## SERVICE MANUAL

Ver 1.0 2002, 07

SONY-10071

US Model Canadian Model STR-DA4ES/DA7ES

> AEP Model E Model STR-VA333ES

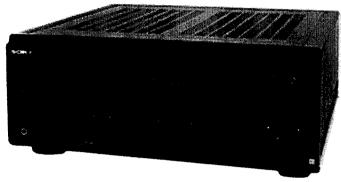


Photo: STR-VA333ES

This receiver incorporates Dolby\* Digital and Pro Logic Surround and the DTS\*\* Digital Surround System.

- \* Manufactured under license from Dolby Laboratories.
- "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

\*\* "DTS", "DTS-ES Extended Surround" and "Neo: 6" are trademarks of Digital Theater Systems, Inc.

#### **SPECIFICATIONS**

#### STR-DA4ES/DA7ES **AUDIO POWER SPECIFICATIONS**

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated DA4ES: 110, DA7ES: 120 watts per channel minimum RMS power, with no more than 0.05 % total harmonic distortion from 250 milliwatts to rated output.

#### **AMPLIFIER SECTION POWER OUTPUT**

#### **Rated Power Output at Stereo Mode**

(8 ohms 20 Hz - 20 kHz, THD 0.05 %)

STR-DA7ES:

120 W + 120 W

STR-DA4ES:

110 W + 110 W

STR-DA7ES:

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)

STR-DA4ES:

100 W + 100 W90 W + 90 W

#### **Reference Power Output**

(8 ohms 20 Hz - 20 kHz, THD 0.05 %)

STR-DA7ES:

STR-DA4ES:

FRONT 1): 120 W + 120 W

CENTER 11: 120 W

SURR 1): 120 W + 120 W

SURR BACK 1): 120 W + 120 W

FRONT 1: 110 W + 110 W

CENTER 1): 110 W

SURR 1): 110 W + 110 W

SURR BACK 1): 110 W + 110 W

(4 ohms 20 Hz - 20 kHz, THD 0.09 %)

STR-DA7ES:

FRONT 1): 100 W + 100 W

CENTER 1): 100 W

SURR 1): 100 W + 100 W

SURR BACK 1): 100 W + 100 W

STR-DA4ES: FRONT 1): 90 W + 90 W

source, there may be no sound output.

CENTER 1): 90 W

SURR 1): 90 W + 90 W

SURR BACK 1): 90 W + 90 W

1) Depending on the sound field settings and the

- Continued on next page -

## FM STEREO FM-AM RECE IVER

9-874-082-01

**Sony Corporation** 

2002G0400-1 © 2002. 07

**Home Audio Company** 

**Published by Sony Engineering Corporation** 

SONY

#### STR-DA4ES/DA7ES/VA333ES

PHONO	RIAA equalization curve ±0.5 dB
CD/SACD, TAPE,	10 Hz – 100 kHz
MD/DAT, TV/SAT,	+0.5/-2 dB (with sound
DVD/LD, VIDEO 1, 2,	field, equalizer, and bass
3	boost bypassed)
Inputs (Analog)	
PHONO	Sensitivity: 2.5 mV
	Impedance: 50 kilohms
	$S/N^{(2)}$ : 86 dB (A, 2.5 mV <sup>3)</sup> )
MULTI CHANNEL	Sensitivity: 150 mV
IN 1, 2, CD/SACD,	Impedance: 50 kilohms
TAPE, MD/DAT,	S/N <sup>2)</sup> : 100 dB
DVD/LD, TV/SAT,	$(A, 150 \text{ mV}^{3})$
VIDEO 1, 2, 3	
2) INPUT SHORT.	
3) Weighted network, input level.	
Inputs (Digital)	
	Concitivity
CD/SACD, DVD/LD	Sensitivity: —
(Coaxial)	Impedance: 75 ohms
	S/N: 100 dB

CD/SACD, DVD/LD	Sensitivity: -
(Coaxial)	Impedance: 75 ohms
	S/N: 100 dB
	(A, 20 kHz LPF)
CD/SACD, DVD/LD,	Sensitivity: -
TV/SAT,	Impedance: –
MD/DAT (Optical)	S/N: 100 dB
•	(A, 20 kHz LPF)

Outputs	
TAPE, MD/DAT	Voltage: 150 mV
(REC OUT), VIDEO	Impedance: 10 kilohms
1, 2 (AUDIO OUT)	
FRONT L/R,	Voltage: 2 V
CENTER,	Impedance: 1 kilohms
SURROUND L/R,	•
SURROUND BACK L/R,	
SUB WOOFER	

E	Q
_	_

BASS: 99 Hz~1.0 kHz (21 steps)

MID (FRONT L/R, CENTER only):

198 Hz~10 kHz

(36 steps)

TREBLE: 1.0 kHz~10 kHz

(23 steps)

Gain levels:  $\pm 10 \text{ dB}, 0.5 \text{ dB step}$ 

#### **FM TUNER SECTION**

**Tuning range** 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced

Sensitivity

Mono: 18.3 dBf, 2.2  $\mu$ V/75 ohms Stereo: 38.3 dBf, 22.5  $\mu$ V/75 ohms **Usable sensitivity** 11.2 dBf, 1  $\mu$ V/75 ohms

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

#### **AM TUNER SECTION**

**Tuning range** 

With 10-kHz tuning scale: 530 – 1710 kHz <sup>4)</sup>
With 9-kHz tuning scale: 531 – 1710 kHz <sup>4)</sup>

Antenna Loop antenna

Usable sensitivity 50 dB/m (at 1,000 kHz or

999 kHz)

Harmonic distortion 0.5 % (50 mV/m,

400 kHz)

Selectivity

At 9 kHz: 35 dB At 10 kHz: 40 dB

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

#### **VIDEO SECTION**

#### Inputs/Output

 Video:
 1 Vp-p, 75 ohms

 S-video:
 Y: 1 Vp-p, 75 ohms

 C: 0.286 Vp-p, 75 ohms

COMPONENT VIDEO: Y: 1 Vp-p, 75 ohms

Y: 1 Vp-p, 75 ohms B-Y: 0.7 Vp-p, 75 ohms R-Y: 0.7 Vp-p, 75 ohms

#### **REMOTE CONTROL RM-US105A** (STR-DA7ES only)

Remote control system Infrared control

**Power requirements** 

3 V DC with two R6 (size-AA) batteries

Dimensions

 $210 \times 45 \times 25 \text{ mm}$ 

Mass (approx.)

95 g excluding batteries

**GENERAL** 

**Power requirements** 

120 V AC, 60 Hz

**Power consumption** 

Models of area code U

STR-DA7ES:

450 W

STR-DA4ES:

420 W

Models of area code CA

STR-DA7ES:

490 VA

STR-DA4ES:

470 VA

#### Power consumption (during standby mode)

**AC outlets** 

2 switched, 120 W/1A

 $430 \times 174 \times 465 \text{ mm}$ **Dimensions** 

including projecting parts

and controls

Mass (Approx.)

STR-DA7ES:

21.0 kg

STR-DA4ES: 21.0 kg

#### Supplied accessories

FM wire antenna (1)

AM loop antenna (1)

Audio/video/control S cord (1)

Control S cord (mini jack) (1)

STR-DA7ES only;

Remote commander RM-TP1 (1)

Base unit RMB-TP1 (1 for RM-TP1)

AC adapter (1 for RM-TP1)

Remote commander RM-US105A (1)

R6 (size-AA) batteries (2)

STR-DA4ES only;

Remote commander RM-LP211 (1)

LR6 (size-AA) batteries (3)

Design and specifications are subject to change without notice.

#### STR-VA333ES **AMPLIFIER SECTION**

Models of area code TW:

**Power Output** 

(8 ohms 20 Hz - 20 kHz, THD 0.05 %)

100 W + 100 W

(4 ohms 20 Hz – 20 kHz, THD 0.09 %)

90 W + 90 W

**Reference Power Output** 

(8 ohms 20 Hz - 20 kHz, THD 0.05 %)

FRONT<sup>1)</sup>: 100 W + 100 W CENTER1): 100 W SURR11: 100 W + 100 W SURR BACK1): 100 W + 100 W

(4 ohms 20 Hz - 20 kHz, THD 0.09 %)

FRONT1): 90 W + 90 W CENTER1): 90 W SURR1): 90 W + 90 W SURR BACK<sup>1)</sup>: 90 W + 90 W

1) Depending on the sound field settings and the source, there may be no sound output.

#### Models of area code CEL, KR: **Power Output**

(8 ohms 1 kHz, THD 0.7 %)

 $100 \text{ W} + 100 \text{ W}^{2)}$ 

 $90 W + 90 W^{3)}$ 

(4 ohms 1 kHz, THD 0.7 %)

 $90 \text{ W} + 90 \text{ W}^{2)}$  $80 \text{ W} + 80 \text{ W}^{3)}$ 

**Reference Power Output** 

(8 ohms 1 kHz, THD 0.7 %) FRONT<sup>4)</sup>: 100 W + 100 W

CENTER4): 100 W SURR4): 100 W + 100 W SURR BACK4): 100 W + 100 W

(4 ohms 1 kHz, THD 0.7 %)

FRONT<sup>4)</sup>: 90 W + 90 W CENTER4): 90 W SURR4): 90 W + 90 W SURR BACK4): 90 W + 90 W

(8 ohms 20 Hz – 20 kHz, THD 0.05 %)

FRONT<sup>4)</sup>: 90 W + 90 W CENTER4): 90 W SURR4): 90 W + 90 W SURR BACK41: 90 W + 90 W

(4 ohms 20 Hz - 20 kHz, THD 0.05 %)

FRONT4): 80 W + 80 W CENTER4): 80 W  $SURR^{4}$ : 80 W + 80 W SURR BACK4): 80 W + 80 W

2) Measured under the following conditions: Models of area code CEL: 230 V AC, 50 Hz

3) Measured under the following conditions: Models of area code KR: 220 V AC, 60 Hz

4) Depending on the sound field settings and the source, there may be no sound output.

Frequency response	
PHONO	RIAA equalization curve ±0.5 dB
CD/SACD, TAPE, MD/DAT, TV/SAT, DVD/LD, VIDEO 1, 2,	10 Hz – 100 kHz +0.5/–2 dB (with sound field, equalizer, and bass boost bypassed)
Inputs (Analog)	
PHONO	Sensitivity: 2.5 mV Impedance: 50 kilohms S/N <sup>55</sup> : 86 dB (A, 2.5 mV <sup>65</sup> )
MULTI CHANNEL IN 1, 2, CD/SACD, TAPE, MD/DAT, DVD/LD, TV/SAT, VIDEO 1, 2, 3	Sensitivity: 150 mV Impedance: 50 kilohms S/N <sup>5)</sup> : 100 dB (A, 150 mV <sup>6)</sup> )
<ul><li>5) INPUT SHORT.</li><li>6) Weighted network, input least to the second of the</li></ul>	evel.
Inputs (Digital)	
CD/SACD, DVD/LD (Coaxial)	Sensitivity: – Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
CD/SACD, DVD/LD, TV/SAT, MD/DAT (Optical)	Sensitivity: – Impedance: – S/N: 100 dB (A, 20 kHz LPF)
Outputs	
TAPE, MD/DAT (REC OUT), VIDEO 1, 2 (AUDIO OUT)	Voltage: 150 mV Impedance: 10 kilohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2 V Impedance: 1 kilohms
EQ BASS:	99 Hz~1.0 kHz
MID (FRONT L/R, CENTER	(21 steps) R only): 198 Hz~10 kHz
TREBLE:	(36 steps) 1.0 kHz~10 kHz (23 steps)
Gain levels:	±10 dB, 0.5 dB step

**FM TUNER SECTION** Tuning range 87.5 - 108.0 MHz Antenna terminals 75 ohms, unbalanced Sensitivity Mono: 18.3 dBf, 2.2 µV/75 ohms Stereo: 38.3 dBf, 22.5 µV/75 ohms Usable sensitivity 11.2 dBf,  $1 \mu V/75$  ohms 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 dBSelectivity 60 dB at 400 kHz **AM TUNER SECTION** Tuning range 531 – 1602 kHz **Antenna** Loop antenna **Usable sensitivity** 50 dB/m (at 999 kHz) S/N 54 dB (at 50 mV/m)

VIDEO SECTION Inputs/Outputs

Selectivity

**Harmonic distortion** 

Video: 1 Vp-p, 75 ohms
S-video: Y: 1 Vp-p, 75 ohms
C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO: Y: 1 Vp-p, 75 ohms

B-Y: 0.7 Vp-p, 75 ohms R-Y: 0.7 Vp-p, 75 ohms

0.5 % (50 mV/m, 400 Hz)

35 dB

#### **GENERAL**

**Power requirements** 

Area code	Power requirements
CEL	230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz
KR	220 V AC, 60 Hz

#### **Power consumption**

Area code	Power consumption	
CEL, KR	390 W	
TW	400 W (max. 1,000 W)	

#### Power consumption (during standby mode)

1 W

#### **AC outlets**

Area code	AC outlets
CEL	1 switched, 100 W
TW	2 switched, 100 W
Dimensions	430 × 175 × 465 mm including projecting parts and controls
Mass (Approx.)	21.0 kg

#### Supplied accessories

FM wire antenna (1) AM loop antenna (1)

Remote commander RM-LP211 (1)

LR6 (size-AA) batteries (3)

Design and specifications are subject to change without notice.

# MODEL IDENTIFICATION - BACK PANEL - PART NO.

MODEL	PARTS No.
DA7ES: US model	4-240-816-0□
DA7ES: CND model	4-240-816-1□
DA4ES: US model	4-240-816-2□
DA4ES: CND model	4-240-816-3□
VA333ES: AEP model	4-240-816-4□
VA333ES: KR model	4-240-816-5□
VA333ES: TW model	4-240-816-6□

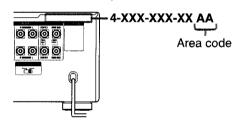
Abbreviation

CND: Canadian model KR: Korea model TW: Taiwan model

#### **AREA CODE**

#### About area codes

The area code of the receiver you purchased is shown on the lower portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, "Models of area code AA only".

Fig. 1

#### **SAFETY-RELATED COMPONENT WARNING!!**

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

#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

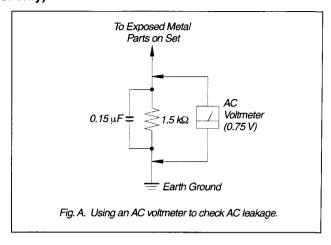
## SAFETY CHECK-OUT (US model only)

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 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 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)



11/15/15

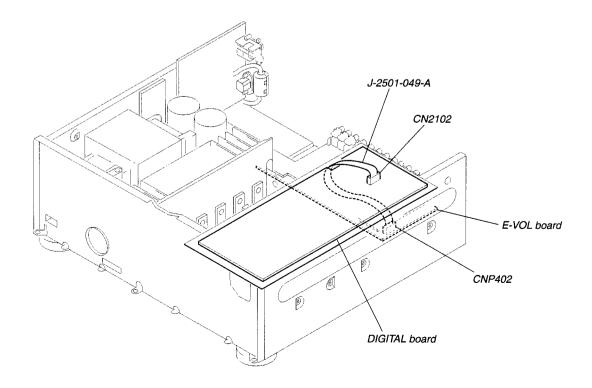
#### Notes on chip component replacement

- · Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

#### **EXTENSION CABLE AND SERVICE POSITION**

When repairing or serving this set, connect the jig (extension cable) as shown below.

• Connect the Digital board (CN2102) and the E-Vol board (CNP402) with the extension cable (Part No. J-2501-049-A).



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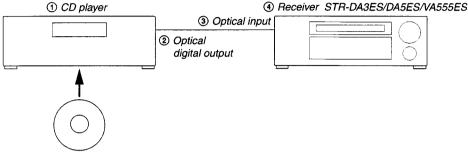
## SECTION 1 SERVICE NOTE

#### **DTS Decode Test**

#### • Required Instrument

CD player (equipped with optical digital output) Optical cable DTS test CD (J-2501-154-A)

#### Connection:



(5) DTS test CD (Music Demonstration and Set Up Disc)

#### Procedure:

- 1. Set the FUNCTION of the receiver to the CD position and confirm that " OPTICAL " and "CD" appear on the display.
- 2. Insert the DTS test CD into the CD player and play the CD.
- 3. About three seconds later, confirm that the receiver recognizes the optical signal and that the "DTS" and "dts [3/2]" are appear on the display. Confirm also that MULTI CHANNEL DECODING (blue lamp) flashes on the front panel.

Music Demonstration

Track No.	Contents	Time
1	Seal: "Prayer for the Dying"	5'40"
2	Andrew Litton conducting	4'16"
ı	The Dallas Symphony Orchestra & Chorus:	
	Excerpt from Tchaikovsky: "1812 Overture"	
3	Alan Parsons with Christopher Cross: "So Far Away"	
4	Shoelss Joe: "The Bet"	3'29"
5	TELARC: "A Touch of Surround Madness"	6'42"

Set-Up

Track No.	Contents	Time
6	1 kHz sine (All channels)	1'00"
	Level Adjustment and Harmonic Distortion Analysis	
7	100 Hz sine (All channels)	1'00"
	Verification of Signal and Subwoofer Testing	
8	C-Weighted Pink Noise-Left Front Channel	1'00"
9	C-Weighted Pink Noise-Center Channel	2'00"
10	C-Weighted Pink Noise-Right Front Channel	2'00"
11	C-Weighted Pink Noise-Right Rear Channel	2'00"
12	C-Weighted Pink Noise-Left Rear Channel	2'00"
13	C-Weighted Pink Noise-Subwoofer (LEE)	2'00"
14	C-Weighted Pink Noise-All Channels	2'00"
15	10 Hz to 20 kHz Sine Sweep	2'00"
	An "All Channel" Frequency Response Test	
16	20 Hz to 160 Hz sine sweep	2'00"
	A "Subwoofer" Low Frequency Response Test	

Track numbers from 8 to 14 are for Room Equalization and Channel Ideatification.

Note: Be careful about an electrical shock caused by remains of electrical potential.

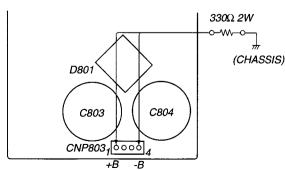
The following parts on DC board have the +B or -B electrical potential. Heat sink for rectifier diodes D801.

Aluminium case of smoothing capacitor C803, 804.

The 40-60V electrical voltage remains in C803, 804 when the power turns off. Be sure to discharge in the following manner before servicing.

#### **Discharging**

- 1. Pull out the power cord from the wall outlet.
- 2. Connect 330 ohm 2W resistors between the heat sinks for CNP803 1pin and 4pin and chassis individually.
- Check the electrical potential drops fully, then start servicing.



DC BOARD (COMPONENT SIDE)

11/15/15 www.freeservicemanuals.info

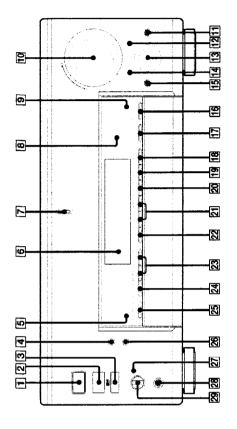
#### STR-DA4ES/DA7ES/VA333ES

#### **SECTION 2 GENERAL**

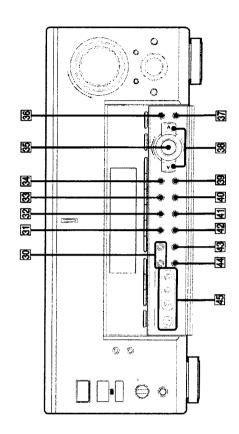
This section is extracted from instruction manual.

STR-DA4ES/DA7ES

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**NUMBERS AND SYMBOLS** 2ND ROOM indicator
(STR-DA4ES only) Zij
2ND/3RD ROOM
(STR-DA7ES only) Zij (67)
2ND/3RD ROOM indicator
(STR-DA7ES only) Zij
I/Ů (power) [] (STR-DA4ES only) [31] (67) 2CH STEREO (20) (34) 2ND ROOM

MULTI CHANNEL DECODING indicator [7] MUTING [fi] (27) MUTING [18] (28) MASTER VOLUME [10] (26, 27) NIGHT MODE indicator [5]
NORMAL SURR (ECPLII/
NEO:6) [T] (38)
ON SCREEN [22] (11, 14, 16)
PHONES jack [23] PRESET TUNING +/- 23 (30) Jog dial 35 (21, 43–47, 57, 58) LEVEL 34 (44) SURR BACK DECODING 16 SPEAKERS switch 29 (59) MEMORY (30) MODE +/- [2] (36, 37, 45) NIGHT MODE 42 (38) SB DEC indicator 9 SET UP 36 (21) DIMMER (28) (31)
DISPLAY (4) (31)
DISPLAY (4) (31)
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FM MODE (48)
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43-47, 57, 58)

ALPHABETICAL ORDER

A July Tier

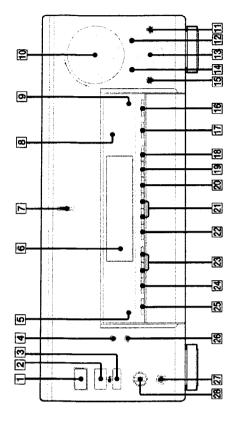
Ç.

**6**GB

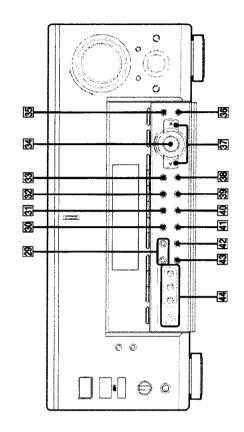
SURROUND (43) TUNING 4/- (20) VIDEO 3 INPUT jacks (43) (16)

#### STR-VA333ES

**5**98







NUMBERS AND SYMBOLS
2CH STEREO [20] (34)
I/Ch (power) [1]

MASTER VOLUME [10] (24, 25)
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PTY SELECT 4-1. [23] (29)
(Models of area code CEL only)

CINEMA STUDIO EX 25 (35)

Cursor buttons (</>
43-47, 57)

CUSTOMIZE 39 (47, 57)

Digital Cinema Sound indicator 8

DIMMER 25 (31)

DISPLAY 4 (29, 31)

DOOR OPEN [15]

ENTER 26 (45, 46)

FO BANK 47 (45, 46)

FO BANK 47 (45, 46)

FWAM 29 (26)

FW

(Models of area code CEL only)
SB DEC indicator [9]

RDS PTY 30 (29)

(Models of area code TW, KR

SET UP **(35)** (19) SLEEP **(30)** (58) SURR BACK DECODING 16

SPEAKERS switch 28 (58)

only)

SURROUND 32 (43) TUNING 4/- 23 (26) VIDEO 3 INPUT jacks 44 (14)

NUMBE

Main unit

ALPHABETICAL ORDER

ANALOG DIRECT [19] (34) AUDIO SPLIT [14] (41)

AUTO DEC [22] (34)

**4**<sup>GB</sup>

## SECTION 3 TEST MODE

#### 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:

- 1. While depressing, the DISPLAY and the ENTER buttons simultaneously, press the power 1/0 button to turn on the main power.
- 2. All segments turn on at the same time, then each segment turns on press the DIMMER button.

#### **FACTORY SET MODE**

All preset contents are reset to the default setting. Procedure:

#### Procedure:

1. While pressing SET UP and DIMMER buttons, press I/O button, then "TUNER FACTORY PRESET" is displayed in several seconds and PRESET is complete.

#### **ALL CLEAR MODE**

#### Procedure:

1. Press / button continuously, then "ENTER to Clear ALL" is displayed and press ENTER the preset data are cleared."

#### **SOUND FIELD 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:

1. While depressing the MODE + button, press the power 1/0 button to turn on the main power. The message S.F Initialize appears and initialization is performed.

## AM CHANNEL STEP 9 KHZ/10 KHZ SELECTION MODE

#### (DA4ES, DA7ES, VA333ES: E MODELS)

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

#### Procedure:

- 1. Set the FUNCTION to AM. Turn off the main power.
- 2. While depressing the TUNING + button press the power button to turn on the main power.
- Either the message AM 9kHz Step or AM 10kHz Step appears. Select the desired step.

#### **VERSION MODE**

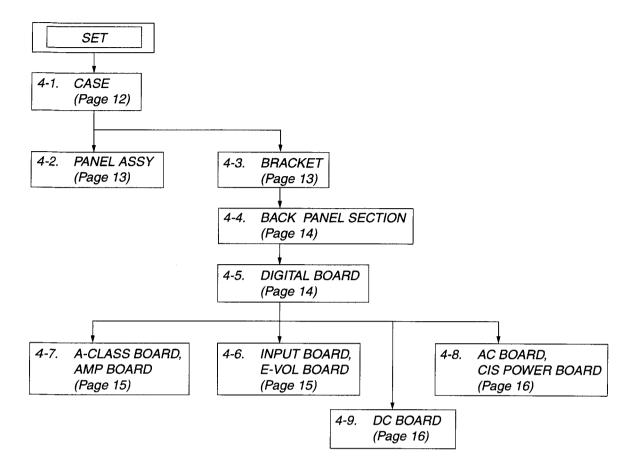
#### Procedure:

- While pressing <u>SURR</u> and <u>ENTER</u> buttons, press <u>I/U</u> button, then "MENU SPECIALIZED!" is displayed in several seconds.
- 2. Press ≥ button, then "D7ES U\_CA VX.XX..." is displayed in several seconds.

#### STR-DA4ES/DA7ES/VA333ES

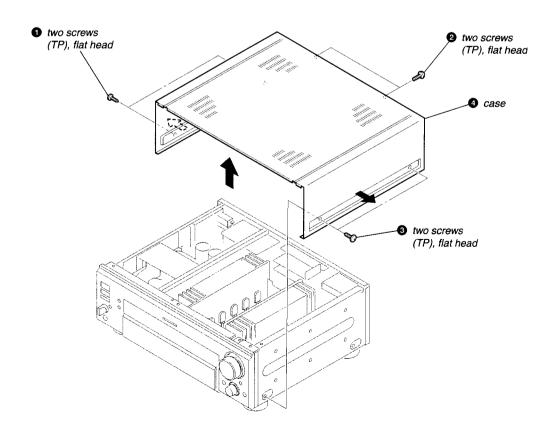
## SECTION 4 DISASSEMBLY

Note: This set can be disassemble according to the following sequence.

