| C1611 | 1-126-965-11 | ELECT | 22uF | 20.00% 50V | | | MISCELLANEOUS | |
| C1612 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | | | ***** | |
| | | < CONNECTOR > | | | | | | |
| CNS107 | 1-691-768-11 | PLUG (MICRO CONNECTOR) 6P | | | △ 59 | 1-696-847-11 | CORD, POWER(AUS) | |
| * CNS500 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | △ 59 | 1-777-070-21 | CORD, POWER(CND) | |
| | | < CONNECTOR > | | | △ 59 | 1-777-071-21 | CORD, POWER(AEP,UK,CIS,SP,MY,E,PX) | |
| | | < DIODE > | | | △ 59 | 1-783-205-11 | CORD, POWER(CH) | |
| | | < DIODE > | | | △ 59 | 1-783-820-11 | CORD, POWER(TW,US) | |
| CNP201 | 1-569-315-11 | SOCKET, CONNECTOR 5P(DE545,SE501) | | | 63 | 1-769-840-11 | WIRE (FLAT TYPE) (5 CORE)(DE545,SE501) | |
| | | < DIODE > | | | 66 | 1-693-407-41 | TUNER(TW,US,CND,E,PX) | |
| D1001 | 8-719-921-48 | DIODE MTZJ-T-72-5.6C(DE545,SE501) | | | 66 | 1-693-408-41 | TUNER(CH,AEP,UK,CIS,SP,MY,AUS) | |
| | | < IC > | | | 67 | 1-773-001-11 | WIRE (FLAT TYPE) (15 CORE) | |
| IC1014 | 8-759-701-65 | IC NJM79M05FA | | | △ 68 | 1-569-008-21 | ADAPTOR, CONVERSION 2P(E,PX) | |
| IC1015 | 8-759-333-84 | IC NJM2279D | | | 70 | 1-500-386-11 | FILTER, CLAMP (FERRITE CORE) | |
| | | < JACK > | | | FL101 | 1-517-929-11 | TUBE, FLUORESCENT INDICATOR | |
| J1004 | 1-695-317-11 | JACK, PIN 2P(VIDEO IN,MONITOR OUT) | | | △ T901 | 1-435-306-11 | TRANSFORMER, POWER(DE545:US) | |
| J1006 | 1-766-199-11 | JACK, PIN 3P(TV/SAT,DVD/LD,VIDEO OUT) | | | △ T901 | 1-435-306-21 | TRANSFORMER, POWER(SE501) | |
| J1007 | 1-563-330-11 | JACK(CTRL A1 II)(DE545,SE501) | | | △ T901 | 1-435-307-11 | TRANSFORMER, POWER(DE545:CND) | |
| | | < RESISTOR > | | | △ T901 | 1-435-308-11 | TRANSFORMER, POWER(DE545:AUS) | |
| R1601 | 1-247-804-11 | CARBON | 75 | 5% 1/4W | △ T901 | 1-435-309-11 | TRANSFORMER, POWER (DE545:CH,AEP,UK,CIS,SP,MY) | |
| R1602 | 1-247-804-11 | CARBON | 75 | 5% 1/4W | △ T901 | 1-435-310-11 | TRANSFORMER, POWER(DE545:E,PX) | |
| R1603 | 1-247-804-11 | CARBON | 75 | 5% 1/4W | △ T901 | 1-435-312-11 | TRANSFORMER, POWER(DE445:CND) | |
| R1604 | 1-247-804-11 | CARBON | 75 | 5% 1/4W | △ T901 | 1-435-313-11 | TRANSFORMER, POWER(DE445:US) | |
| R1605 | 1-247-804-11 | CARBON | 75 | 5% 1/4W | △ T901 | 1-435-314-11 | TRANSFORMER, POWER(DE445:AEP,UK,CIS) | |
| ***** | | | | | △ T901 | 1-435-562-11 | TRANSFORMER, POWER(DE545:TW) | |
| ***** | | | | | ***** | | | |

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ***** | |
| | 1-418-833-11 | REMOTE COMMANDER(RM-U304)(DE445) | |
| | 1-501-374-11 | ANTENNA, LOOP | |