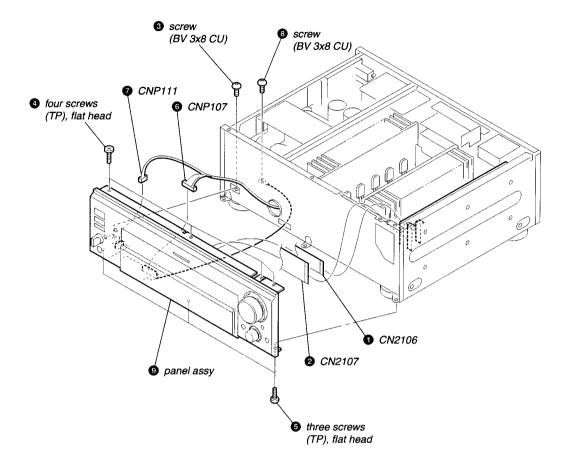


Note: Follow the disassembly procedure in the numerical order given.

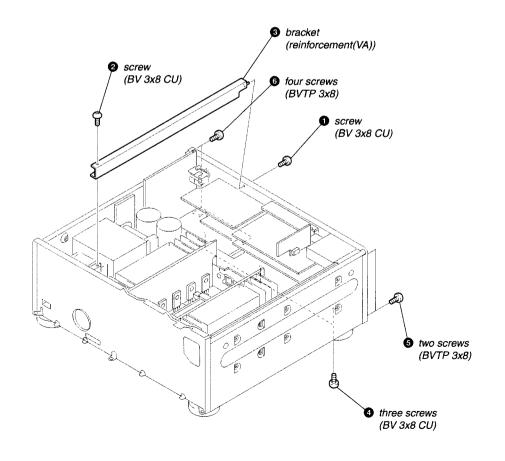
#### 4-1. CASE



#### 4-2. PANEL ASSY

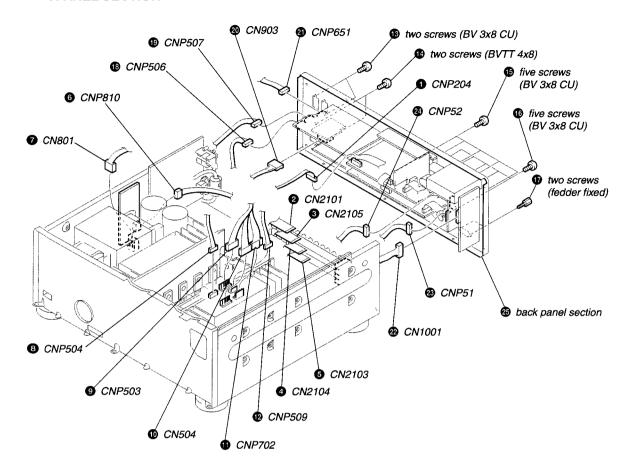


#### 4-3. BRACKET

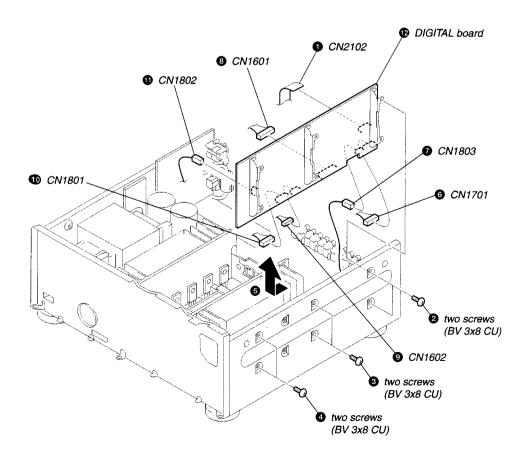


#### STR-DA4ES/DA7ES/VA333ES

#### 4-4. BACK PANEL SECTION



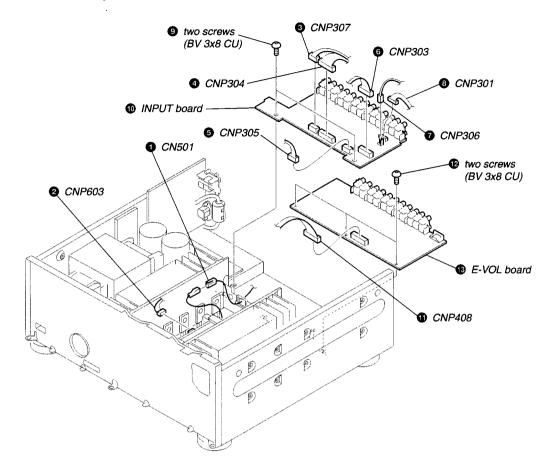
#### 4-5. DIGITAL BOARD



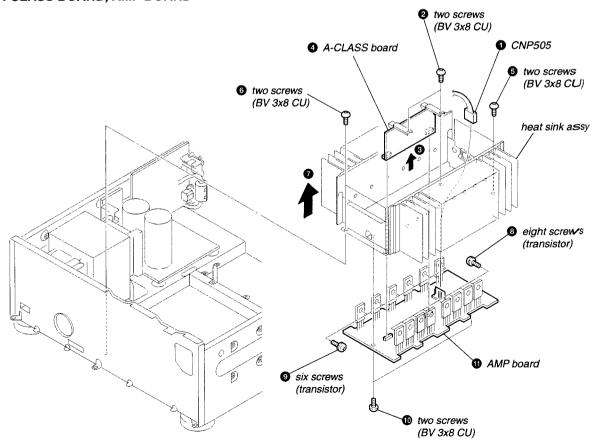
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#### STR-DA4ES/DA7ES/VA333ES

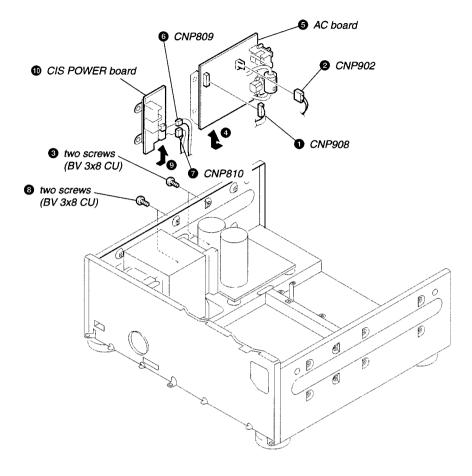
#### 4-6. INPUT BOARD, E-VOL BOARD



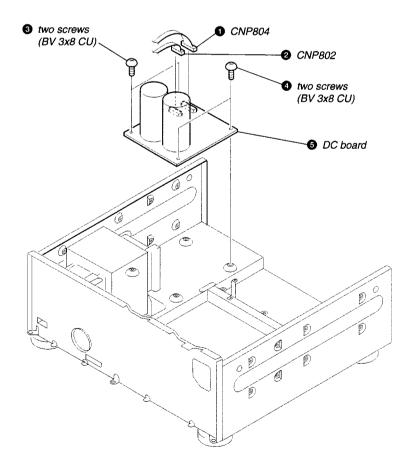
#### 4-7. A-CLASS BOARD, AMP BOARD



#### 4-8. AC BOARD, CIS POWER BOARD



#### 4-9. DC BOARD



## SECTION 5 ELECTRICAL ADJUSTMENT

#### [IDLING CURRENT ADJUSTMENT]

**Measuring Instrument:** 

Digital voltmeter

**Adjustment Procedure:** 

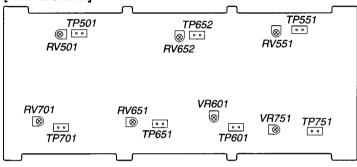
Adjust the respective adjustment elements so that the voltage (absolute value) across the corresponding

testpoints satisfies the specification.

Channel	Test point	Adjustment element	Specification
FRONT L	TP501	RV501	
FRONT R	TP551	RV551	
CENTER	TP652	RV652	
SURROUND L	TP701	RV701	$4.0 \text{mV} \pm 0.5 \text{mV}$
SURROUND R	TP751	RV751	
SURR BACK L	TP651	RV651	
SURR BACK R	TP601	RV601	

#### **Adjustment Location:**

#### [AMP BOARD]



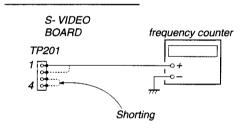
#### [OSD ADJUSTMENT]

**Measuring Instrument:** 

frequency counter

#### **Procedure:**

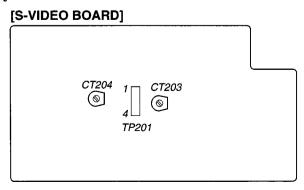
- 1. Connect the frequency counter to check connector (TP201) of the S VIDEO board.
- 2. Connect between Pin 3 to Pin 4 of TP201 by lead wire.
- Adjust the respective adjustment element so that the frequency counter read specification.



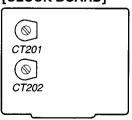
Adj.	MODEL		Adjustment element	measurement point	Specification
	V4.222EG	NTSC	CT202 (CLOCK BOARD)		3.579545MHz ±50Hz
	VA333ES	PAL	CT201 (CLOCK BOARD)	TP201	4.433618MHz ±50Hz
Ι	DA4ES, DA7ES		CT203 (S-VIDEO BOARD)	Pin ①	3.57954MHz ±50Hz
II	All models		CT204 (S-VIDEO BOARD)	TP201 Pin ②	7.20MHz ±0.01MHz

4. After check, remove the lead wire connected in step 2.

#### **Adjustment Location:**



#### [CLOCK BOARD]



#### STR-DA4ES/DA7ES/VA333ES

## **SECTION 6 DIAGRAMS**

#### 6-1. IC PIN FUNCTION

• IC1201 CXD9617R (AUDIO DSP) (DIGITAL BOARD (4/7))

Pin No.	Pin Name	I/O	Pin Description	
1	VSS	_	Ground pin	
2	XRST	I	Reset signal input	
3	EXTIN	I	Not used. (connected to ground.) Master clock signal input	
4	FS2	I	Not used. (connected to ground.)	
5	VDDI	_	Power supply pin (+3.3 V)	
6	FS1	I	Not used. (connected to ground.)	
7	PLOCK	0	Not used. (open)	
8	VSS		Ground pin	
9	MCLK1	I	External crystal signal input (13.5 MHz)	
10	VDDI		Power supply pin (+3.3 V)	
11	VSS		Ground pin	
12	MCLK2	0	External crystal signal output (13.5 MHz)	
13	MS	I	Not used. (connected to ground.)	
14	SCKOUT	0	Not used. (open) Audio clock signal output	
15	LRCKI1	I	LRCK clock signal input	
16	VDDE		Power supply pin (+3.3 V)	
17	BCKI1	I	BCK clock signal input	
18	SDI1	I	Audio serial data signal input	
19	LRCKO	0	LRCK clock signal output	
20	ВСКО	0	BCK clock signal output	
21	VSS	_	Ground pin	
22	KFSIO	I	KFSIO signal input	
23	SDO1	0	Audio serial data signal output 1	
24	SDO2	0	Audio serial data signal output 2	
25	SDO2	0	Audio serial data signal output 2  Audio serial data signal output 3	
26	SDO4	0	Audio serial data signal output 5  Audio serial data signal output 4	
27	SPDIF	0	Not used. (open) S/P DIF signal output	
28	LRCKI2	I		
29	BCKI2	1	LRCK clock signal input  BCK clock signal input	
30	SDI2	I	Audio serial data signal input	
31	VSS	1	Ground pin	
32	HACN	0	Host I/F acknowledge signal output	
33	HDIN	1	Host I/F serial data signal input	
34	HCLK	I		
35	HDOUT	0	Host I/F serial clock signal input  Host I/F serial data signal output	
36	HCS			
37	SDCLK	O	Host I/F chip select signal input  Not used. (open)	
38	CLKEN	0	Not used. (open)  Not used. (open)	
39	RAS	0	Not used. (open)  Not used. (open)	
40	VDDI	0	Power supply pin (+3.3 V)	
41	VSS			
42			Ground pin	
43	CAS	0	Not used. (open)	
44	DQM/OE0	О	Not used. (open)	
45	CS0	1 -	Ground pin	
46	WE0	О	External memory write enable signal output	
	VDDE	<del>-</del>	Power supply pin (+3.3 V)	
47	WMD1	I	Not used. (connected to VDDE.) External memory wait mode signal input 1	
	VSS		Ground pin	
49	WMD0	I	Not used. (connected to VDDE.) External memory wait mode signal input 0	
50	PAGE2	0	External memory page select signal output	
51	VSS		Ground pin	

Pin No.	Pin Name	I/O	Pin Description	
52	PAGE1	0	Not used. (open)	
53	PAGE0	0	Not used. (open)	
54	BOOT	I	Not used. (connected to ground.)	
55	BTACT	0	Not used. (open)	
56	BST	I	DSP BST signal input	
57	MOD1	I	Not used. (connected to VDDE.)	
58	MOD0	I	Not used. (connected to ground.)	
59	EXLOCK	I	DIR error input from LC89056W (IC1101)	
60	VDDI		Power supply pin (+3.3 V)	
61	VSS	1_	Ground pin	
62, 63	A17,A16	0	Not used. (open)	
64 to 66	A15-13	0	Address data output to RAM (IC1202)	
67	GP10	0	BCK clock output to SSM Not used. (open)	
68	GP9	0	GP signal output to MB91F155-2ESX100 (IC2001)	
69	GP8	0	Audio signal output to LC89056W (IC1101)	
70	VDDI	0	Power supply pin (+3.3 V)	
71	VSS		Ground pin	
72	D15/GP7	I/O	Data input/output to RAM (IC1202)	
73	D14/GP6	I/O	Data input/output to RAM (IC1202)	
74	D13/GP5	I/O	Data input/output to RAM (IC1202)	
75	D12/GP4	ľO	Data input/output to RAM (IC1202)	
76	VDDE		Power supply pin (+3.3 V)	
77	D11/GP3	I/O	Data input/output to RAM (IC1202)	
78	D10/GP2	I/O	Data input/output to RAM (IC1202)	
79	D9/GP1	I/O	Data input/output to RAM (IC1202)	
80	D8/GP0	I/O	Data input/output to RAM (IC1202)	
81	VSS		Ground pin	
82 to 85	A9-12	0	Address data output to RAM (IC1202)	
86	TD0	1	Not used. (connected to VDDE.)	
87	TMS	I	Not used. (connected to VDDE.)	
88	XTRST	l	Not used. (connected to VDDE.)	
89	TCK	I	Not used. (connected to VDDE.)	
90	TDI	I	Not used. (connected to VDDE.)	
91	VSS	<u> </u>	Ground pin	
92 to 97	A8-3	0	Address data output to RAM (IC1202)	
98, 89	D7,D6	I/O	Data input/output to RAM (IC1202)	
100	VDDI	_	Power supply pin (+3.3 V)	
101	VSS	- I	Ground pin	
102 to 105	D5-2	I/O	Data input/output to RAM (IC1202)	
106	VDDE		Power supply pin (+3.3 V)	
107, 108	D1,D0	I/O	Data input/output to RAM (IC1202)	
109, 110	A2,A1	0	Address data output to RAM (IC1202)	
111	VSS	_	Ground pin	
112	A0	0	Address data output to RAM (IC1202)	
113	PM	1	PM signal input from MB91F155-2ESX100 (IC2001)	
114	SDI3	I	Sound data input Not used. (open)	
115	SDI4	I	Sound data input Not used. (open)	
116	SYNC	I	Not used. (connected to VDDE.)	
117	VSS		Ground pin	
118	VSS	<b> </b>	Ground pin	
119	VSS	_	Ground pin	
120	VDDI	_	Power supply pin (+3.3 V)	
			Land the Comment	

## STR-DA4ES/DA7ES/VA333ES

#### • IC2001 MB91F155-2ESX100 (SYSTEM CONTROL) (DIGITAL BOARD (2/7))

Pin No.	Pin Name	I/O	Pin Description	
1	DSP1MOD1	0	SSM select signal output	
2	XMODE	0	Mode signal output to LC89056W (IC1101)	
3	CKSEL	0	Clock select signal output to LC89056W (IC1101)	
4	DIR-CLK	0	Clock signal output to LC89056W (IC1101)	
5	DIR-CE	О	Chip enable signal output to LC89056W (IC1101)	
6	DIR-DI	0	Data output to LC89056W (IC1101)	
7	DIR-DO	I	Data input from LC89056W (IC1101)	
8	DIR-ERROR	I	Dir error input from LC89056W (IC1101)	
9	VSS	_	Ground pin	
10	DIR-DATAO	I	Dir data input	
11	DIR-XSTATE	I	Dir state signal input	
12	CLK-SW	0	Clock select signal output	
13	DAMUTE	0	D/A output muting signal output	
14	1XRST	0	Reset signal output to DSP1 (IC1201)	
15	1PM	0	PM signal output to DSP1 (IC1201)	
16	1GP9	I	GP signal input from DSO1 (IC1201)	
17	1BST	0	BST signal output to DSP1 (IC1201)	
18	1HCS	0	HCS signal output to DSP1 (IC1401)	
19	1HDOUT	I	HD input from DSP1 (IC1201)	
20	1HACN	1	HACN signal input from DSP1 (IC1201)	
21	2XRST	0	BST signal output to DSP2 (IC1401)	
22	2BST	0	Reset signal output to DSP2 (IC1401)	
23	2PM	0	PM signal output to DSP2 (IC1401)	
24	2EXLOCK	0	Ext lock signal output to DSP2 (IC1401)	
25	3EXLOCK	0	Ext lock signal output to DSP3 (IC1501)	
26	VSS	_	Ground pin	
27	VCC		Power supply pin (+3.3 V)	
28	2HACN	I	HACN signal input from DSP2 (IC1401)	
29	2HDOUT	I	HD input from DSP2 (IC1401)	
30	2HCS	0	HCS signal output to DSP2 (IC1401)	
31	3XRST	0	Reset signal output to DSP3 (IC1501)	
32	3BST	0	BST signal output to DSP3 (IC1501)	
33	3PM	0	PM signal output to DSP3 (IC1501)	
34	3HACN	1	HACN signal input from DSP3 (IC1501)	
35	3HDOUT	l	HD input from DSP3 (IC1501)	
36	3HCS	0	HCS signal output to DSP3 (IC1501)	
37	DARST	0	Reset signal output to D/A converter (IC1602)	
38	DA2LAT	0	Serial data latch signal output to D/A converter (IC1602)	
39	DACLK	0	Serial clock output to D/A converter (IC1602)	
40	DADATAOUT	0	Serial data output to D/A converter (IC1602)	
41	DA2DATAIN	I	Serial data input from D/A converter (IC1602)	
42	DAILAT	0	Serial data latch signal output to D/A converter (IC1602)	
43	DAIDATAIN	I	Serial data input from D/A converter (IC1602)	
44	VSS	_	Ground pin	
45	ADINT	0	INT signal output to AK5352 (IC1701)	
46	DSP2 GP3	I	GP3 signal input from DSP2 (IC1401)	
47	END FLAG	1	End flag input from UART (IC1901)	
48	DSP3 GP3	I	GP3 signal input from DSP3 (IC1501)	
49	MBUS-STS0	ı	M-BUS status input	
50	CTLAT	0	Control latch signal output to UART (IC1901)	
	CILIN		Control lateri signal output to Oriet (IC1701)	

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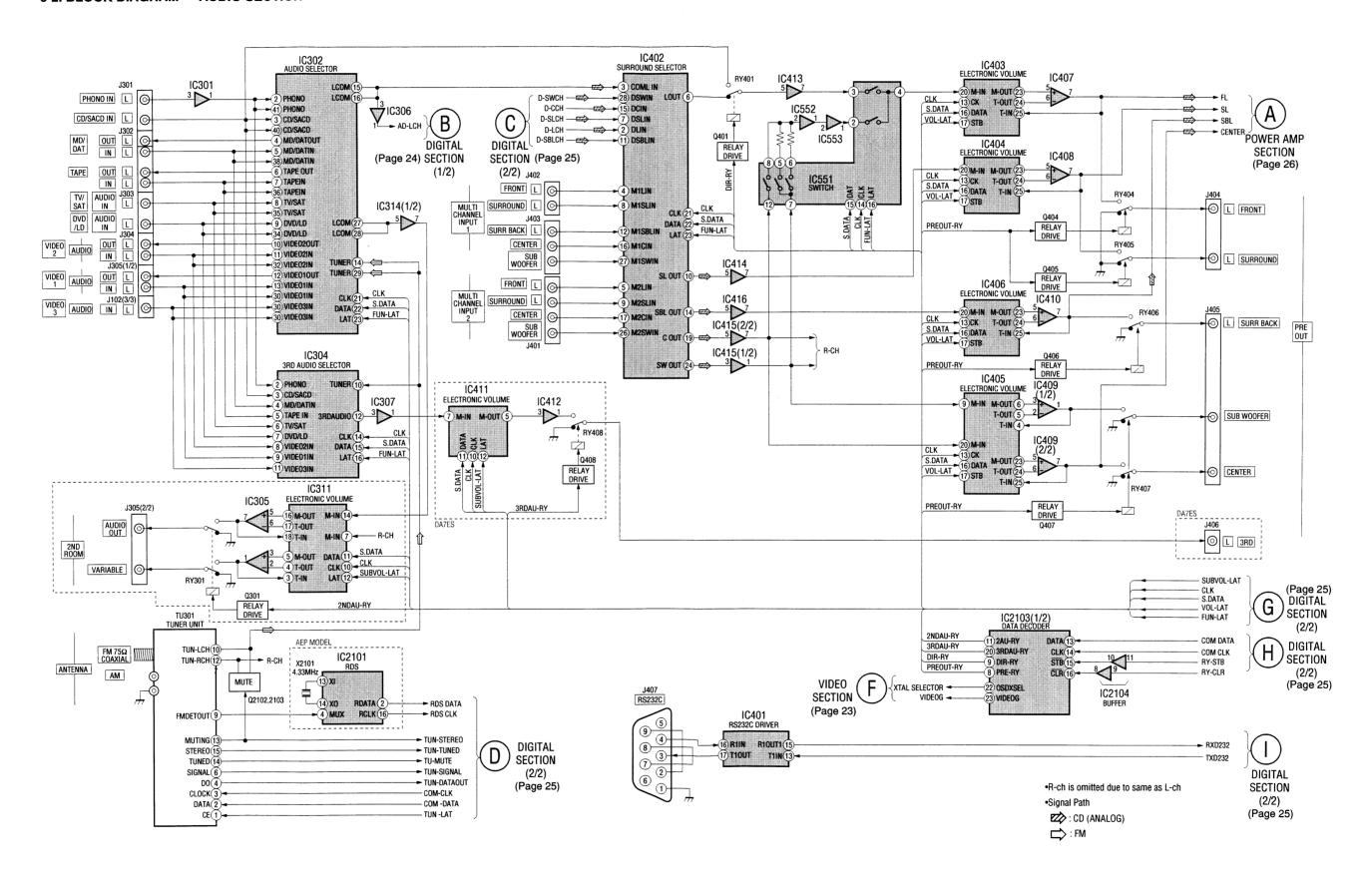
## STR-DA4ES/DA7ES/VA333ES

11/15/15

Pin No.	Pin Name	I/O	Pin Description
51	A10	0	Control A1 signal output to UART (IC1901)
52	MD2	I	Mode signal input
53	MD1	I	Connected to VCC.
54	MD0	I	Mode signal input
55	RSTX	I	System reset input
56	VCC	_	Power supply pin (+3.3 V)
57	X1	I	External crystal terminal (16.5 MHz)
58	X0	0	External crystal terminal (16.5 MHz)
59	VSS		Ground pin
60	STOP	I	AC power OFF signal input
61	RDS CLK	I	Clock signal input from RDS
62	POWER SW	I	Power switch input
63	MBUS-STS1	I	M-BUS status input
64	MBUS-STS2	I	M-BUS status input
65	MBUS-STS3	I	M-BUS status input
66	SIRCS	I	SIRCS serial data input
67	MBUS-STS4	I	M-BUS status input
68	VCC		Power supply pin (+3.3 V)
69	PWRY	0	AC power relay drive signal output
70	MSTO	0	M-BUS status output
71	HP	I	headphone connect signal input
72	PROT	I	Power amp protector signal input
73	ACMUTE	0	Power amp muting signal output
74	OSD-VSINC	I	V-sync signal input
75	NOUSE	0	Connected to GND.
76	OSD-LAT	0	OSD latch signal output
77	VCC	+-	Power supply pin (+3.3 V)
78	RY-STB	0	STB signal output to NJU3716M (IC2103)
79	RY-CLR	0	Clear signal output to NJU3716M (IC2103)
80	FUN-LAT	0	Latch signal output to audio selector
81	VIDEO-RCK	0	RCK signal output to video selector
82	SUBVOL-LAT	0	Latch signal output
83	VOL-LAT	0	Latch signal output to EVR
84	TUN-TUNED	I	Tuned signal input from tuner (TU301)
85	TUN-STEREO	I	Stereo signal input from tuner (TU301)
86	TUN-LAT	0	Latch signal output to tuner (TU301)
87	TUN-DO	0	Serial data output to tuner (TU301)
88	TUN-MUTE	0	Mute signal output to tuner (TU301)
89	AlI	I	Control A1 signal input from UART (IC1901)
90	COM-CLK	0	Common clock output
91	COM-DATA	0	Common data output
92	RDS-DATA	I	Serial data input from RDS
93	RST TRG	0	Reset trigger output
94	PG3/OPTC	0	Digital (optical) input select signal output
95	PG4/OPTB	0	Digital (optical) input select signal output
96	TRG3	0	12 V trigger signal output
97	VCC	+	Power supply pin (+3.3 V)
98	VSS		Ground pin
99	EEPROM SDA	I/O	Serial data input/output to EEPROM (IC2002)
100	EEPROM SCL	0	Clock output to EEPROM (IC2002)
100	ELI KOM SCL		Cioca output to LLI ROM (IC2002)

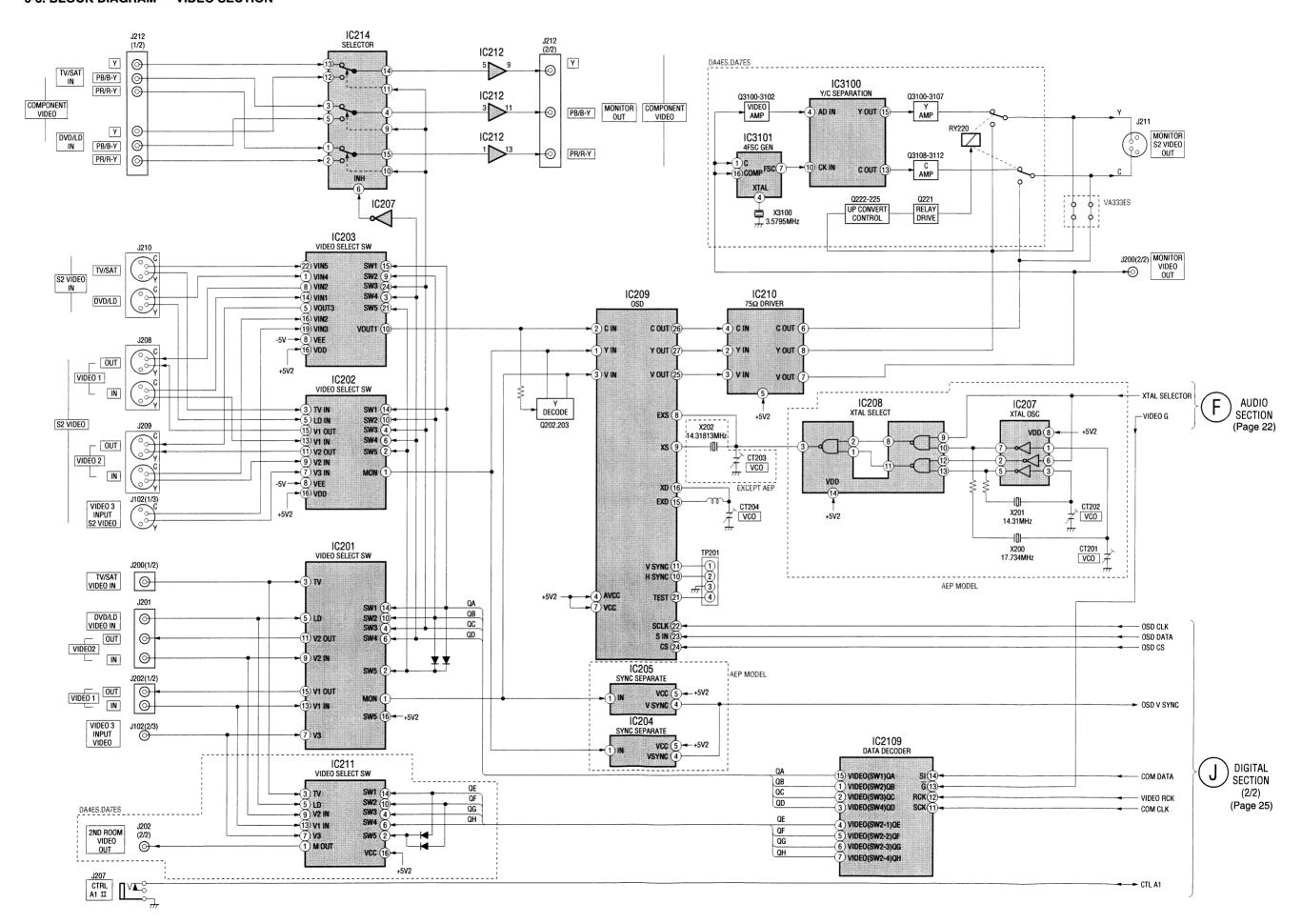
Pin No.	Pin Name	I/O	Pin Description	
101	VSS	_	Ground pin	
102	HCLK	0	H clock output to all DSP	
103	HDIN	0	H data output to all DSP	
104	FR-ASP	I	Speaker select switch signal input	
105	OSD-CLK	0	Clock output	
106	OSD-DAT	0	Serial data output	
107	TRG2	0	12 V trigger signal output	
108	TRGMAIN	0	12 V trigger main signal output	
109	SOT1	0	Serial data output to RS-232C (J407)	
110	SIN1	I	Serial data input to RS-232C (J407)	
111	FL CLK	0	Clock signal output to FL display (FL101)	
112	FL DIN	0	serial data output to FL display (FL101)	
113	FL LAT	0	Latch signal output to FL display (FL101)	
114	FL CLR	0	Clear signal output to FL display (FL101)	
115	FR-BSP	Ī	Speaker select switch signal input	
116	JOGUP	I	JOG dial up signal input	
117	JOGDOWN	I	JOG dial down signal input	
118	FUNCUP	I	Function dial up signal input	
119	FUNCDWN	I	Function dial down signal input	
120	VOLUP	0	Volume dial up signal output	
121	VOLDWN	0	Volume dial down signal output	
122	VCC		Power supply pin (+3.3 V)	
123	OPTA	0	Digital (optical) input select signal output	
124	LEDCLR	0	Clock output to LED driver	
125	LEDSTB	0	Strobe signal output toLED driver	
126	DAVS (VSS)		Ground pin	
127	DAVC (VCC)		Power supply pin (+3.3 V)	
128	AVCC (VCC)	1 -	Power supply pin (+3.3 V)	
129	AVRH (VCC)		Power supply pin (+3.3 V)	
130	AVRL (VSS)	T 1	Ground pin	
131	AVSS (VSS)		Ground pin	
132	AD1	I	Key function A/D input	
133	AD2	I	Key function A/D input	
134	AD3	I	Key function A/D input	
135	AD4	I	Key function A/D input	
136	AD5	I	Key function A/D input	
137	VERSION	I	Version set terminal	
138	RDS SIGNAL	I	RDS signal input	
139	NOUSE	I	Connected to GND.	
140	VCC2	1-	Power supply pin (+3.3 V)	
141	BACKUP	I	Connected to VCC.	
142	XOA	0	AEP model: Not used. (open) Except AEP model: Connected to GND.	
143	XIA	I	Not used. (open)	
144	VSS		Ground pin	

#### 6-2. BLOCK DIAGRAM — AUDIO SECTION —

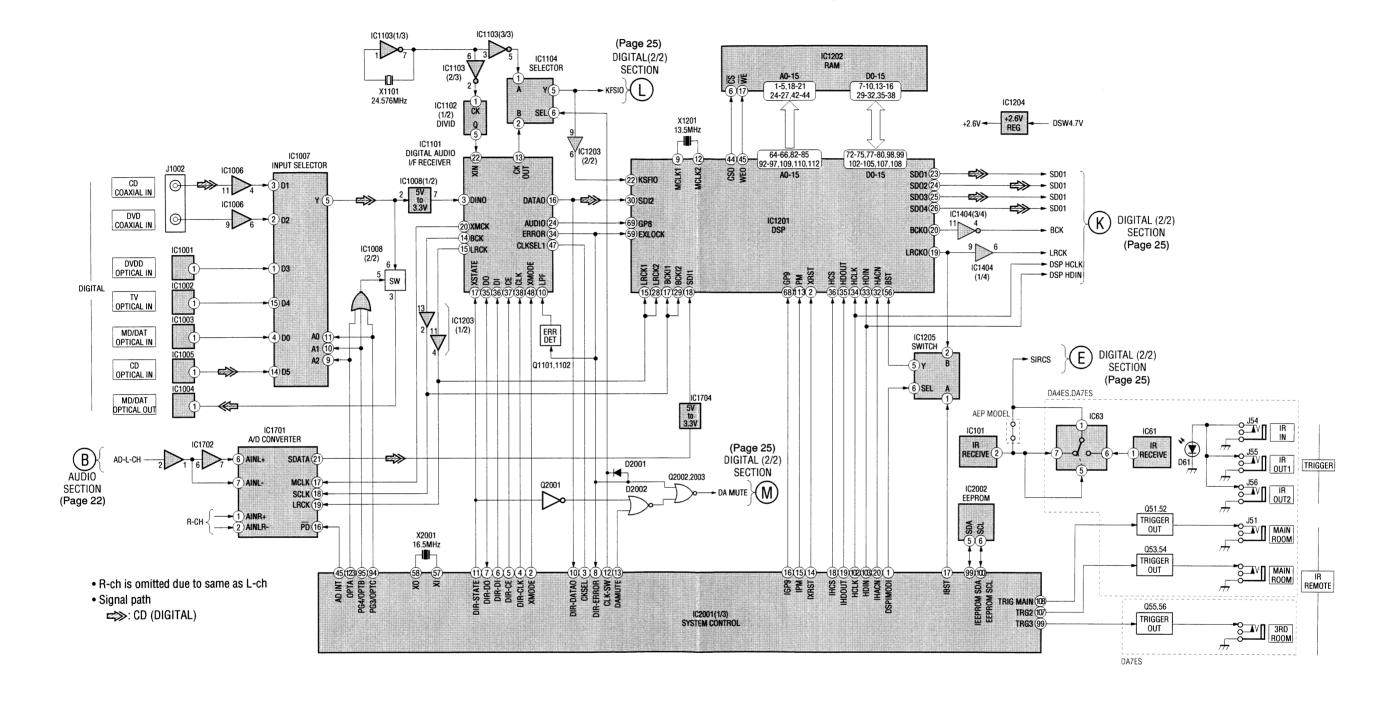


11/15/15

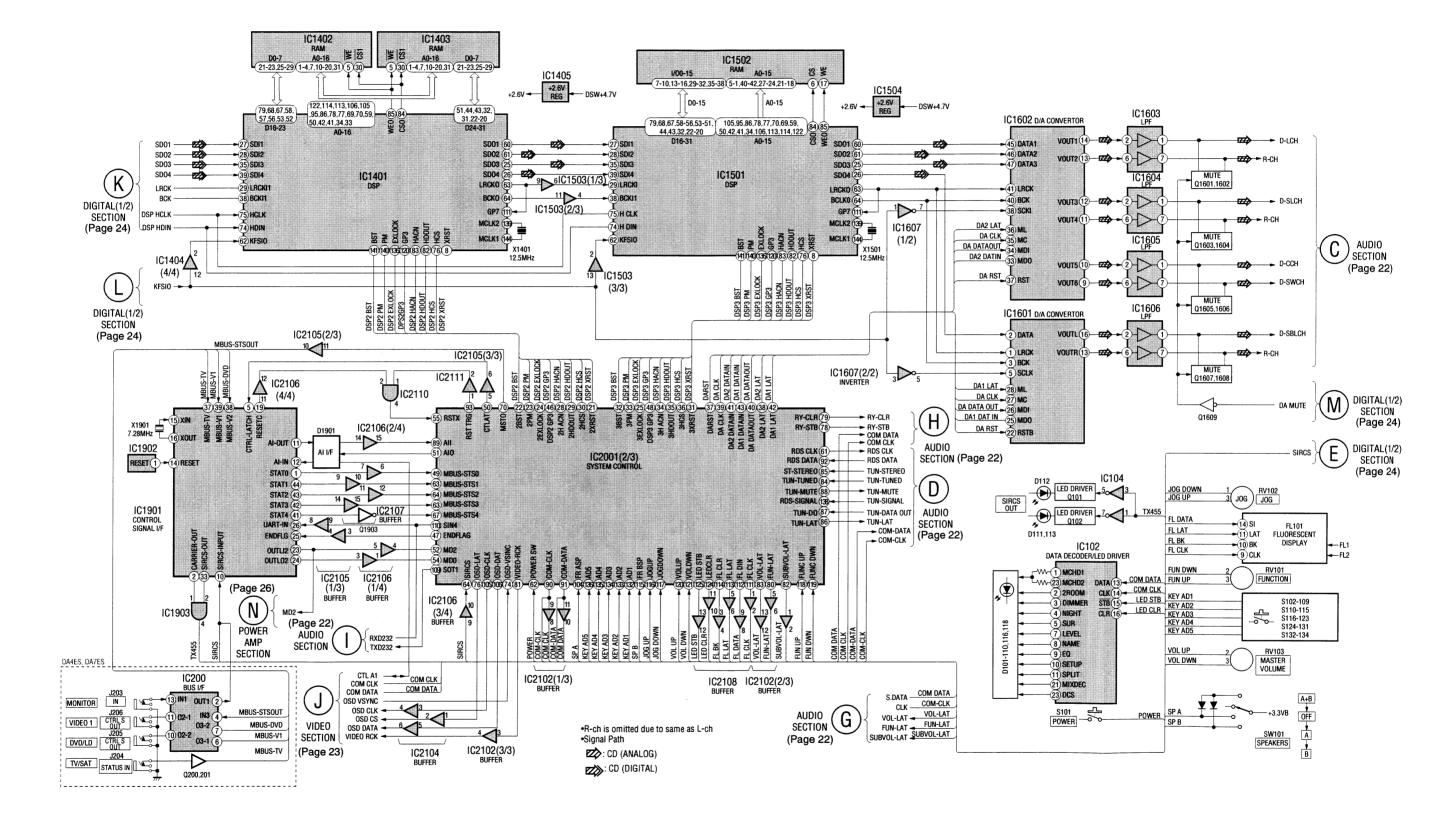
#### 6-3. BLOCK DIAGRAM — VIDEO SECTION —



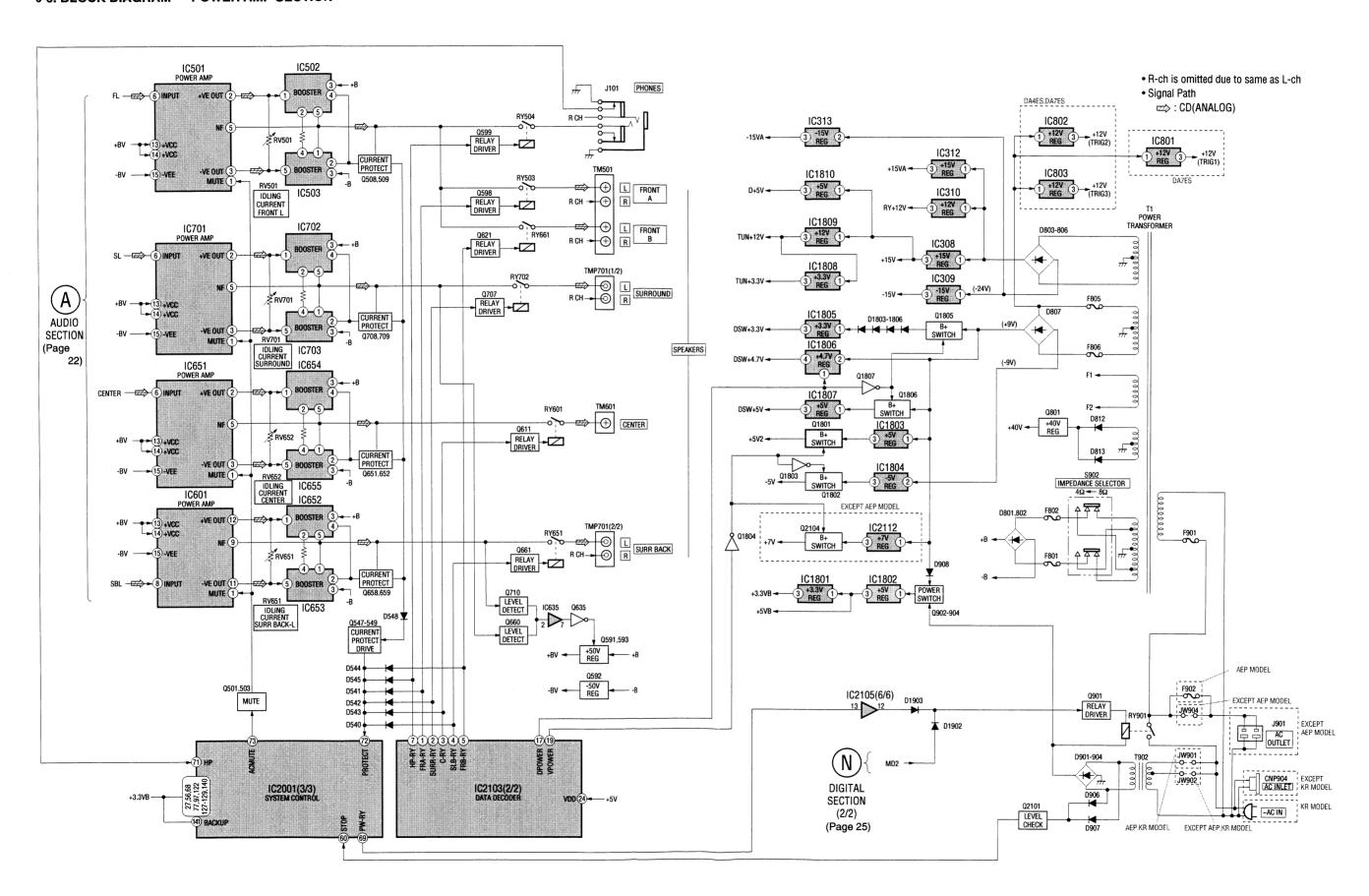
#### 6-4. BLOCK DIAGRAM — DIGITAL SECTION (1/2) —



#### 6-5. BLOCK DIAGRAM — DIGITAL SECTION (2/2) —



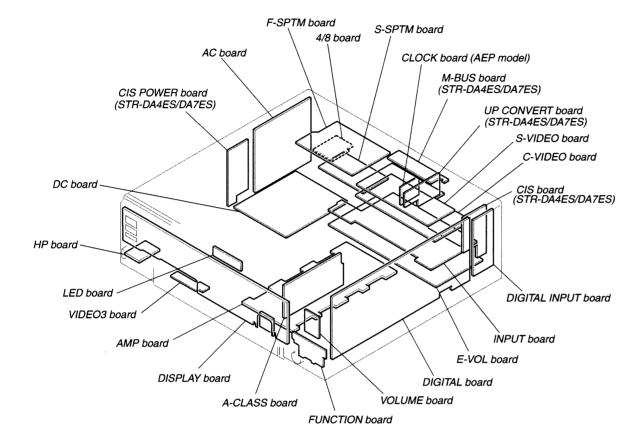
#### 6-6. BLOCK DIAGRAM — POWER AMP SECTION —



11/15/15

#### 6-7. CIRCUIT BOARDS LOCATION

#### **MEMO**



#### THIS NOTE IS COMMON FOR PRINTED WIRING **BOARDS AND SCHEMATIC DIAGRAMS.** (In addition to this, the necessary note is printed in each block.)

#### For schematic diagrams.

- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \mu F$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $^{1}/_{4}$  W or less unless otherwise specified.

Note:

spécifié.

pour la sécurité.

Les composants identifiés par

une marque A sont critiques

Ne les remplacer que par une

piéce portant le numéro

•  $\triangle$  : internal component.

• : par	nel designatior

	Note:
	The components identi-
	fied by mark $ ext{$\Delta$}$ or dotted
	line with mark ∆ are criti-
	cal for safety.
	Replace only with part
ı	number enecified

• === : B+ Line.

• --- : B- Line.

• \_\_\_\_\_ : adjustment for repair.

· Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: FM

\* : Impossible to measure

- Voltages are taken with a VOM (Input impedance 10  $M\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

Signal path.

⇒ :FM : CD (ANALOG) : CD (DIGITAL)

Abbreviation

CND: Canadian model.

TW : Taiwan model. : Korea model.

#### For printed wiring boards.

- : parts extracted from the component side.

• ----: parts extracted from the conductor side.

• O: Through hole.

• Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

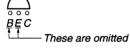
Caution:

Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.

(Side B)

Parts face side: Parts on the parts face side seen from the parts face are indicated.

O B E -These are omitted





Abbreviation

CND : Canadian model. TW: Taiwan model. : Korea model.

#### Waveforms

#### - DIGITAL Board -

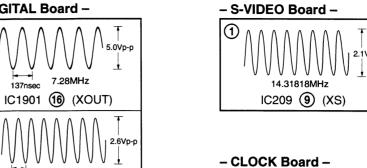
13.5MHz

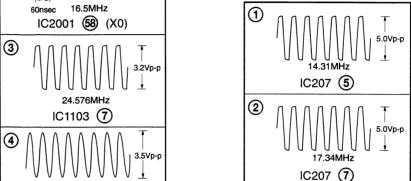
12.5MHz

IC1201 (12) (MCLK2)

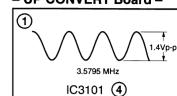
IC1401 (39) (MCLK2)

IC1501 (39) (MCLK2)