| | 1-501-594-11 | ANTENNA (FM) | |
| | | (DE545:CH,AEP,UK,CIS,SP,MY,AUS) | |
| | 1-793-184-21 | CONNECTOR (F TYPE ADAPTOR) | |
| | | (TW,US,CND,E,PX,SE501) | |
| | 3-866-670-11 | MANUAL, COMMONNESS INSTRUCTION | |
| | | (ENGLISH)(DE445:US,DE545:TW,AUS,SE501) | |
| | 3-866-670-21 | MANUAL, COMMONNESS INSTRUCTION | |
| | | (ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH) | |
| | | (CND,AEP,UK,CIS,SP,MY,E,PX) | |
| | 3-866-670-31 | MANUAL, COMMONNESS INSTRUCTION | |
| | | (DANISH,FINNISH,SWEDISH)(CIS) | |
| | 3-866-670-41 | MANUAL, COMMONNESS INSTRUCTION | |
| | | (ENGLISH,ARABIC,CHINESE)(CH) | |
| | 3-866-670-51 | MANUAL, COMMONNESS INSTRUCTION | |
| | | (ENGLISH,POLISH,RUSSIAN)(CIS) | |
| | 4-227-692-11 | MANUAL, INSTRUCTION(RM-PP404)(ENGLISH) | |
| | | (EXCEPT DE445,DE545:CIS) | |
| | 4-227-692-21 | MANUAL, INSTRUCTION(RM-PP404) | |
| | | (FRENCH,SPANISH)(DE545:CND,AEP,UK,E,PX) | |
| | 4-227-692-31 | MANUAL, INSTRUCTION(RM-PP404)(CHINESE) | |
| | | (DE545:CH,TW,SP,MY,E,PX) | |
| | 4-227-692-41 | MANUAL, INSTRUCTION(RM-PP404) | |
| | | (ENGLISH,POLISH,RUSSIAN)(DE545:CIS) | |
| | 4-227-692-61 | MANUAL, INSTRUCTION(RM-PP404) | |
| | | (DUTCH,SWEDISH,GERMAN,ITALISH,POTUGUESE) | |
| | | (DE545:AEP,UK) | |
| | 4-227-692-71 | MANUAL, INSTRUCTION(RM-PP404) | |
| | | (GREEK,TURKISH)(DE545:CIS) | |
| | 4-227-987-11 | INSTRUCTION MANUAL(ENGLISH)(US) | |
| | 4-227-987-21 | INSTRUCTION MANUAL | |
| | | (ENGLISH,FRENCH,SPANISH,CHINESE) | |
| | | (CND,SP,MY,E,PX,AUS) | |
| | 4-227-987-31 | INSTRUCTION MANUAL | |
| | | (ENGLISH,CHINESE)(CH,TW) | |
| | 4-227-987-41 | INSTRUCTION MANUAL | |
| | | (ENGLISH,FRENCH,DUTCH,SWEDISH)(AEP,UK) | |
| | 4-227-987-51 | INSTRUCTION MANUAL | |
| | | (GERMAN,SPANISH,ITALIAN,POTUGUESE)(AEP,UK) | |
| | 4-227-987-61 | INSTRUCTION MANUAL | |
| | | (DANISH,FINNISH)(AEP,UK) | |
| | 4-227-987-71 | INSTRUCTION MANUAL | |
| | | (ENGLISH,RUSSIAN,POLISH)(CIS) | |
| | 4-227-987-81 | INSTRUCTION MANUAL(GREEK,TURKISH)(CIS) | |
| | 4-228-696-01 | COVER, BATTERY(FOR RM-U304)(DE445) | |
| | 4-978-977-01 | COVER, BATTERY(FOR RM-PP404) | |
| | | (DE545,SE501) | |
| | 8-917-423-90 | REMOTE COMMANDER RM-PP404 SET | |
| | | (DE545,SE501) | |
| | | ***** | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------|-------------|
| | | ***** | |
| | | HARDWARE LIST | |
| | | ***** | |
| #1 | 7-685-646-79 | SCREW +BVTP 3X8 | TYPE2 IT-3 |
| #2 | 7-685-646-91 | SCREW +BVTP 3X8 | TYPE2 TT(B) |
| #3 | 7-685-645-79 | SCREW +BVTP 3X6 | TYPE2 N-S |
| #4 | 7-685-881-09 | SCREW +BVTT 4X8 | (S) |