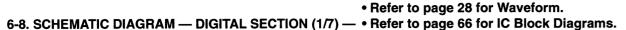


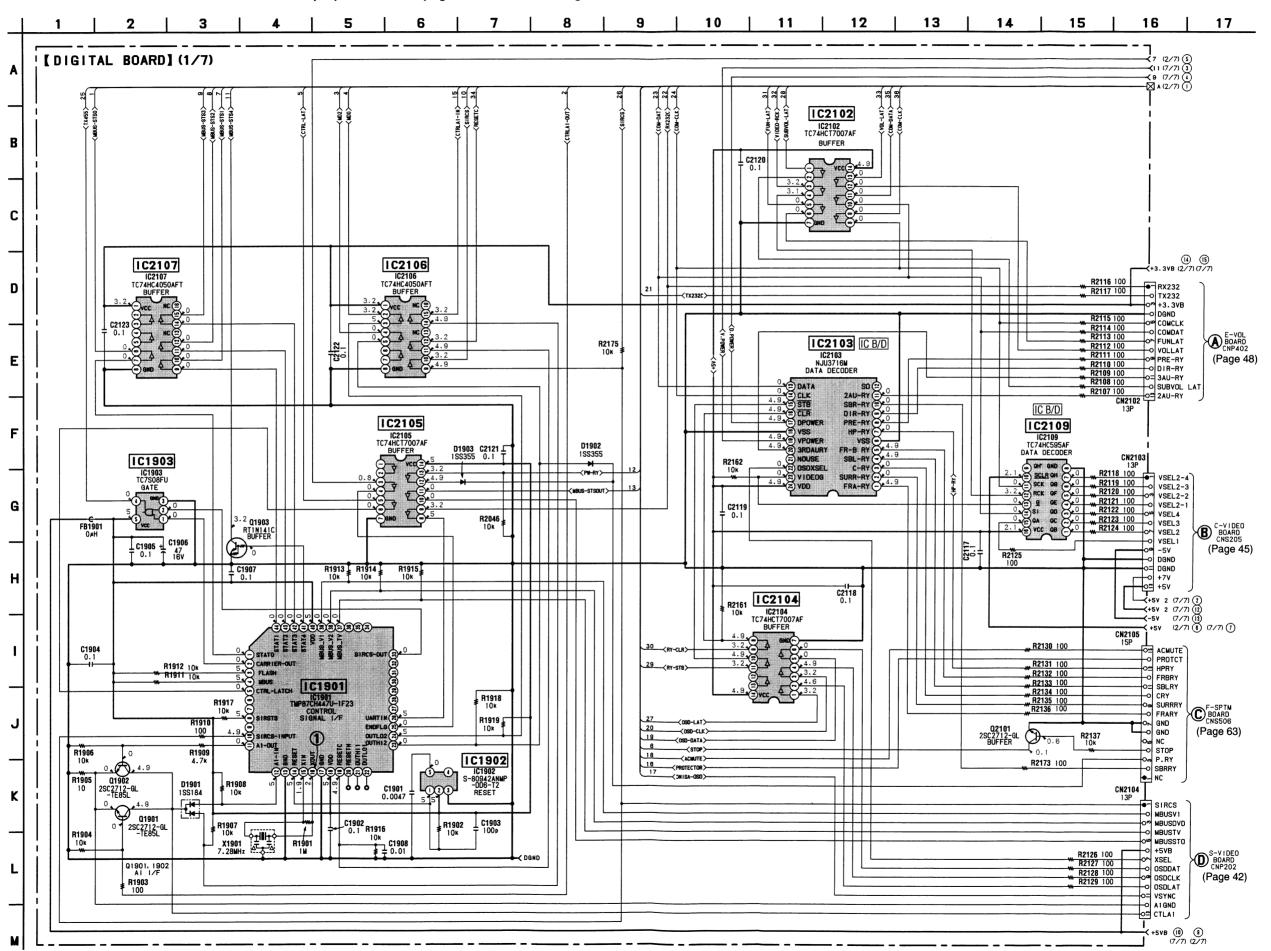




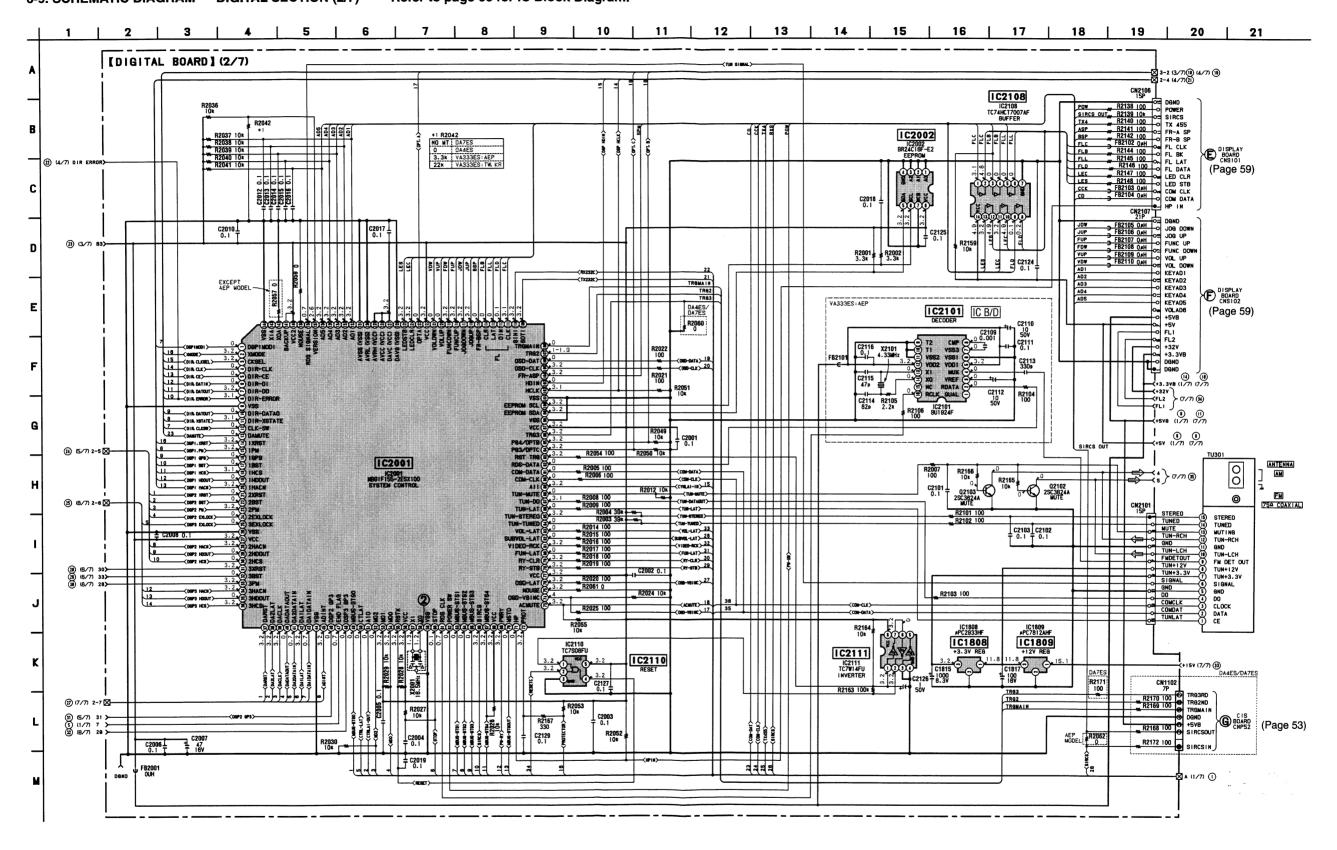


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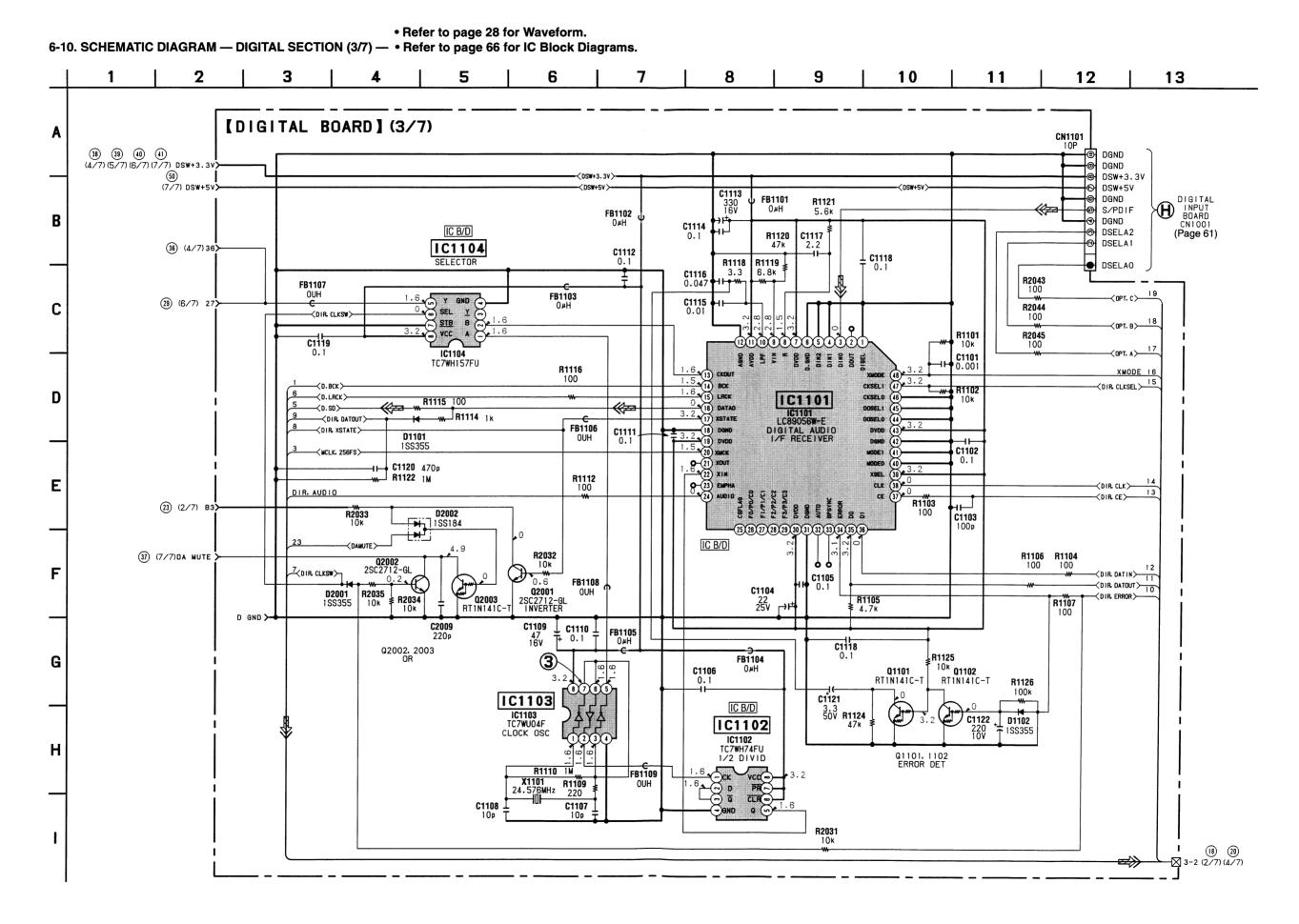




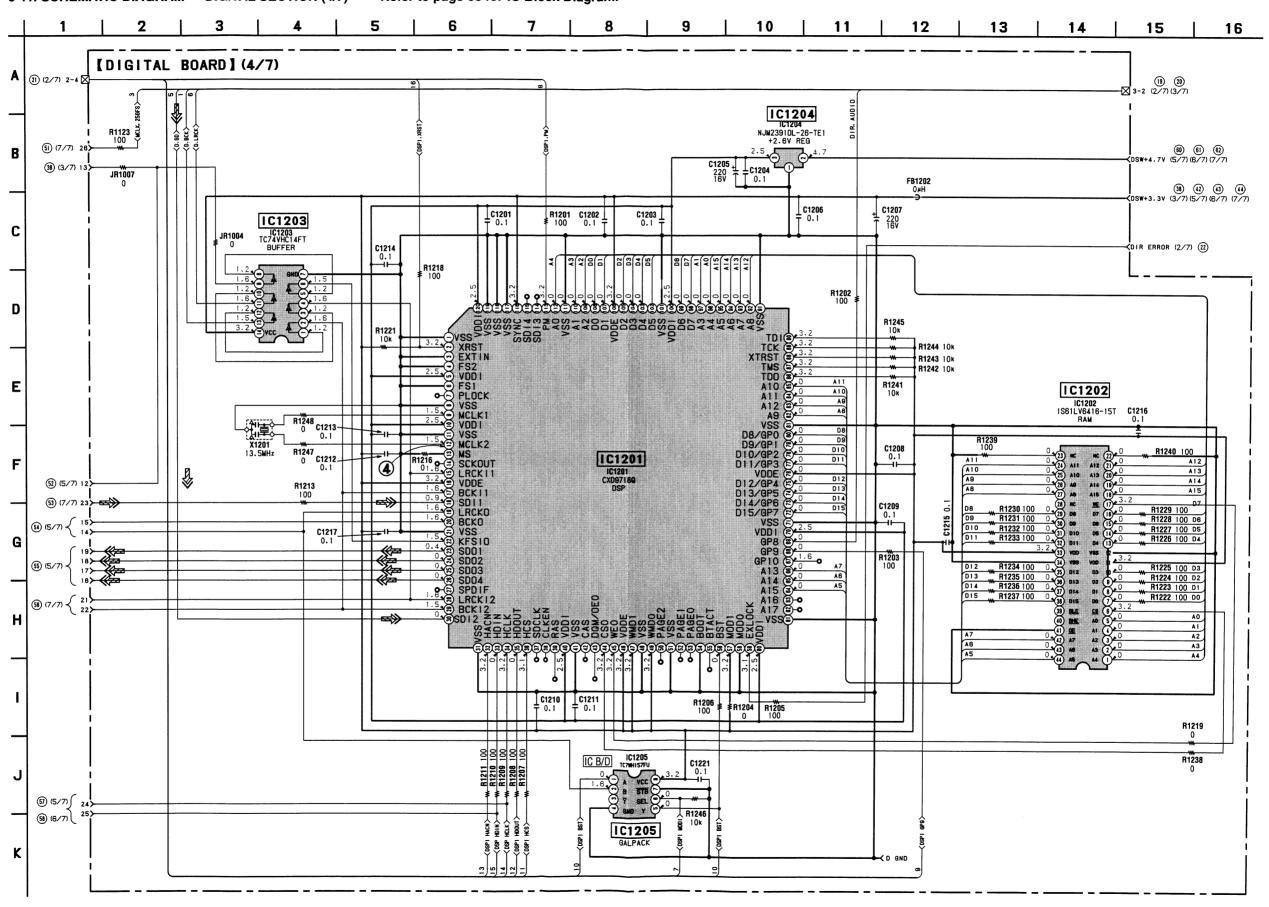
• Refer to page 28 for Waveform.
6-9. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/7) — • Refer to page 66 for IC Block Diagram.



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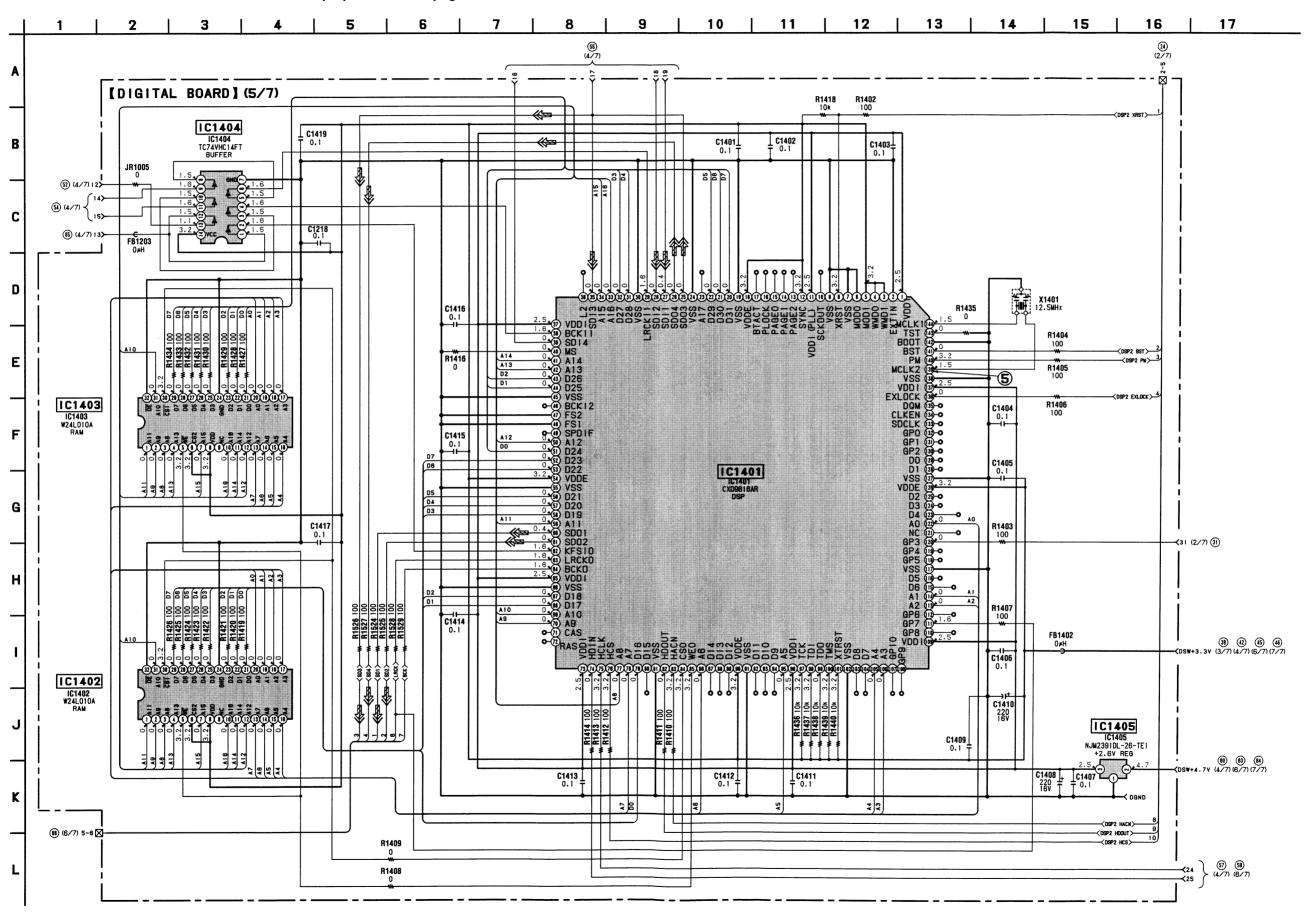
• Refer to page 28 for Waveform. 6-11. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/7) — • Refer to page 66 for IC Block Diagram.



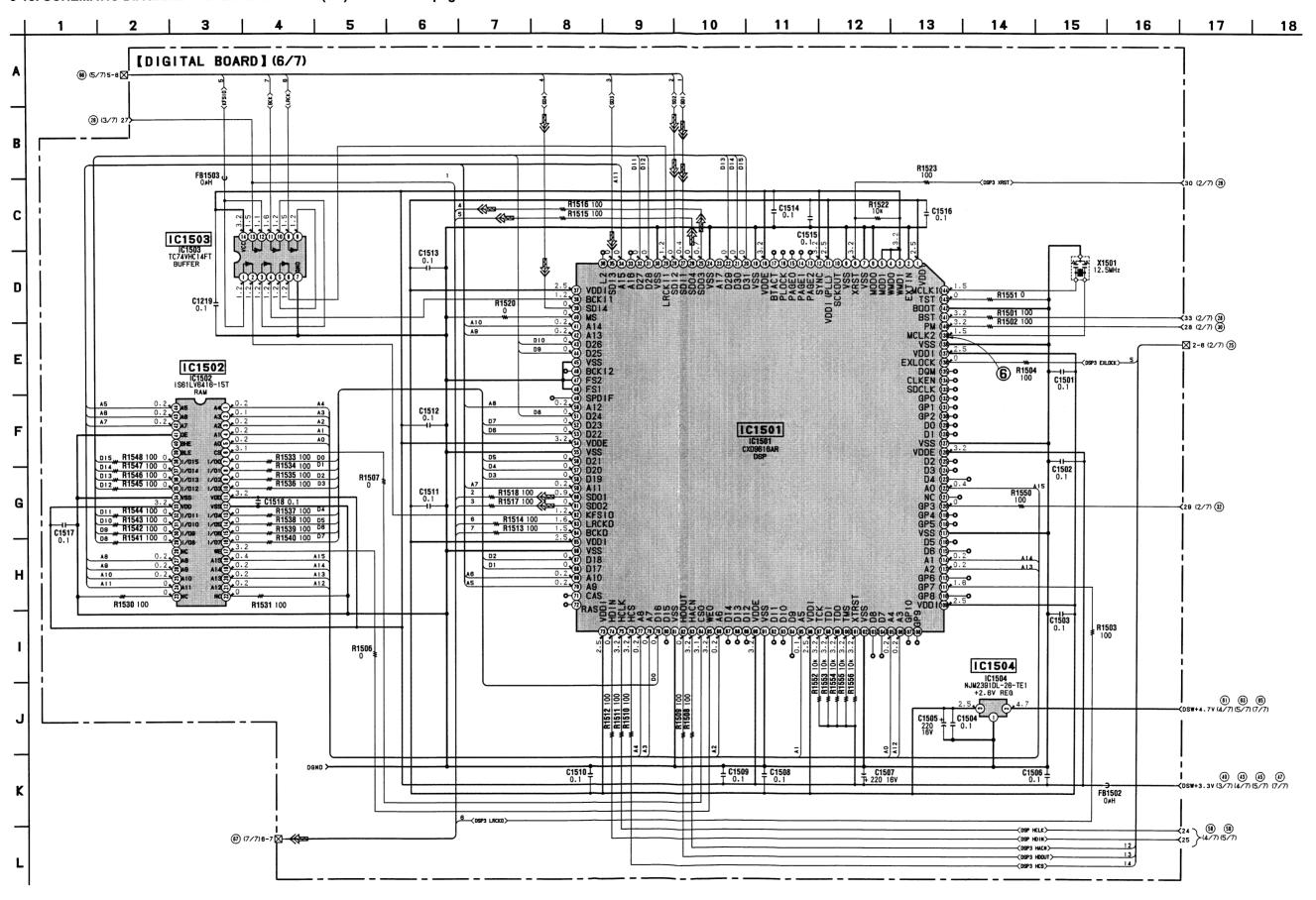
32

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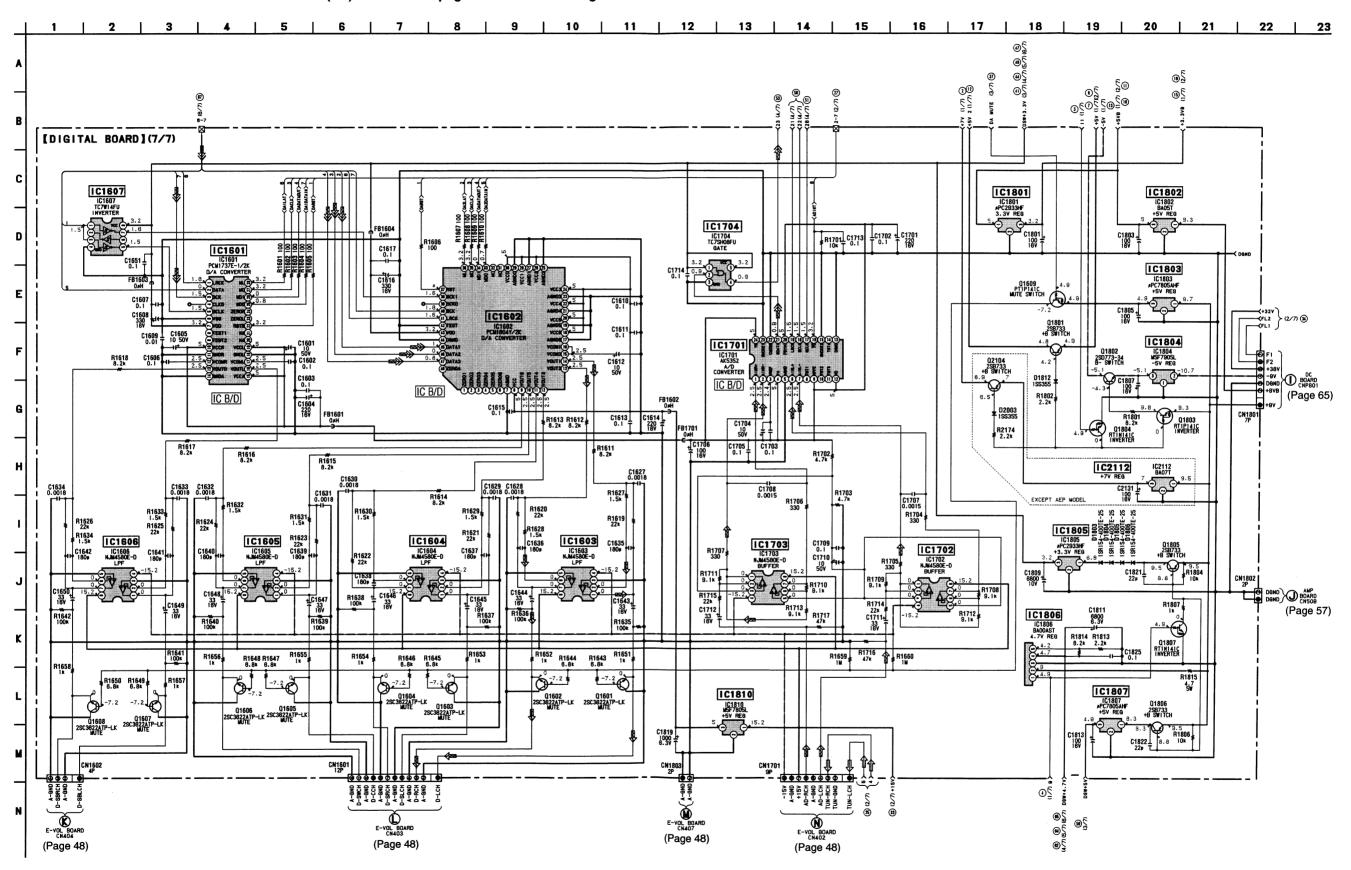
#### 6-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (5/7) — • Refer to page 28 for Waveform.



#### 6-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (6/7) — • Refer to page 28 for Waveform.

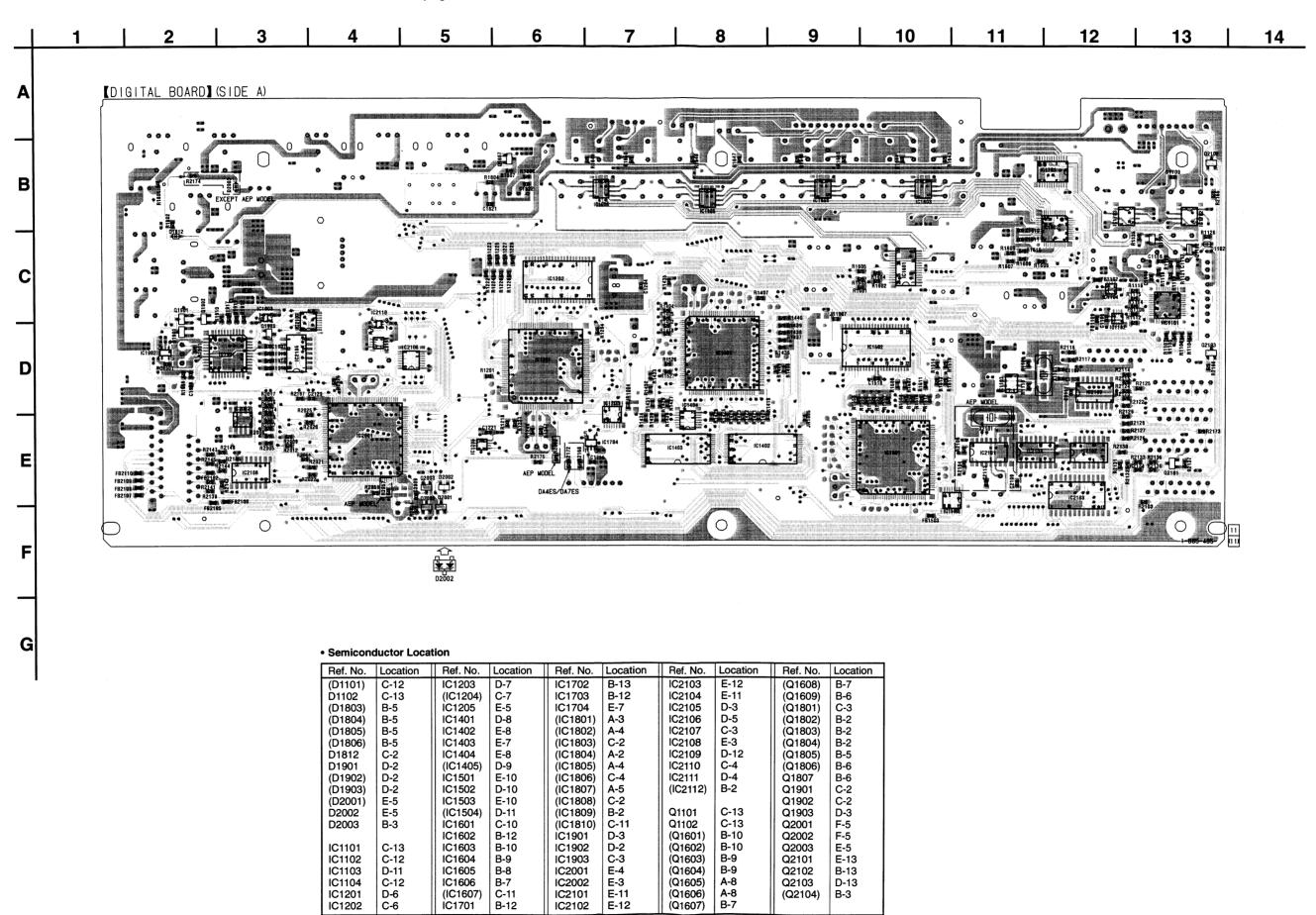


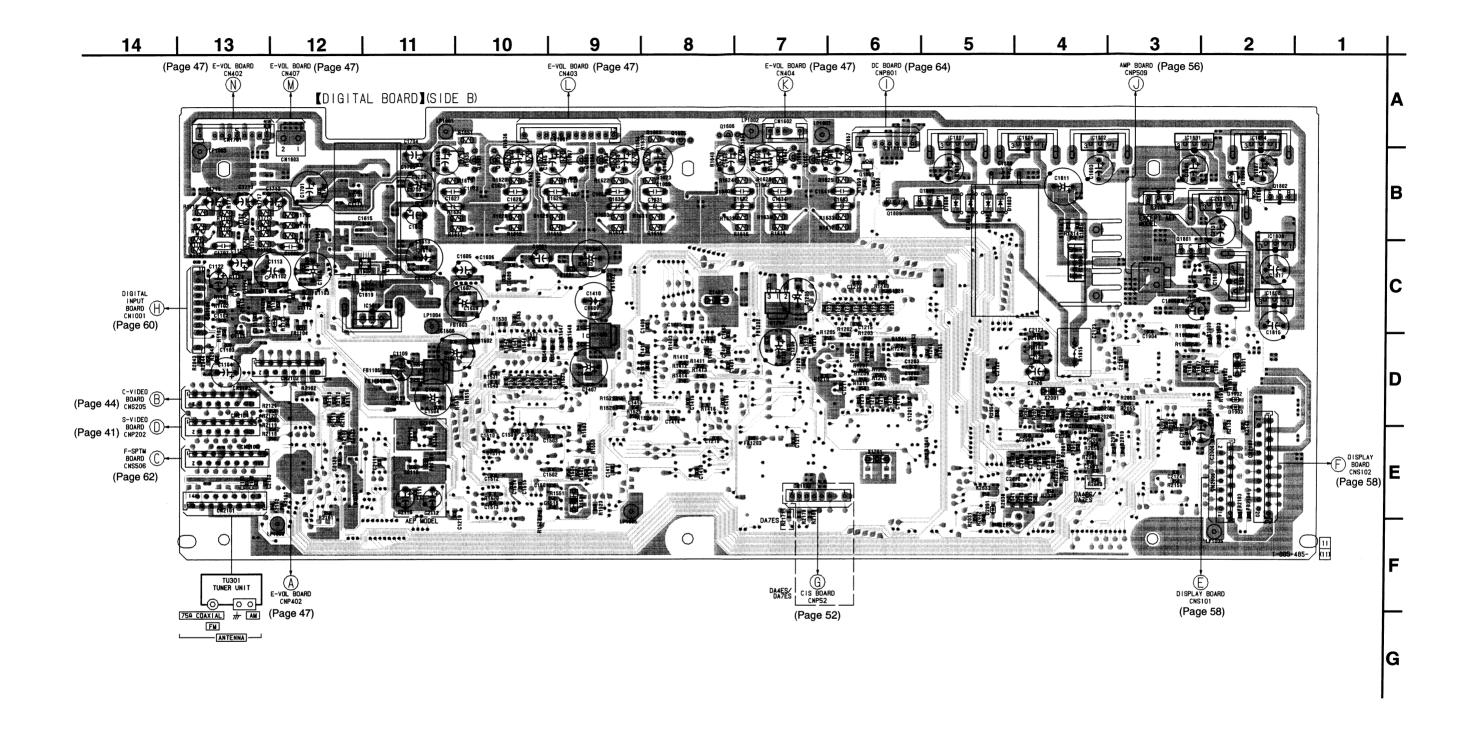
#### 6-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (7/7) — • Refer to page 66 for IC Block Diagrams.



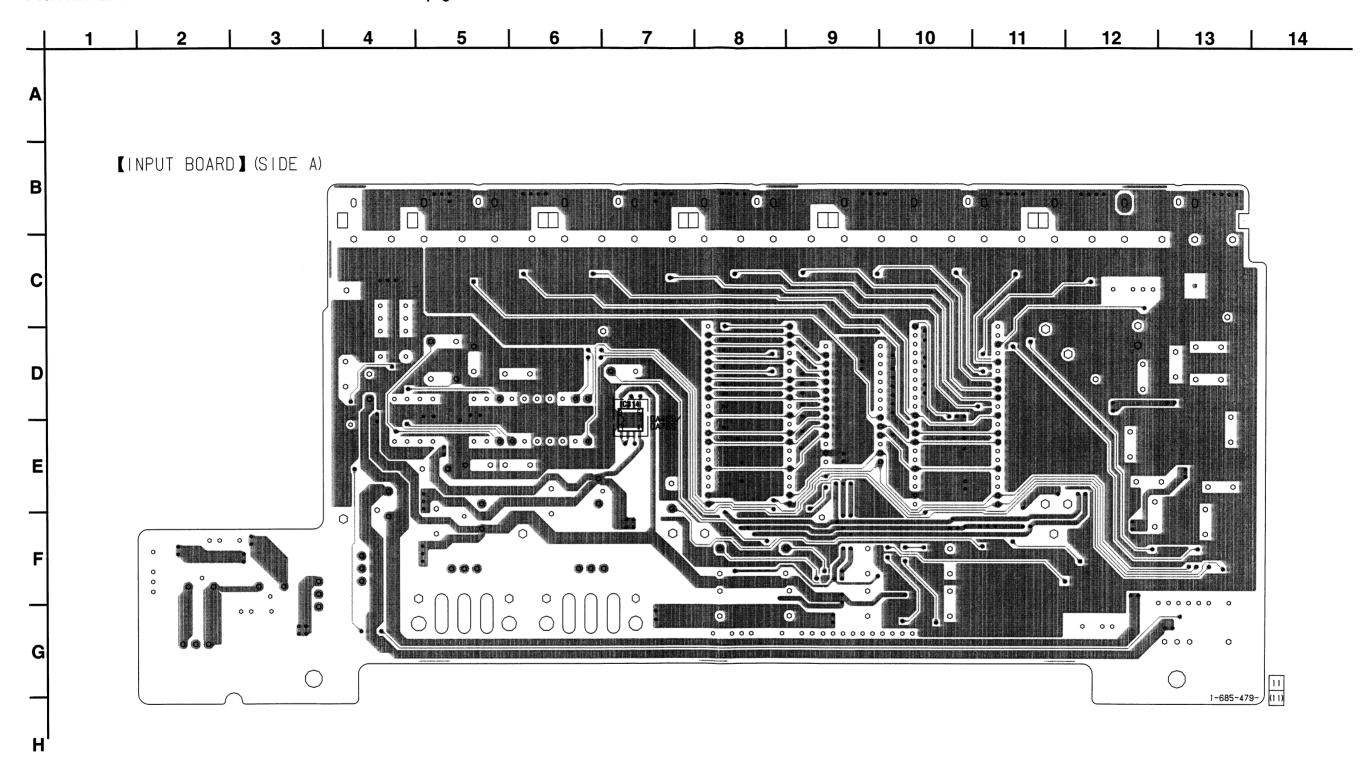
6-15. PRINTED WIRING BOARD — DIGITAL SECTION — • Refer to page 27 for Circuit Boards Location.

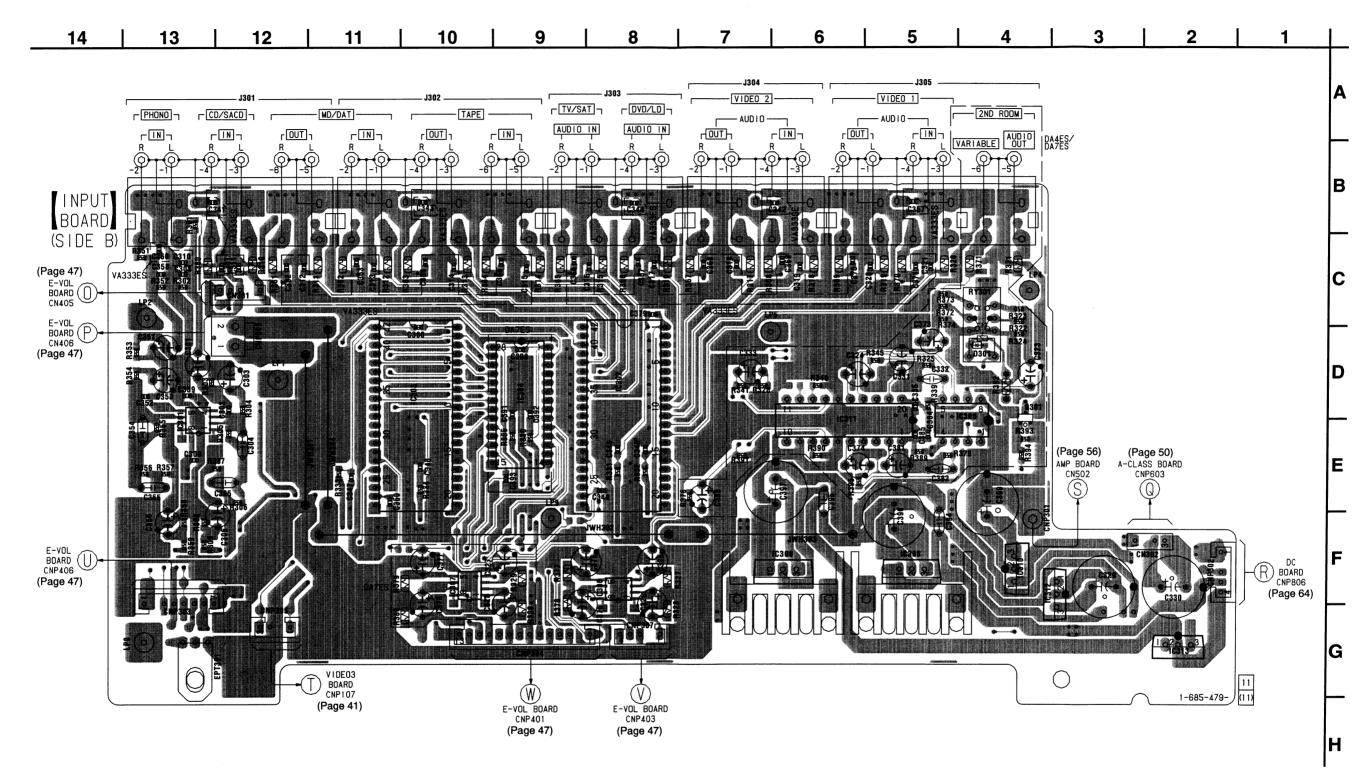
): SIDE B





6-16. PRINTED WIRING BOARD — INPUT SECTION — • Refer to page 27 for Circuit Boards Location.





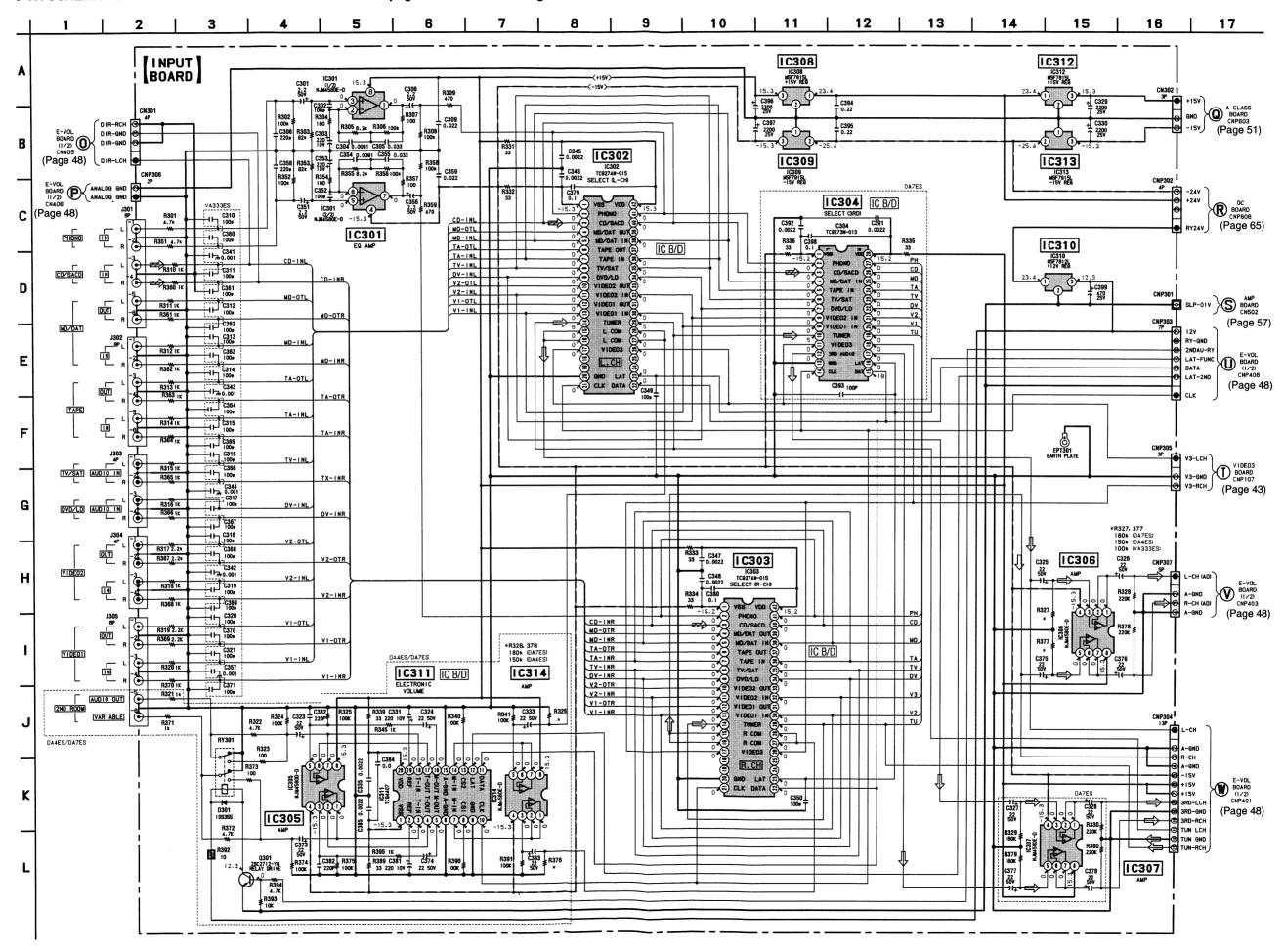
#### • Semiconductor Location

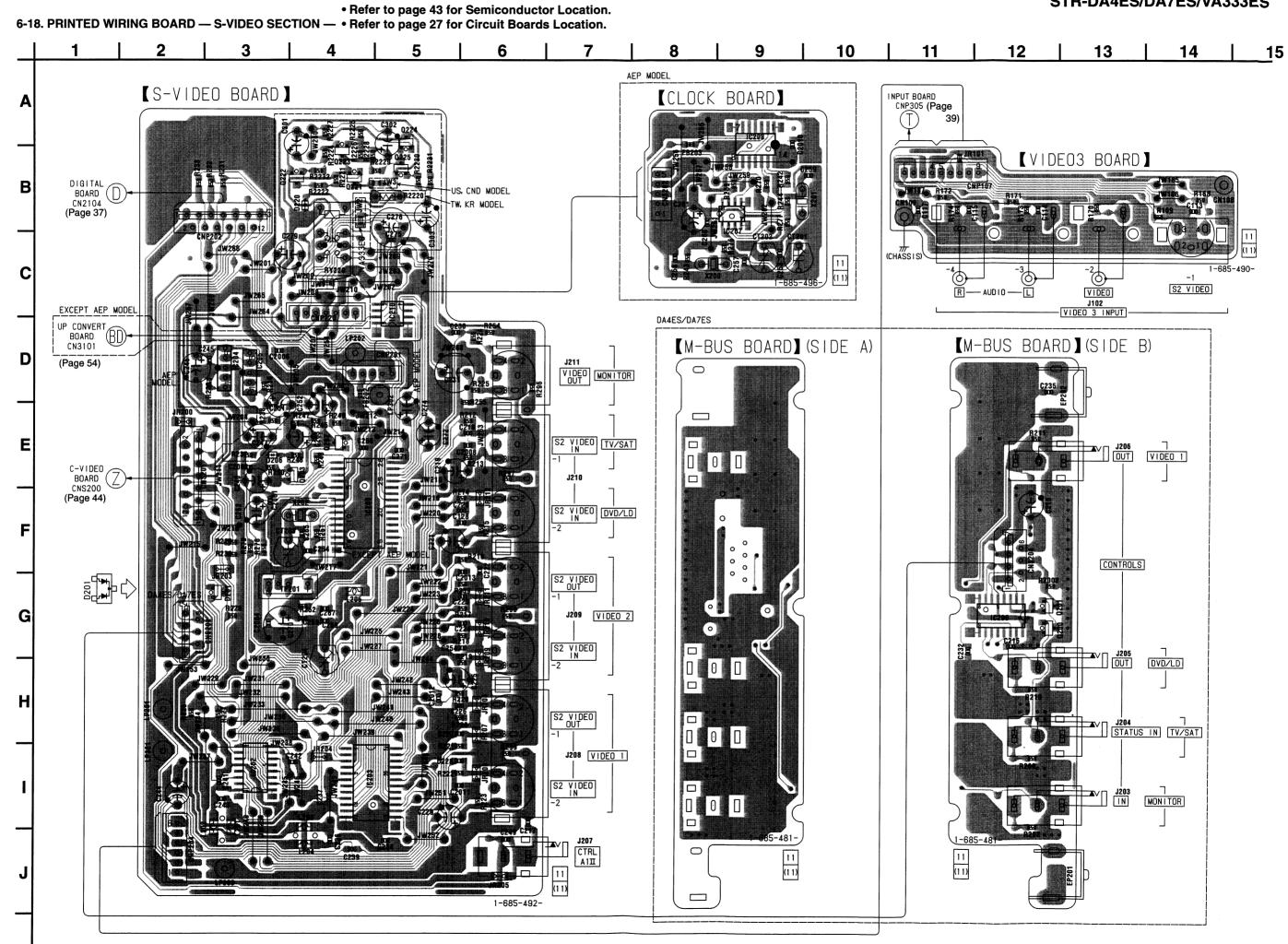
Ref. No.	Location	Ref. No.	Location
D301	D-4	IC308	F-5
		IC309	F-6
IC301	D-13	IC310	F-4
IC302	D-8	IC311	D-6
IC303	D-10	IC312	F-4
IC304	D-9	IC313	G-2
IC305	D-4	(IC314)	E-7
IC306	F-8		
IC307	F-10	Q301	D-4

( ): SIDE A

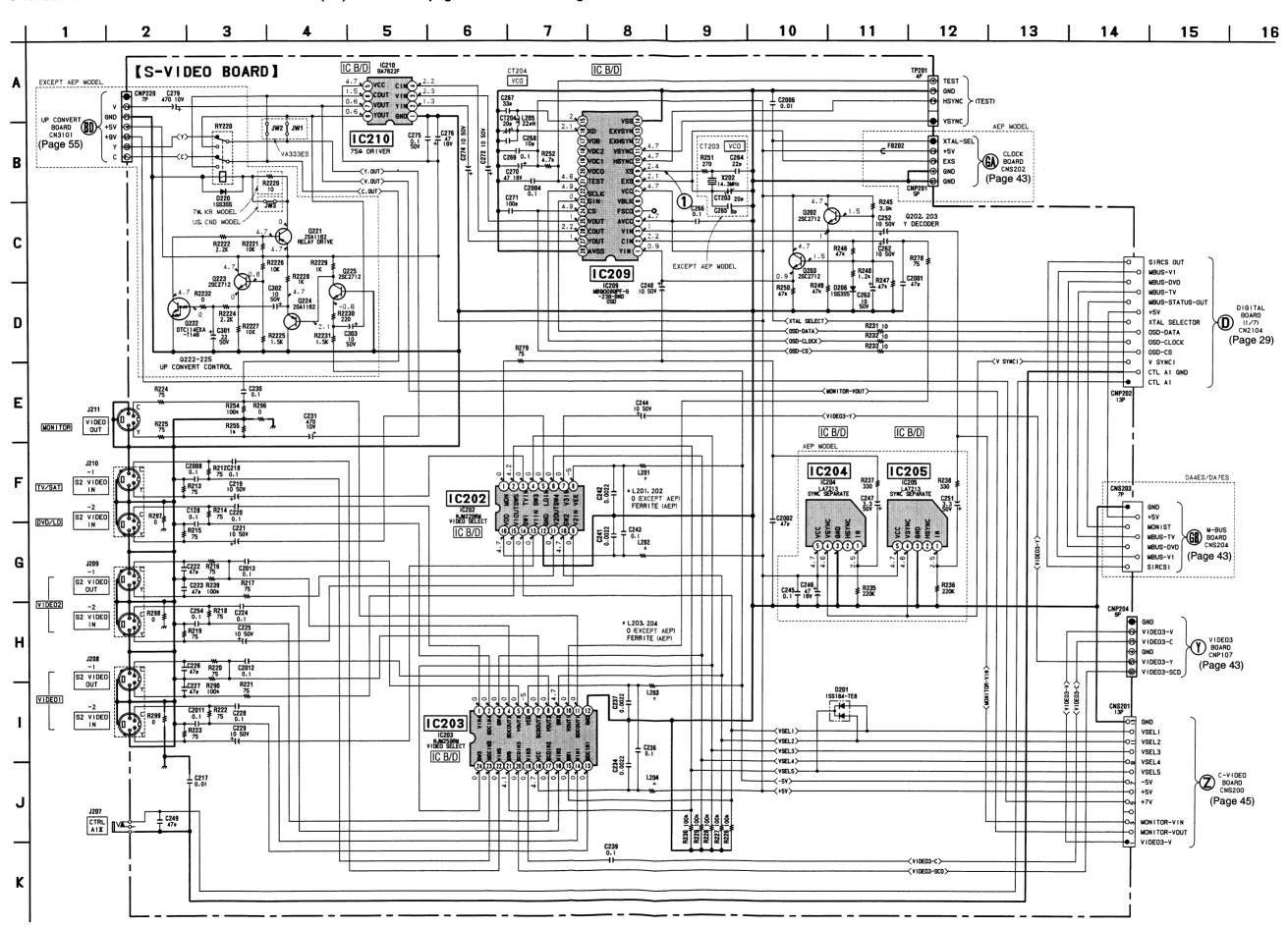
39







• Refer to page 28 for Waveform.
6-19. SCHEMATIC DIAGRAM — S-VIDEO SECTION (1/2) — • Refer to page 69 for IC Block Diagrams.

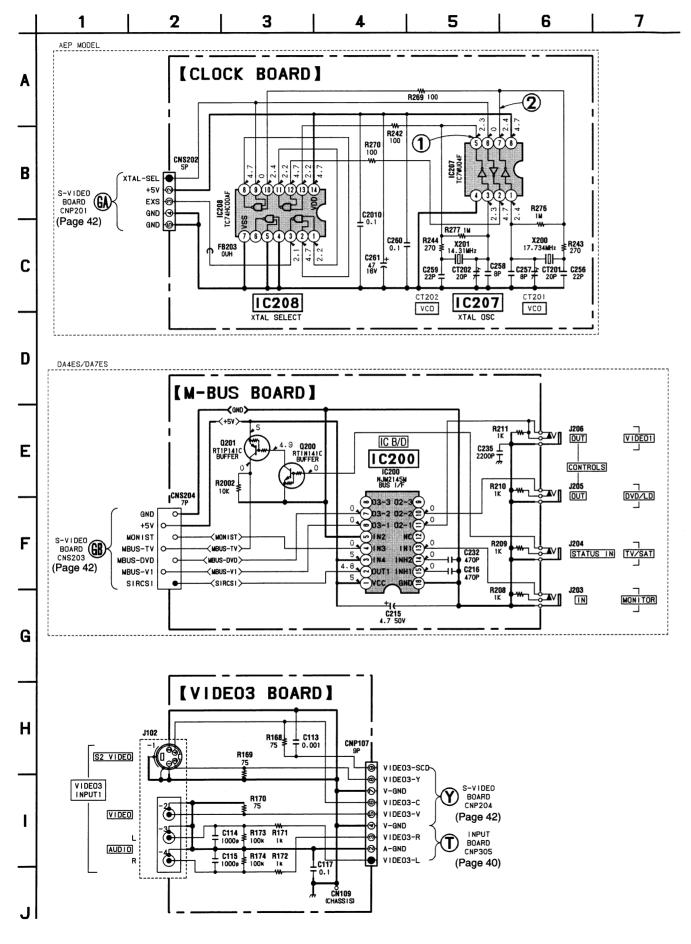


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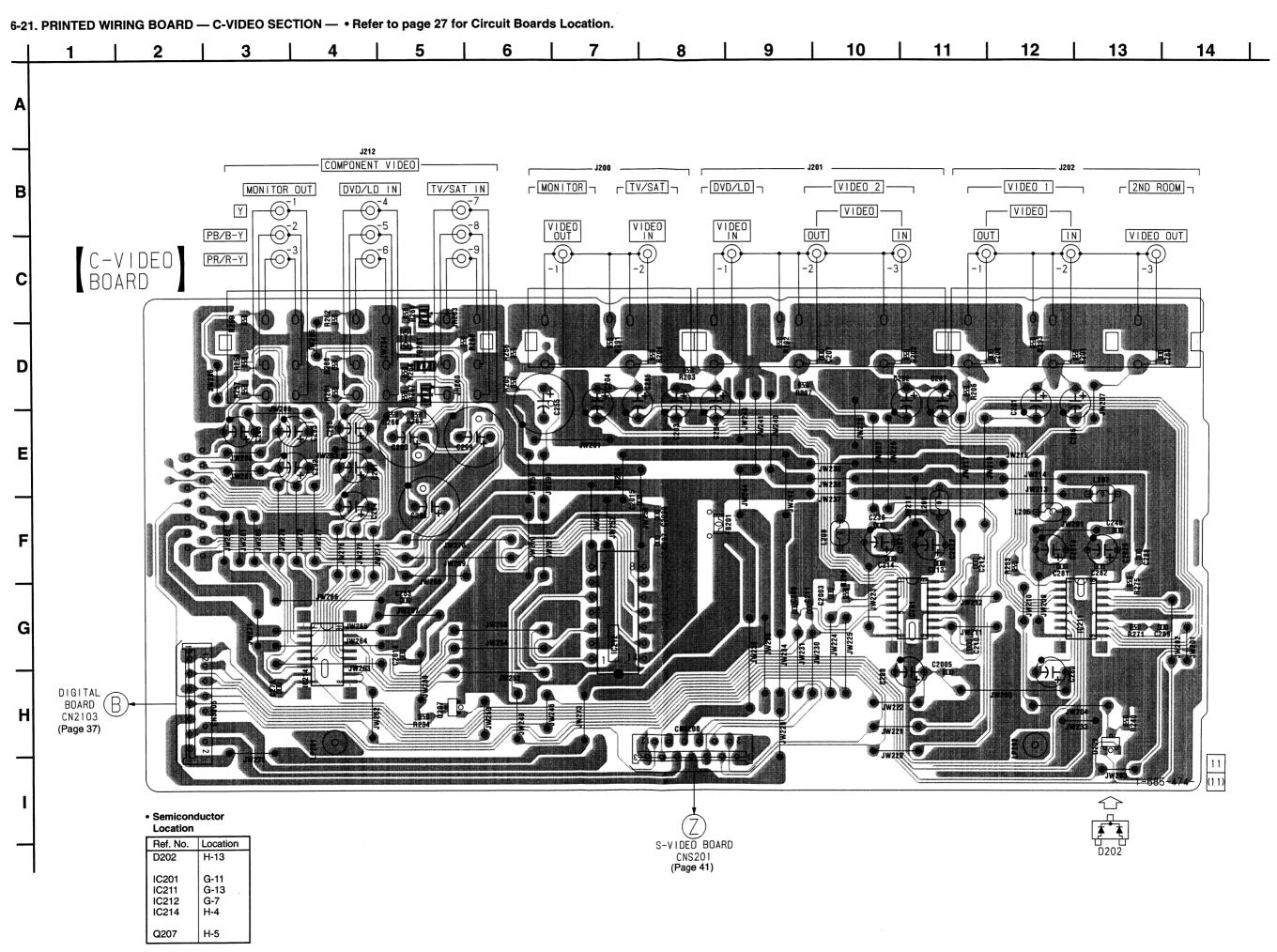
## STR-DA4ES/DA7ES/VA333ES

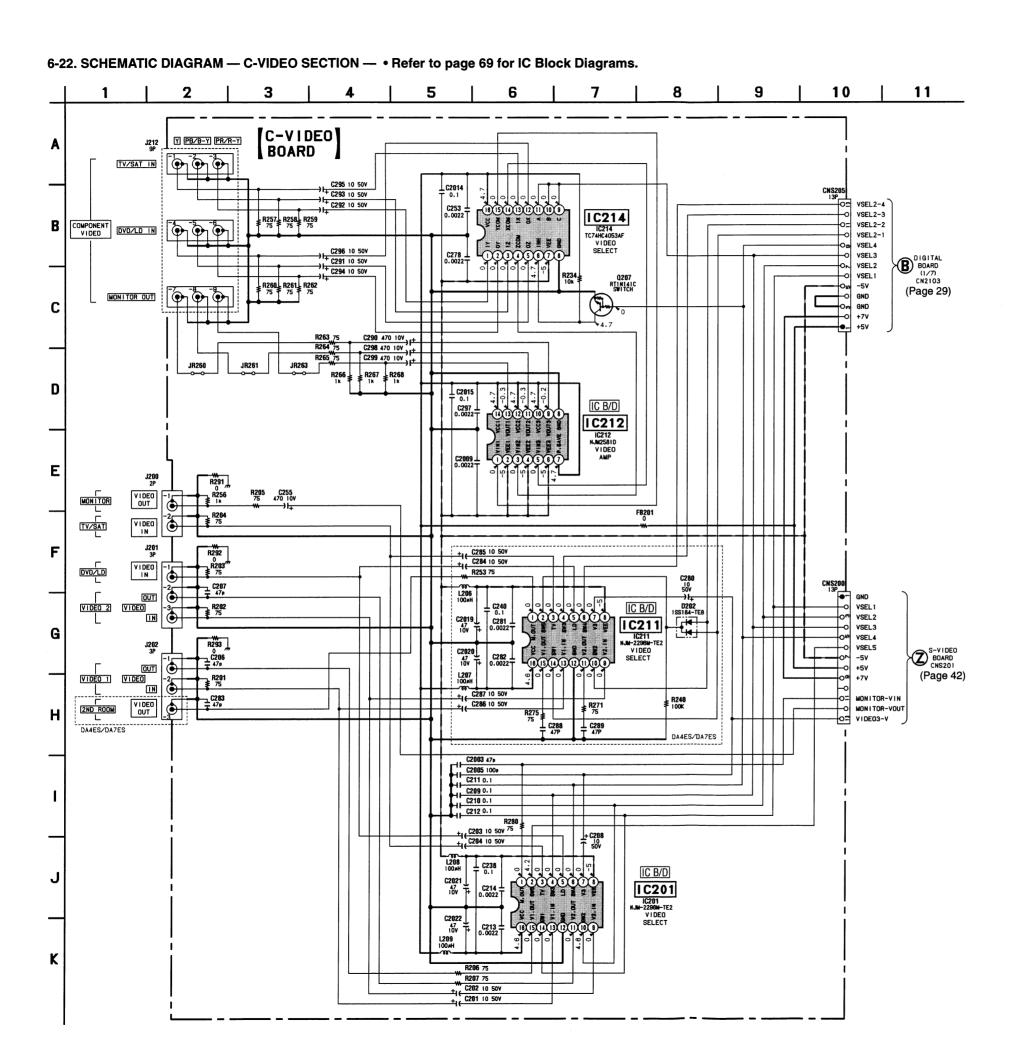




#### Semiconductor Location

Ref. No.	Location
D201	G-3
D206	E-3
D220	B-4
IC200	G-12
IC202	I-3
IC203	1-4
IC204	D-3
IC205	D-3
IC207	B-9
IC208 IC209	A-9 F-4
IC209	C-5
10210	0-3
Q200	G-12
Q201	G-12
Q202	E-4
Q203	E-4
Q221 Q222	B-4 B-4
Q222 Q223	B-4
Q224	A-5
Q225	B-5
	I





В

C

D

E

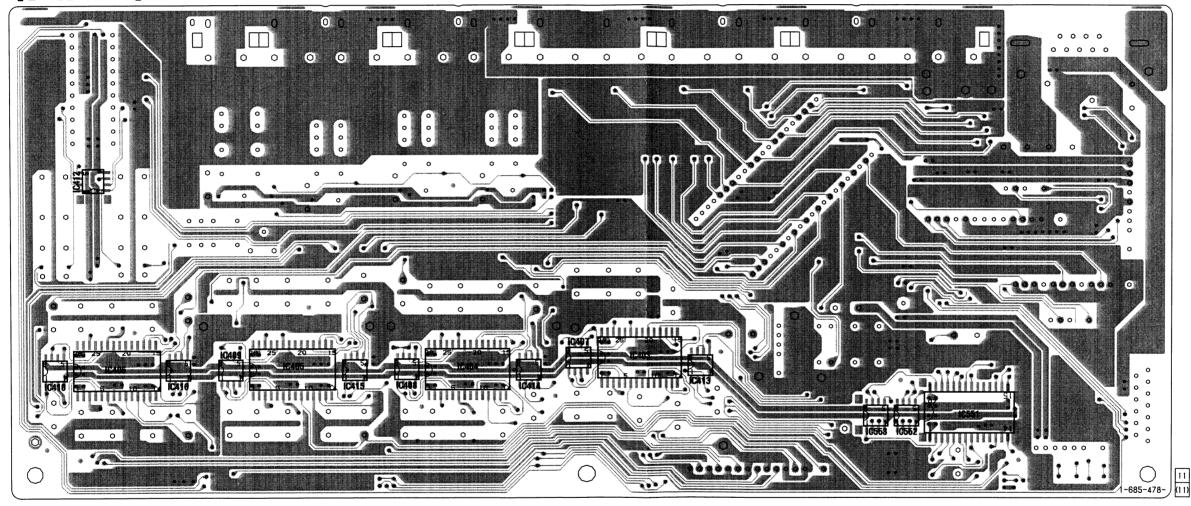
G

H

6-23. PRINTED WIRING BOARD — E-VOL SECTION — • Refer to page 27 for Circuit Boards Location.

5 13 14 6 8 9 10 11 12 3

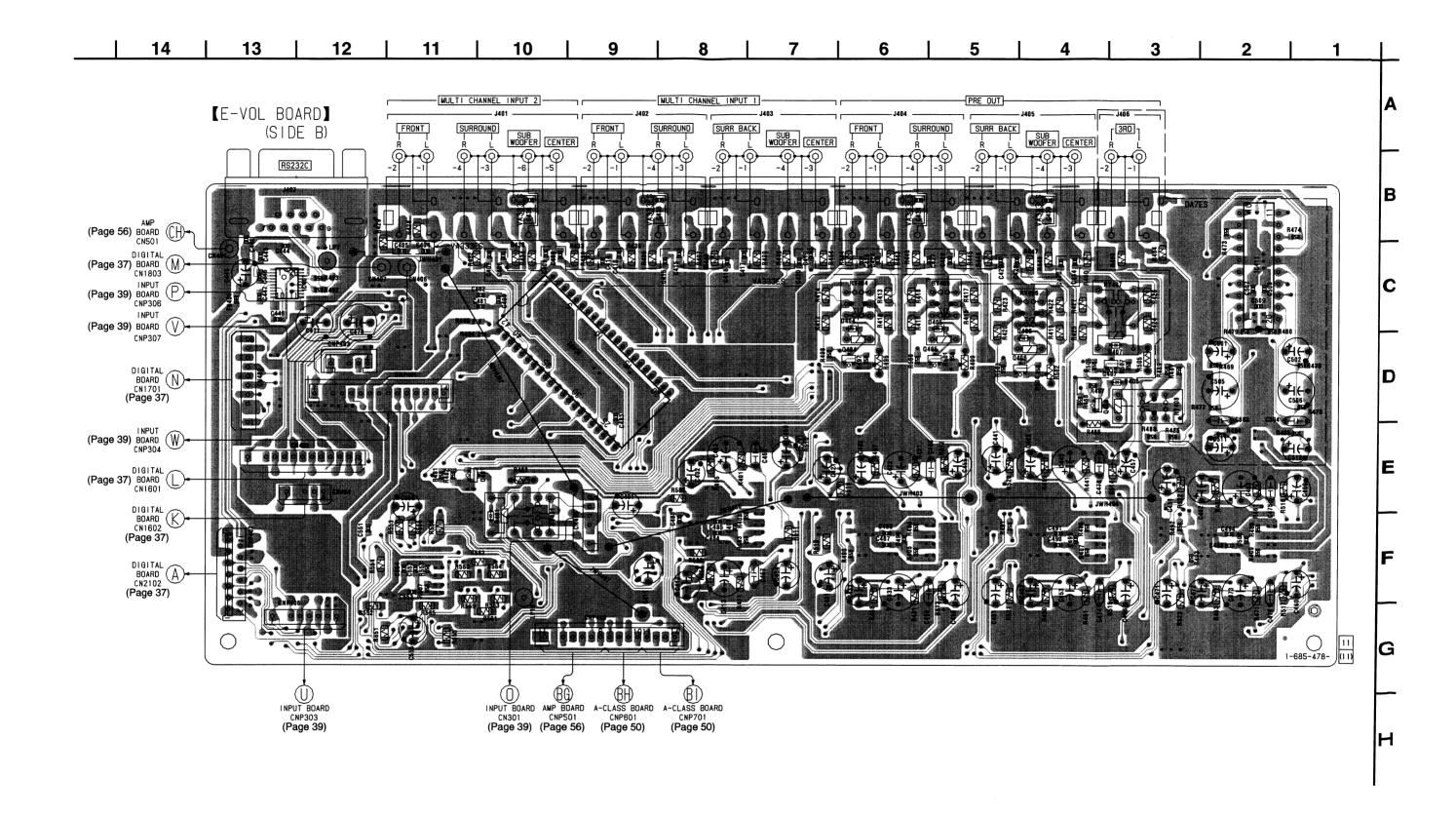
[E-VOL BOARD](SIDE A)



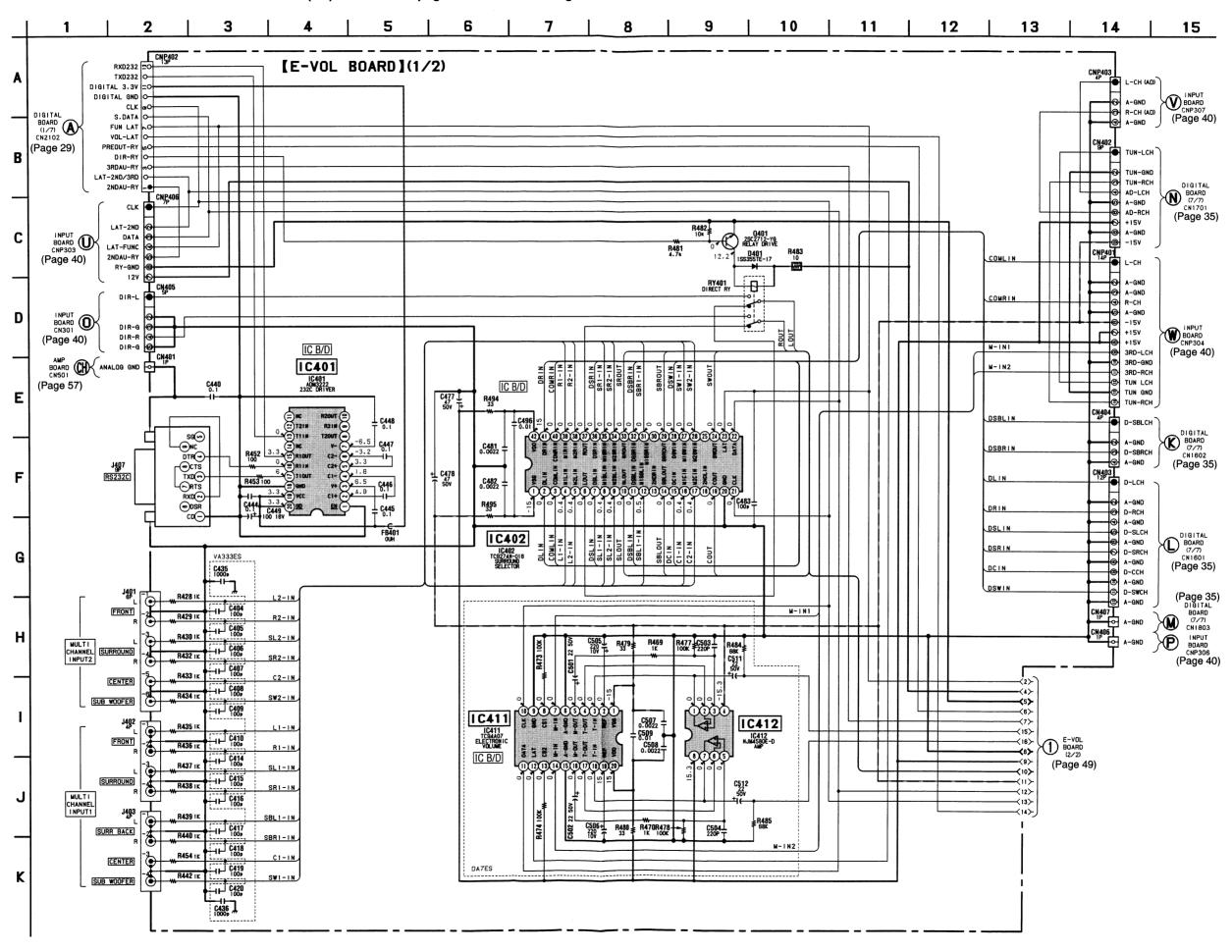
#### Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
(D401)	F-10	IC405	F-4	IC416	F-3
(D404)	C-6	IC406	F-2	IC551	F-11
(D405)	C-5	IC407	F-7	IC552	F-11
(D406)	D-4	IC408	F-5	IC553	F-10
(D407)	D-3	IC409	F-3		
(D408)	D-3	IC410	F-1	(Q401)	E-10
		(IC411)	C-2	(Q404)	D-6
(IC401)	C-13	IC412	D-2	(Q405)	D-5
(IC402)	D-9	IC413	F-8	(Q406)	D-4
IC403	F-8	IC414	F-6	(Q407)	D-3
IC404	F-6	IC415	F-5	(Q408)	D-4

): SIDE B



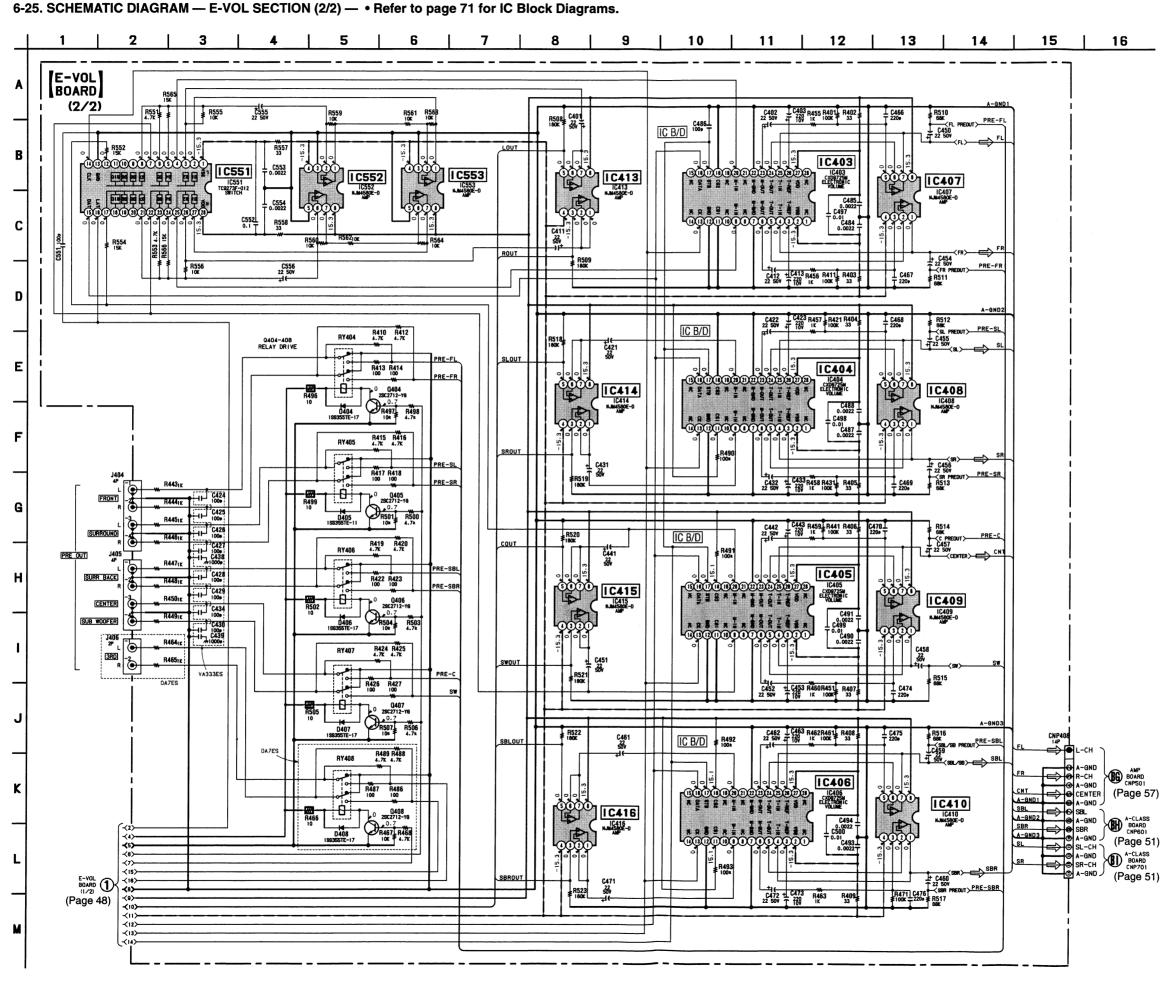
6-24, SCHEMATIC DIAGRAM — E-VOL SECTION (1/2) — • Refer to page 68 for IC Block Diagrams.



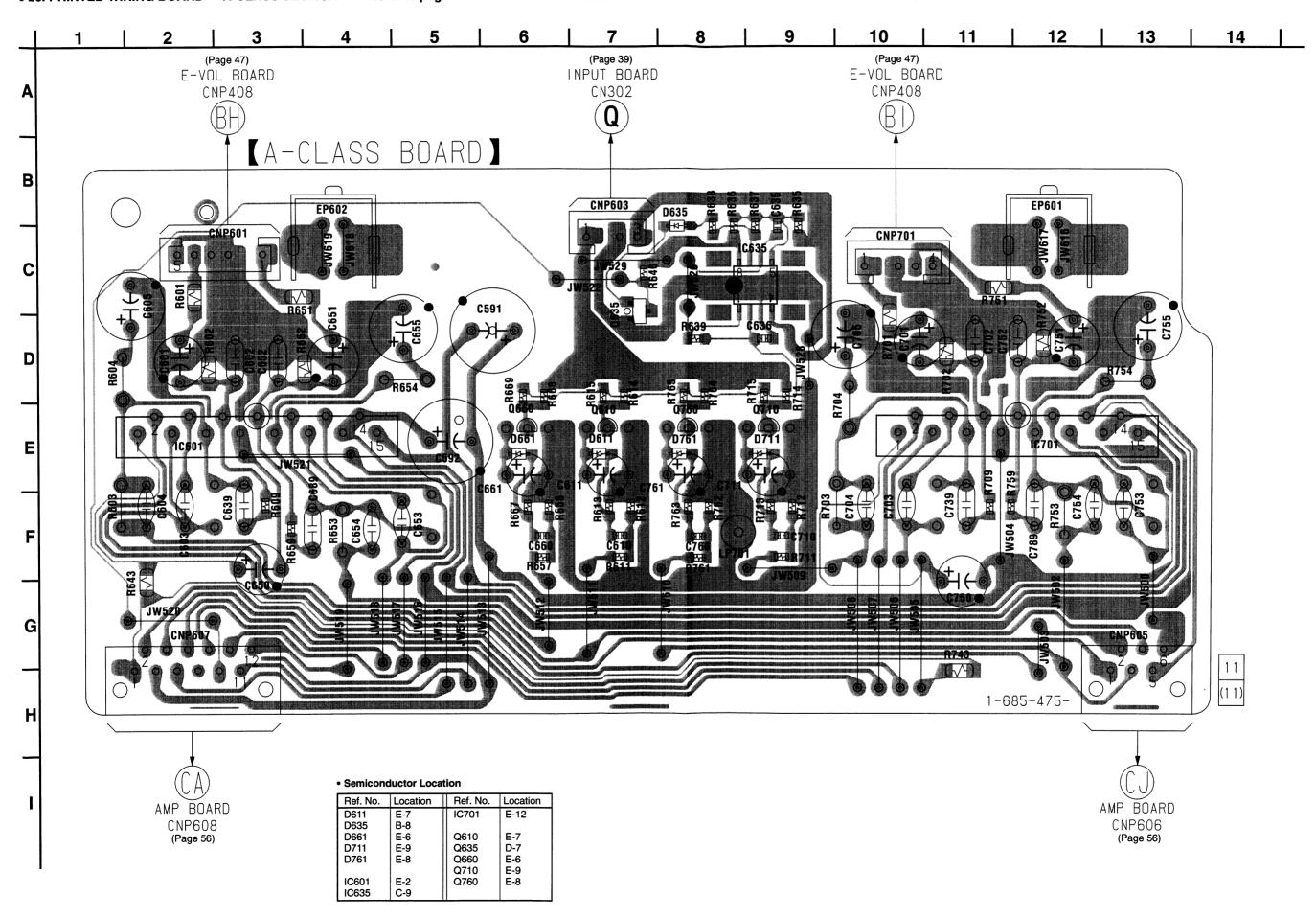
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## STR-DA4ES/DA7ES/VA333ES

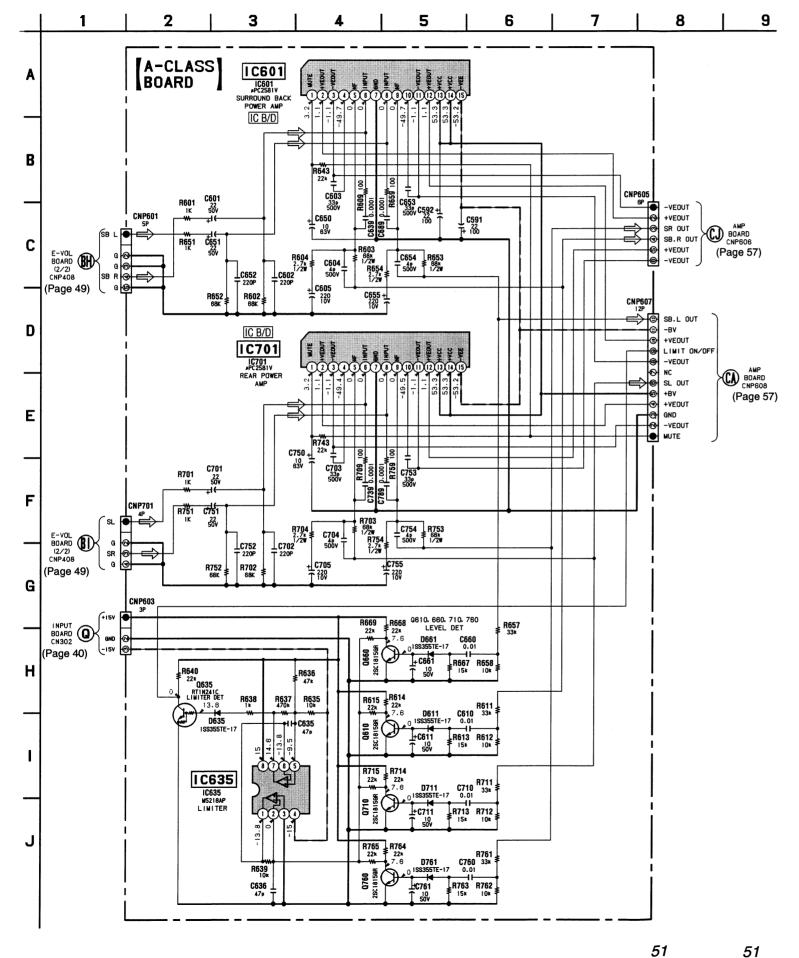


6-26. PRINTED WIRING BOARD — A-CLASS SECTION — • Refer to page 27 for Circuit Boards Location.

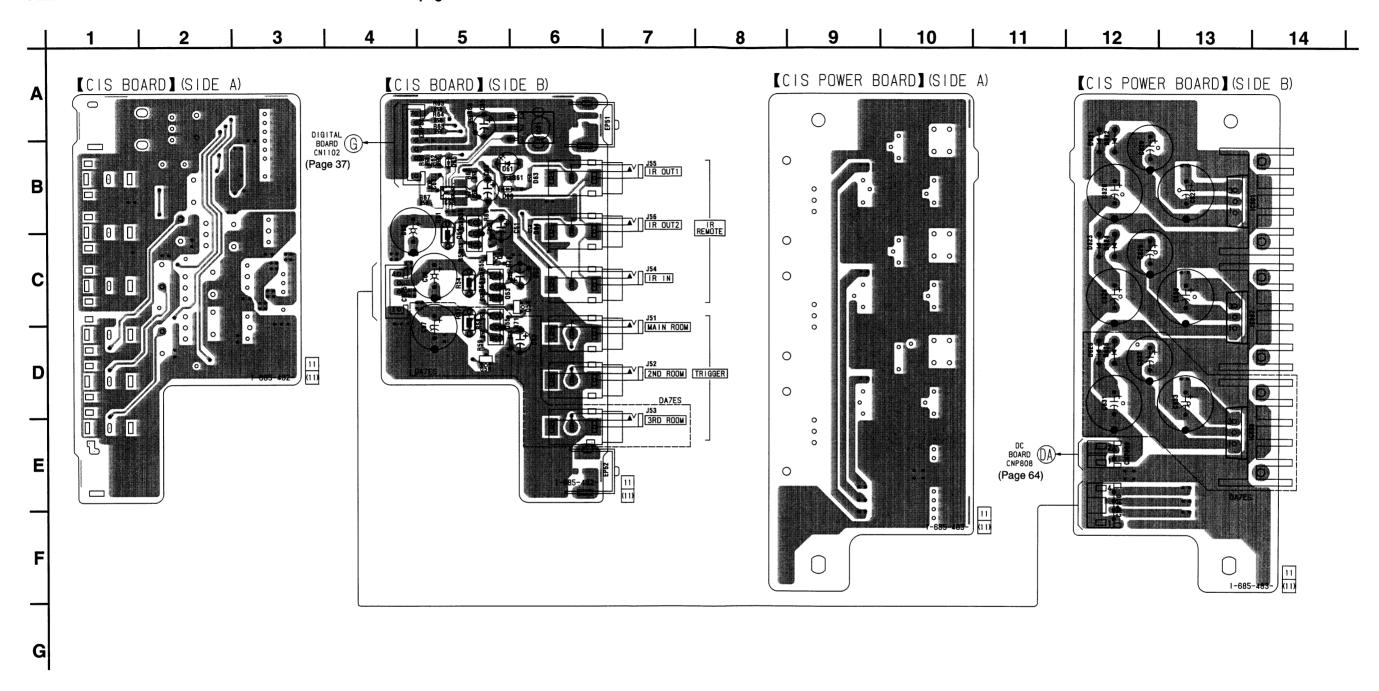


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## 6-27. SCHEMATIC DIAGRAM — A-CLASS SECTION — • Refer to page 70 for IC Block Diagrams.



6-28. PRINTED WIRING BOARDS — CIS SECTION — • Refer to page 27 for Circuit Boards Location.

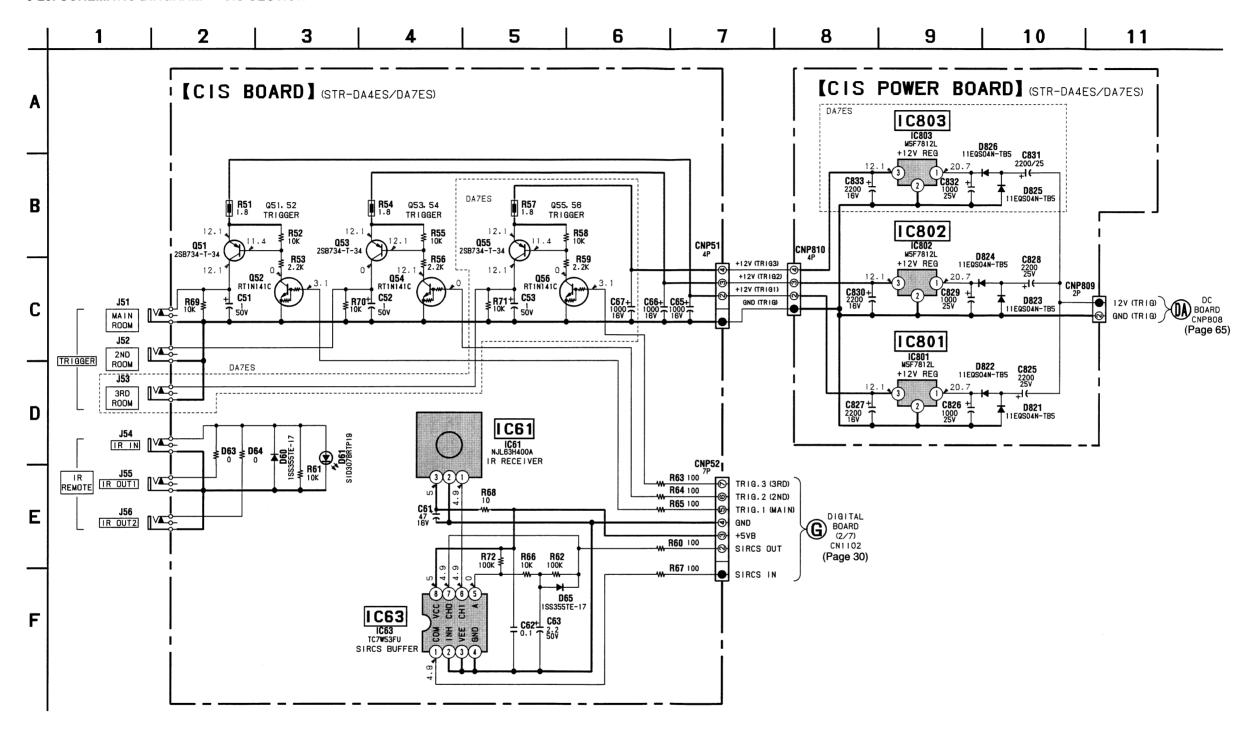


#### • Semiconductor Location

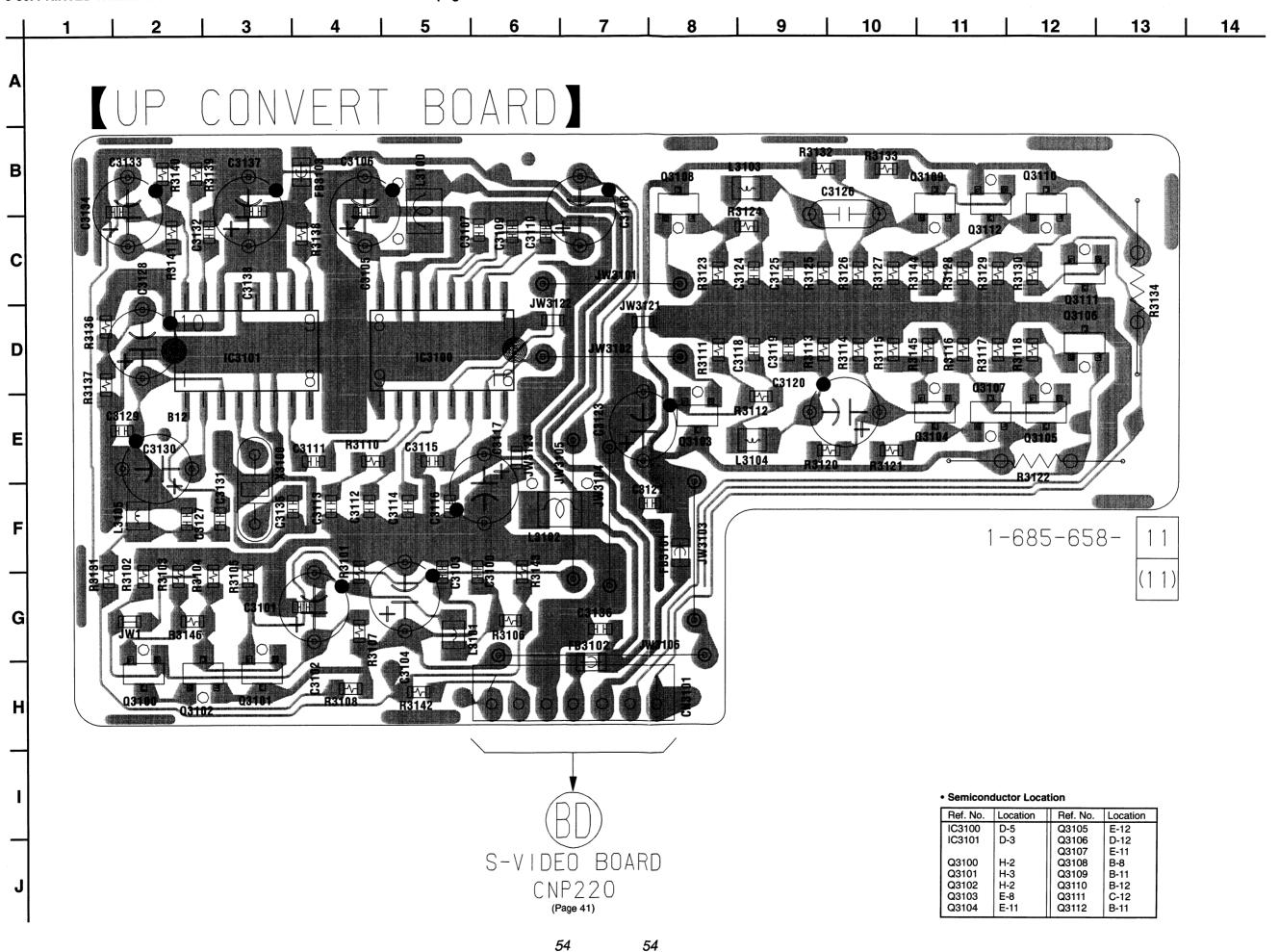
Ref. No.	Location	Ref. No.	Location
D60	B-5	IC63	B-5
D61	B-5	IC801	B-13
D65	B-5	IC802	C-13
D821	A-12	IC803	E-13
D822	A-12		
D823	C-12	Q51	C-5
D824	C-12	Q52	C-5
D825	D-12	Q53	C-5
D826	D-12	Q54	C-6
		Q55	D-5
IC61	A-6	Q56	D-5

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## 6-29. SCHEMATIC DIAGRAM — CIS SECTION —



6-30. PRINTED WIRING BOARD — UP CONVERT SECTION — • Refer to page 27 for Circuit Boards Location.

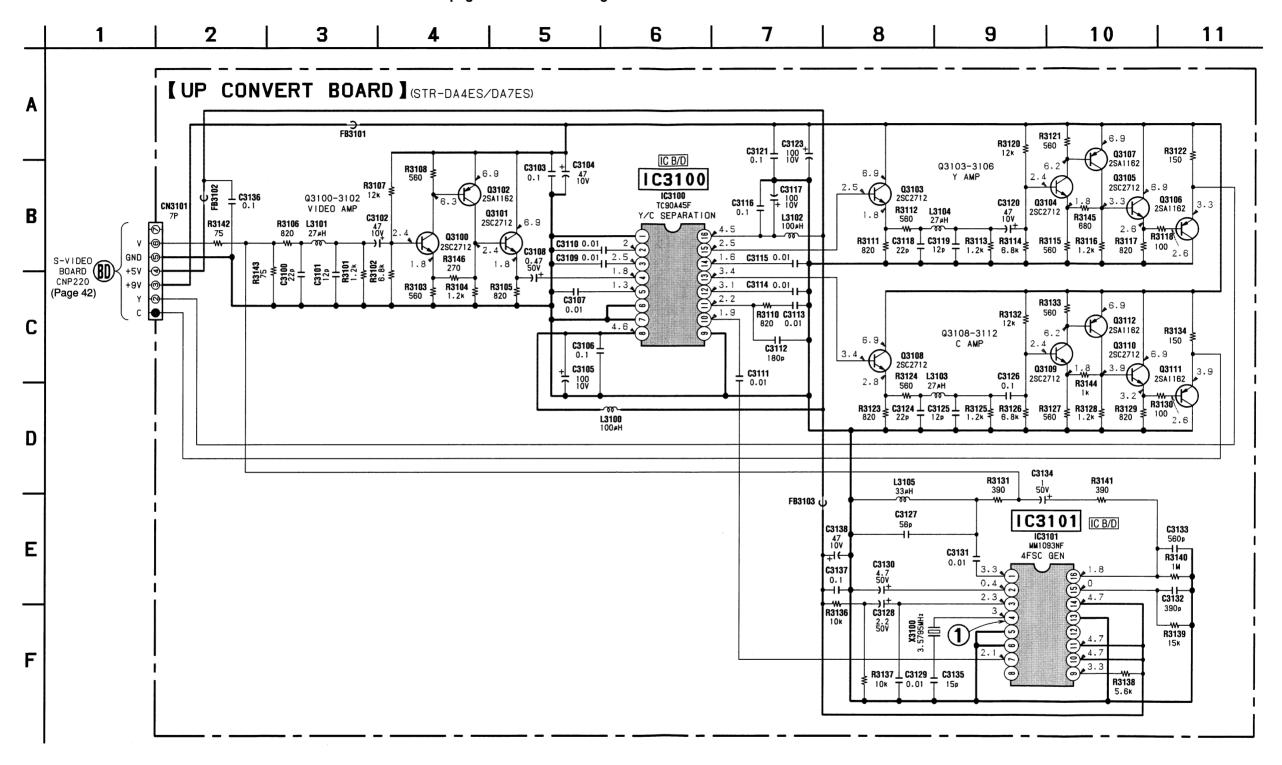


Published in Heiloo, Holland.

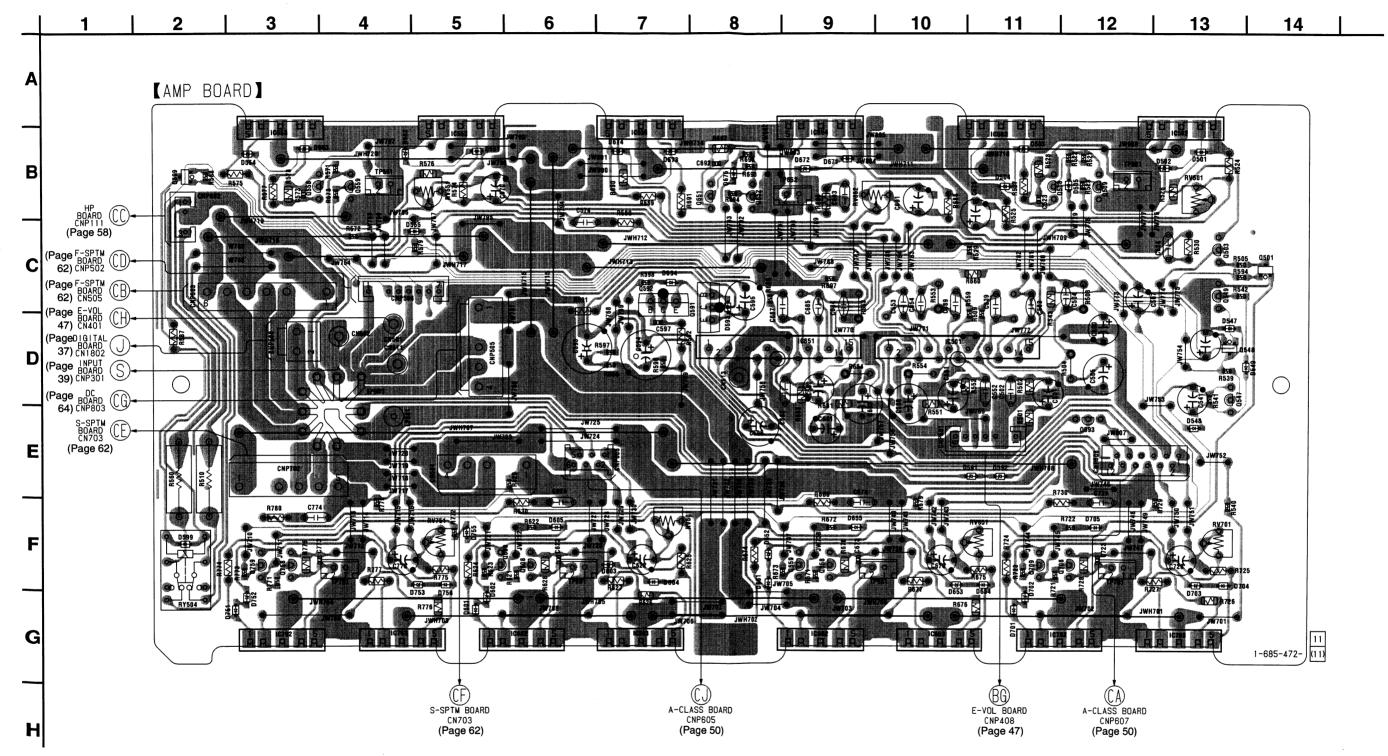
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## Refer to page 28 for Waveform.

6-31. SCHEMATIC DIAGRAM — UP CONVERT SECTION — • Refer to page 71 for IC Block Diagrams.

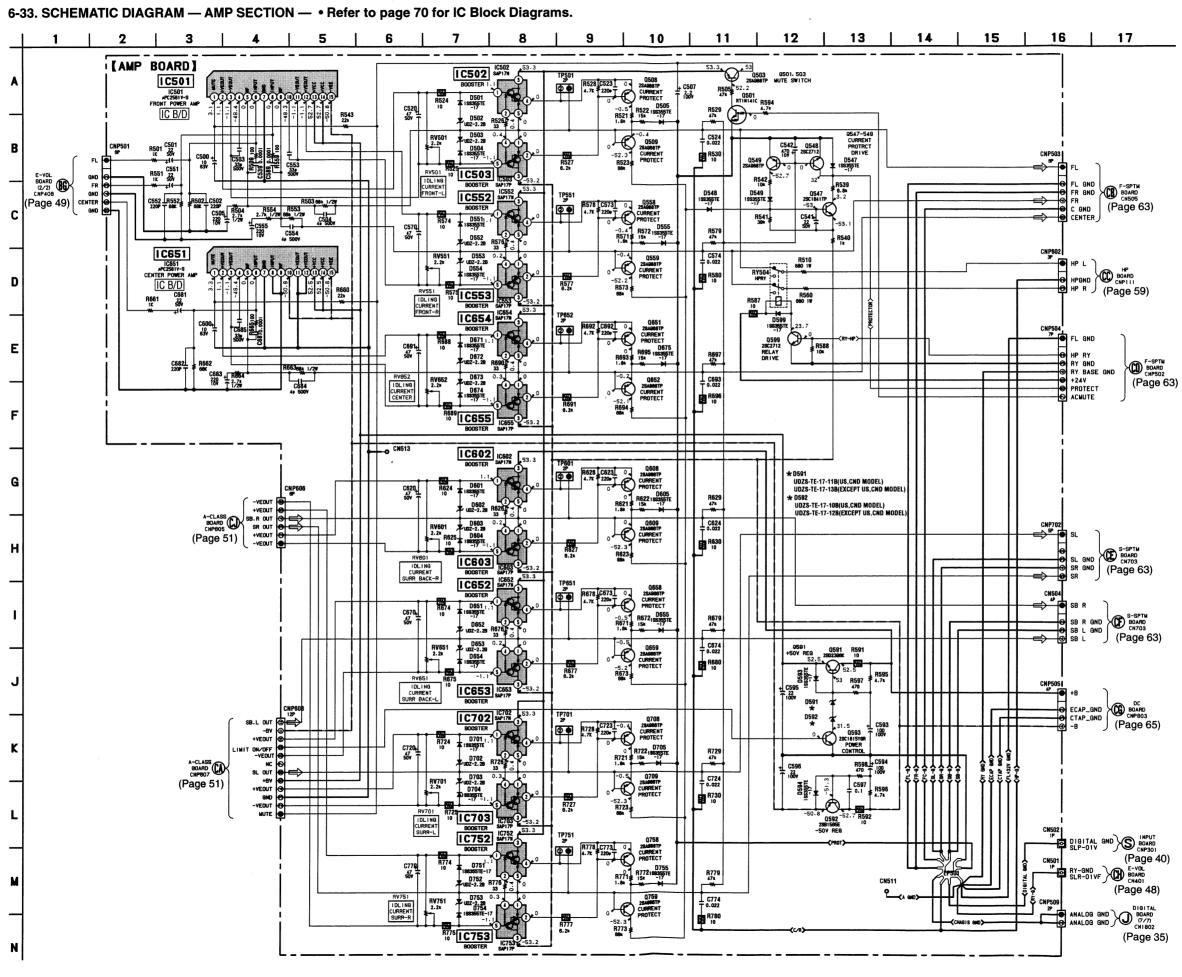


6-32. PRINTED WIRING BOARD — AMP SECTION — • Refer to page 27 for Circuit Boards Location.



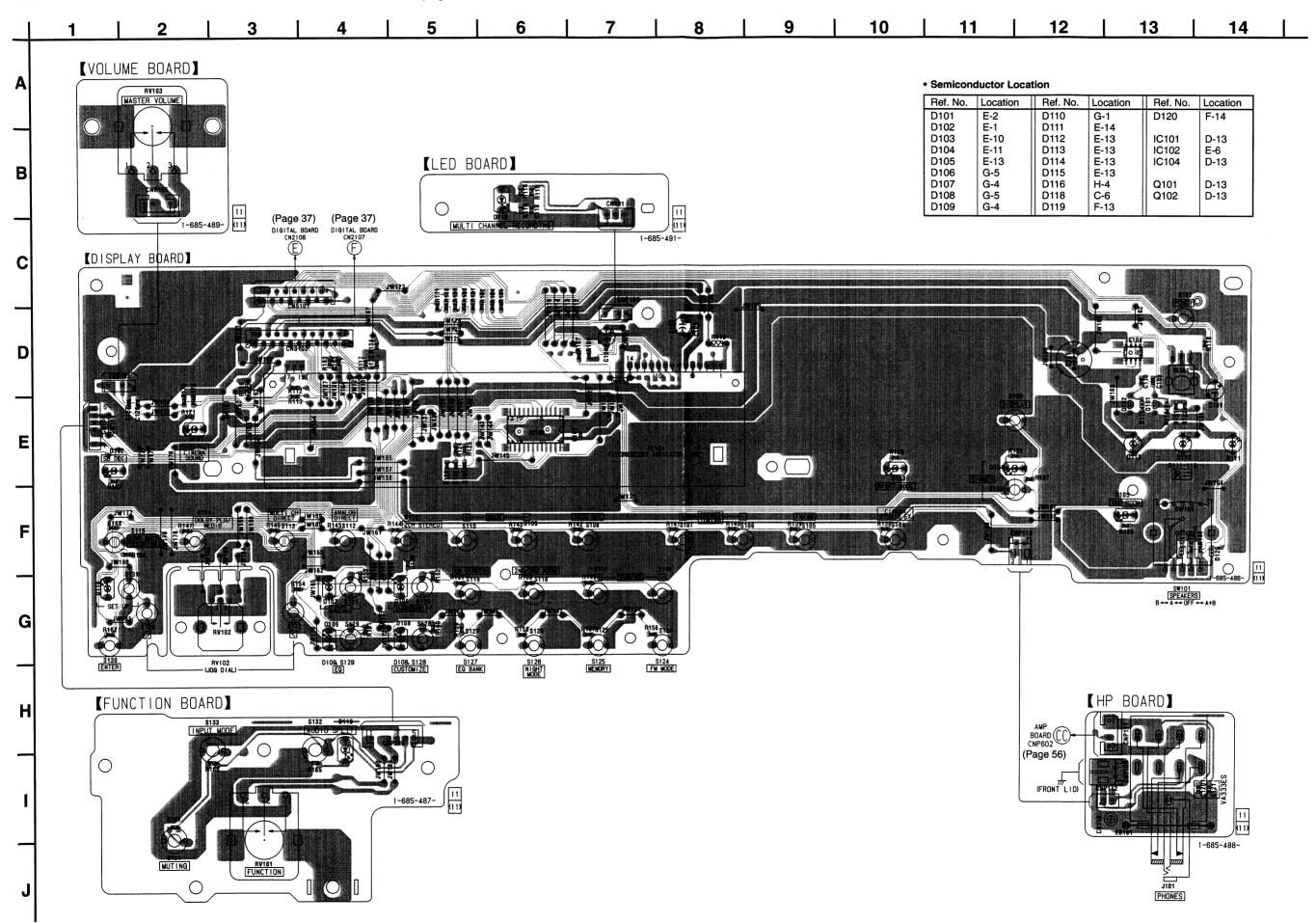
#### • Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	B-13	D555	C-5	D652	F-8	D704	F-13	IC553	B-3	Q501	C-14	Q599	B-2
D502	B-13	D591	E-11	D653	F-10	D705	F-12	IC602	G-6	Q503	C-13	Q608	F-6
D503	B-11	D592	E-11	D654	F-11	D751	G-3	IC603	G-7	Q508	B-11	Q609	F-5
D504	B-11	D593	D-8	D655	F-9	D752	G-3	IC651	D-9	Q509	B-12	Q651	B-8
D505	B-12	D594	C-7	D671	B-9	D753	F-5	IC652	G-9	Q547	D-13	Q652	B-8
D547	D-13	D599	F-2	D672	B-9	D754	F-5	IC653	G-10	Q548	D-13	Q658	F-9
D548	E-13	D601	G-5	D673	B-7	D755	F-5	IC654	B-9	Q549	C-13	Q659	F-9
D549	D-13	D602	G-5	D674	B-7			IC655	B-7	Q558	B-3	Q708	F-12
D551	B-5	D603	F-7	D675	B-8	IC501	D-10	IC702	G-11	Q559	B-4	Q709	F-11
D552	B-4	D604	F-7	D701	G-11	IC502	B-13	IC703	G-13	Q591	C-8	Q758	F-3
D553	B-3	D605	F-6	D702	G-11	IC503	B-11	IC752	G-3	Q592	C-7	Q759	F-3
D554	B-3	D651	F-8	D703	F-13	IC552	B-5	IC753	G-4	Q593	E-12		1 1



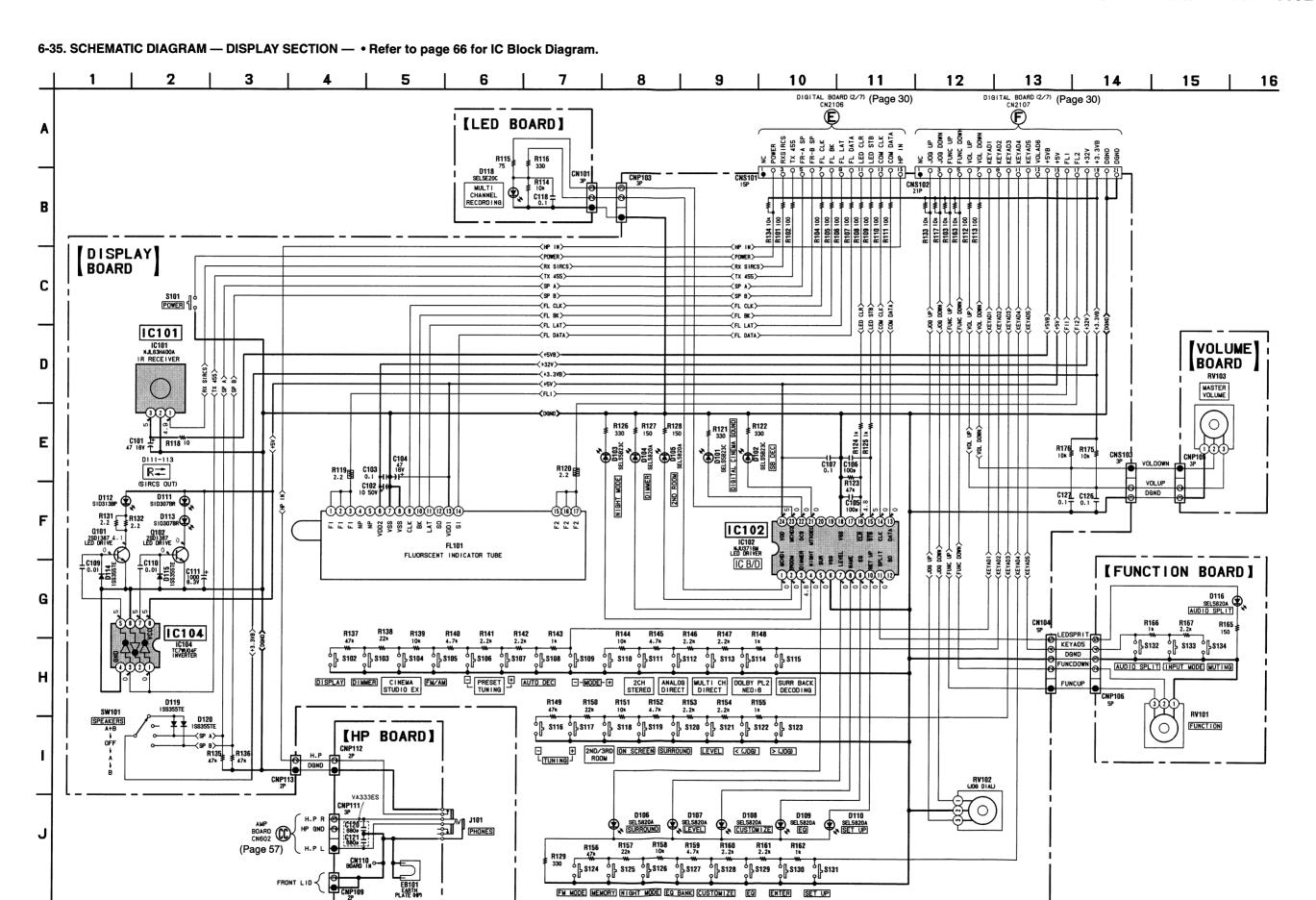
57

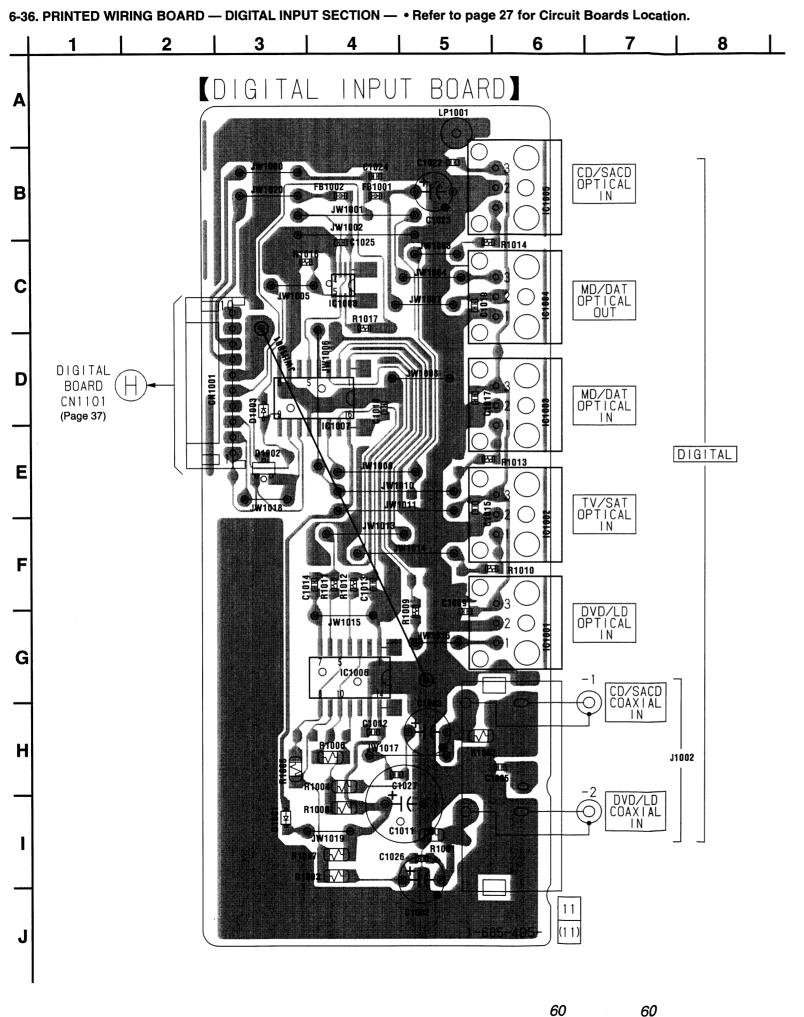
6-34. PRINTED WIRING BOARDS — DISPLAY SECTION — • Refer to page 27 for Circuit Boards Location.



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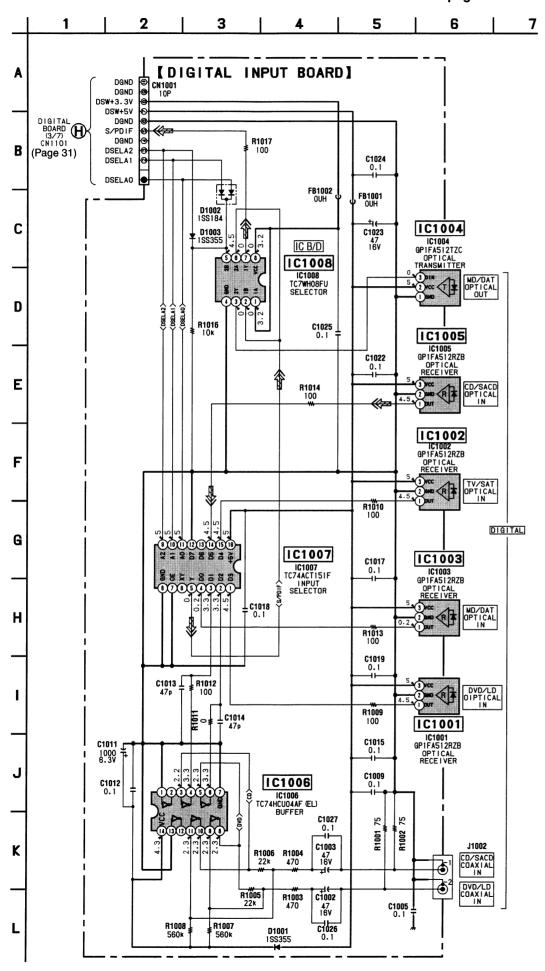




#### • Semiconductor Location

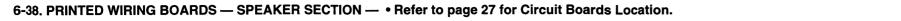
Ref. No.	Location
D1001	I-3
D1002	E-3
D1003	D-3
IC1001	G-6
IC1002	F-6
IC1003	D-6
IC1004	C-6
IC1005	B-6
IC1006	G-4
IC1007	D-4
IC1008	C-4

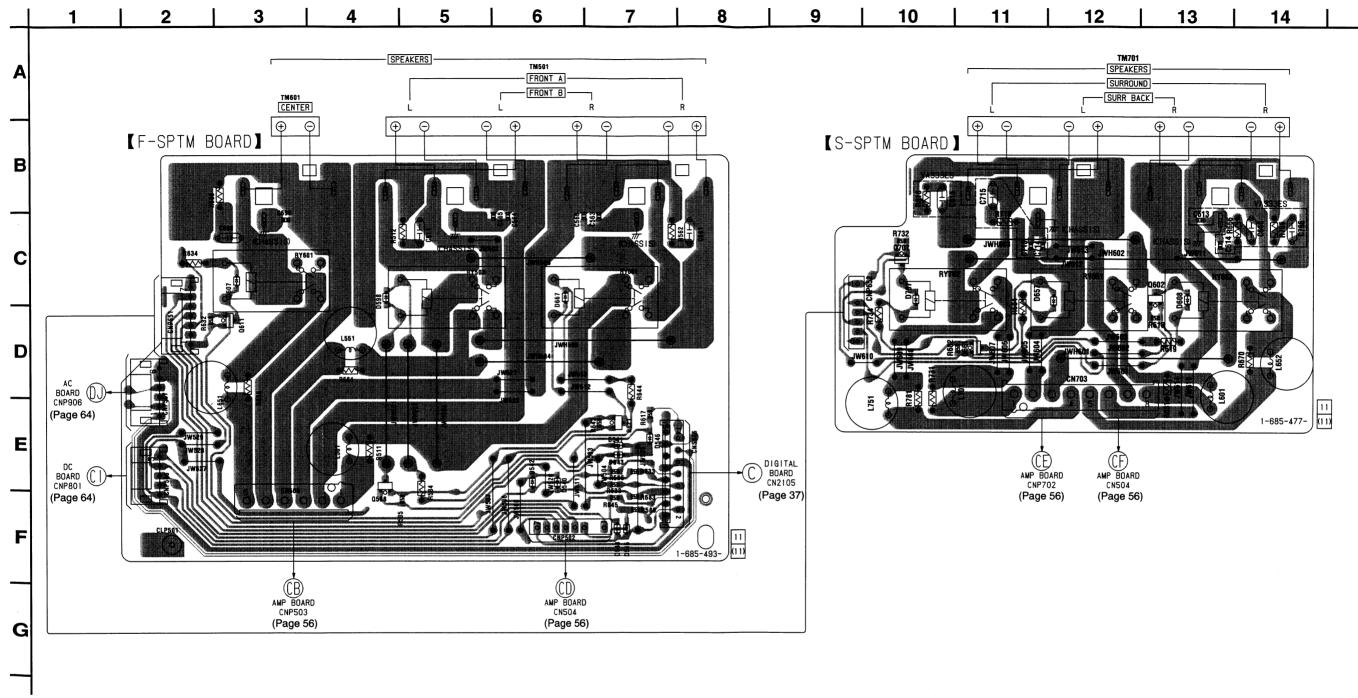
## 6-37. SCHEMATIC DIAGRAM — DIGITAL INPUT SECTION — • Refer to page 71 for IC Block Diagram.



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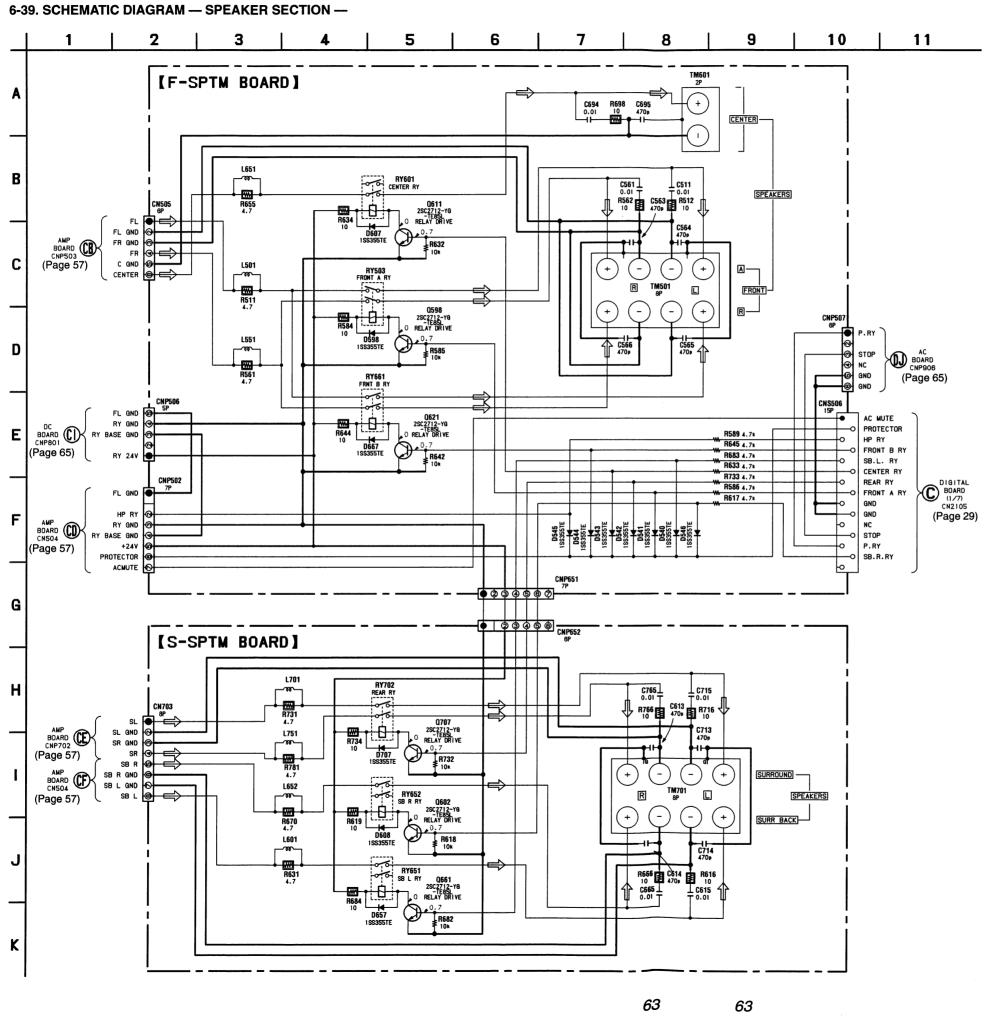
## STR-DA4ES/DA7ES/VA333ES

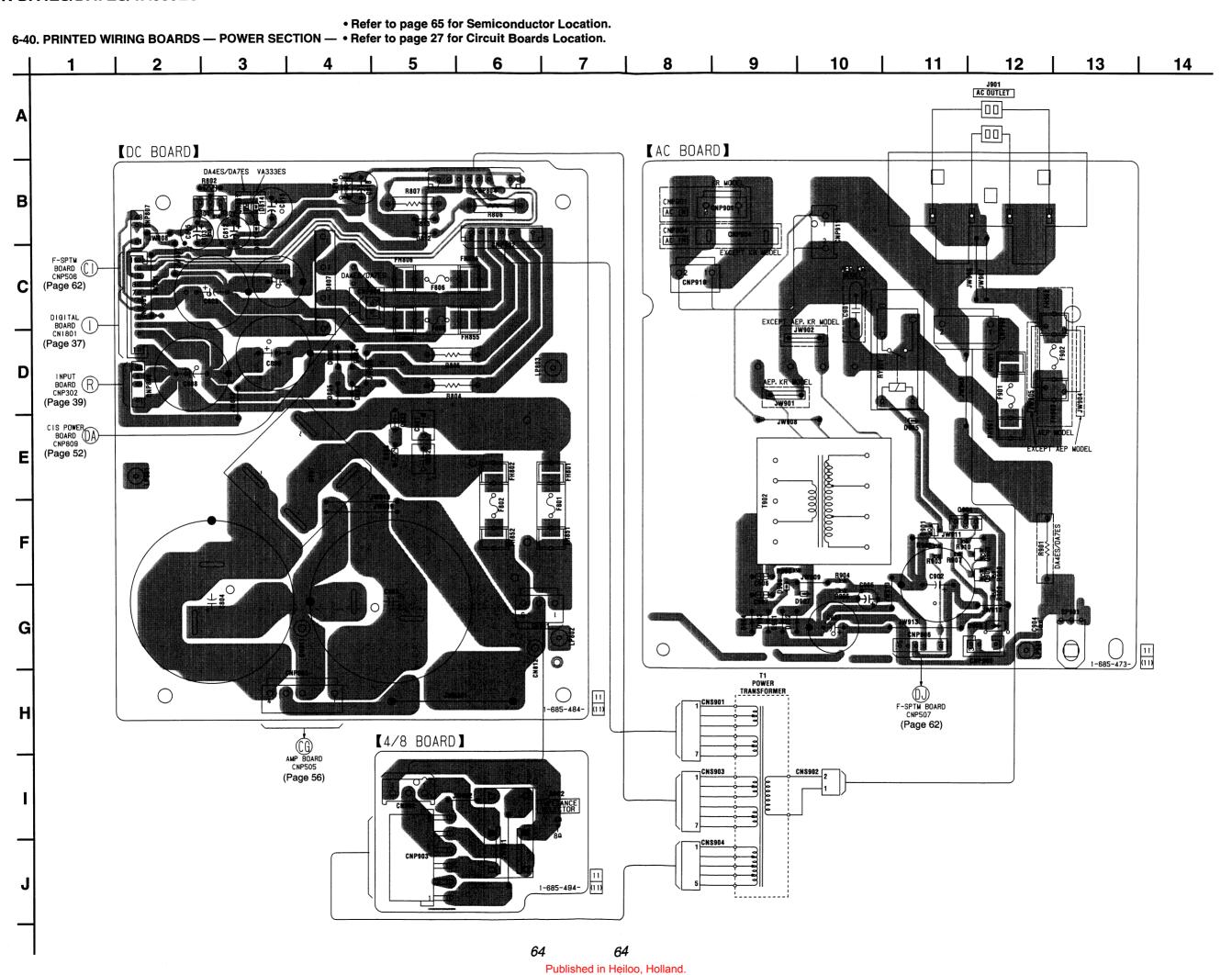




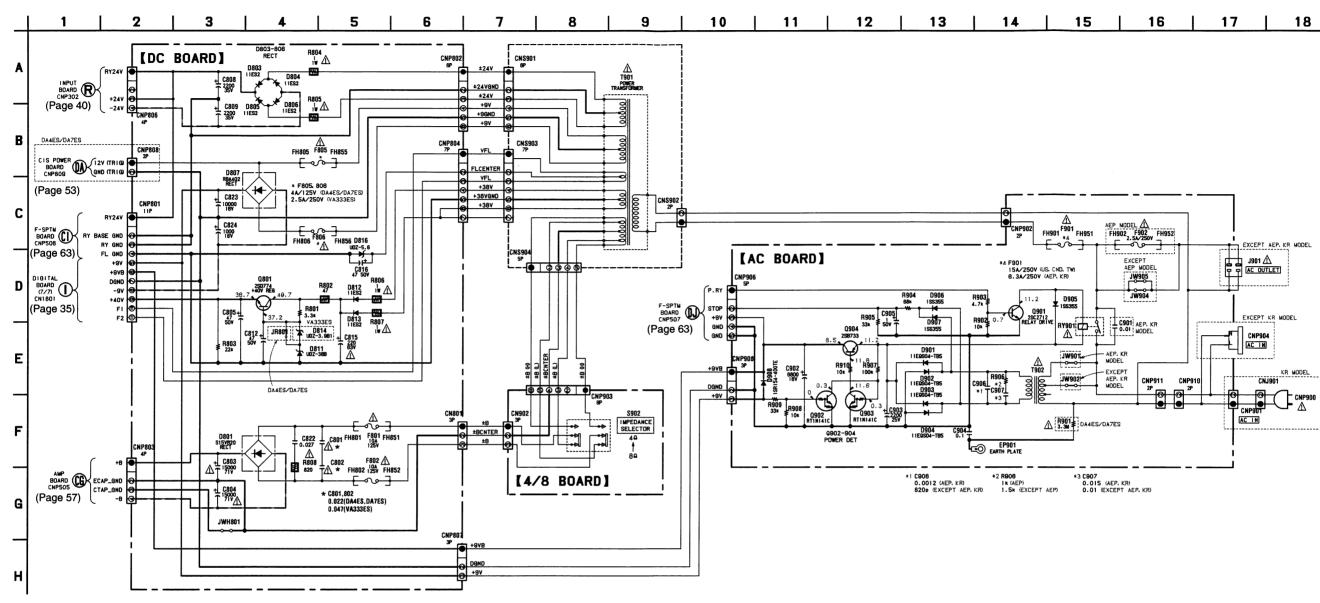
## • Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D540	E-6	D657	D-12
D541	E-7	D667	C-6
D542	E-6	D707	C-10
D543	E-7		
D544	F-7	Q598	E-4
D545	F-7	Q602	D-13
D546	E-7	Q611	D-3
D598	C-4	Q621	E-7
D607	C-3	Q661	D-11
D608	D-13	Q707	C-10





### 6-41. SCHEMATIC DIAGRAM — POWER SECTION —

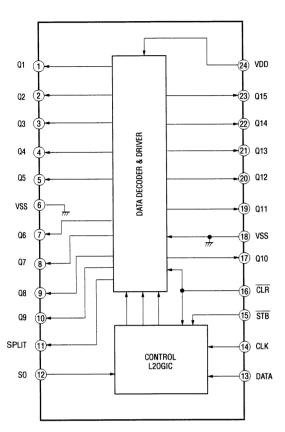


#### • Semiconductor Location

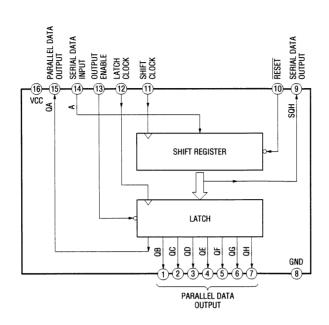
Ref. No.	Location	Ref. No.	Location
D801	E-4	D903	G-9
D803	D-4	D904	G-9
D804	D-4	D905	E-11
D805	D-4	D906	F-9
D806	D-4	D907	G-10
D807	C-4	D908	G-12
D811	B-3		
D812	B-5	Q801	B-3
D813	B-5	Q901	F-11
D814	B-3	Q902	F-12
D816	B-4	Q903	F-12
D901	G-9	Q904	F-11
D902	G-9		

#### 6-42. IC BLOCK DIAGRAMS

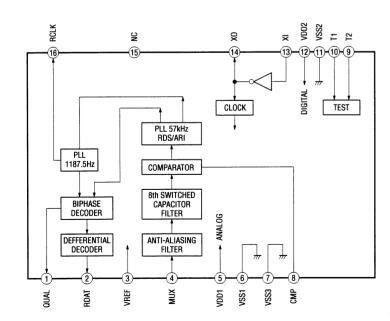
#### IC2103 NJU3716M (DIGITAL BOARD) IC102 NJU3716M (DISPLAY BOARD)



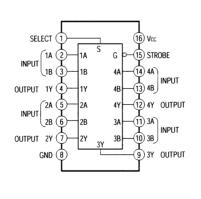
IC2109 TC74HC595AF (DIGITAL BOARD)



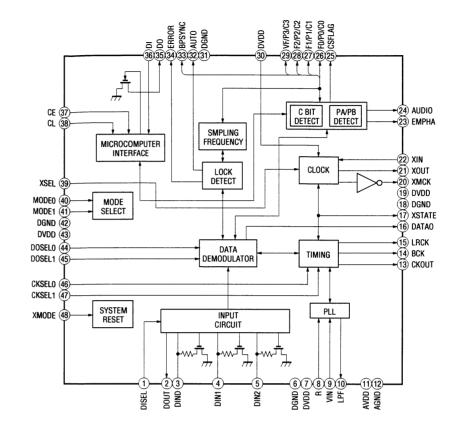
IC2101 BU1924F (DIGITAL BOARD)



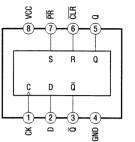
IC1104 TC7WH157FU (DIGITAL BOARD) IC1205 TC7WH157FU (DIGITAL BOARD)



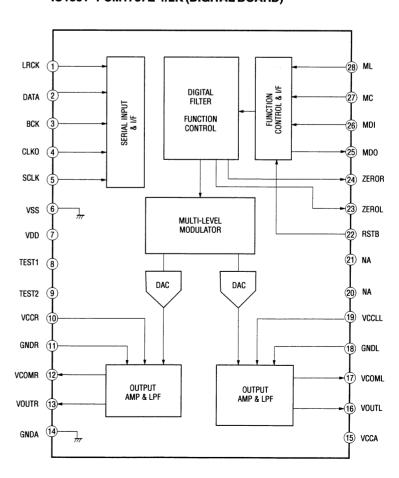
## IC1101 LC89056W-E (DIGITAL BOARD)



IC1102 TC7WH74FU (DIGITAL BOARD)

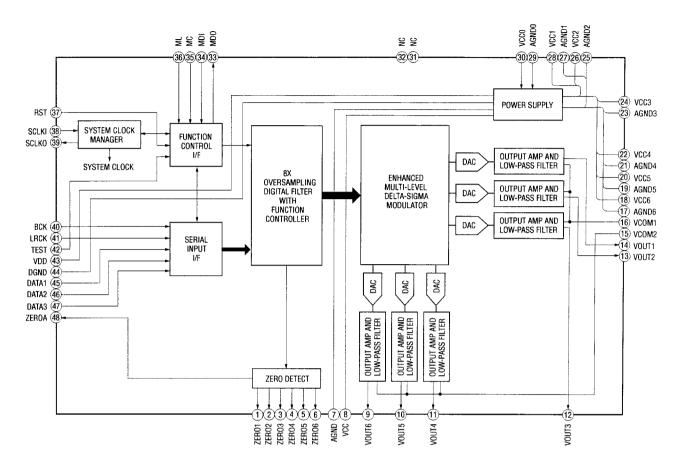


IC1601 PCM1737E-1/2K (DIGITAL BOARD)

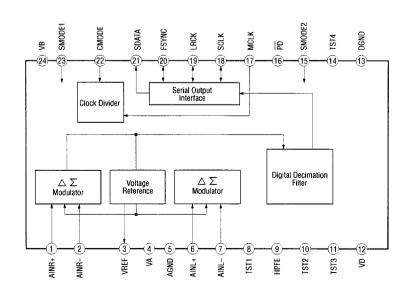


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#### IC1602 PCM1604Y/2K (DIGITAL BOARD)



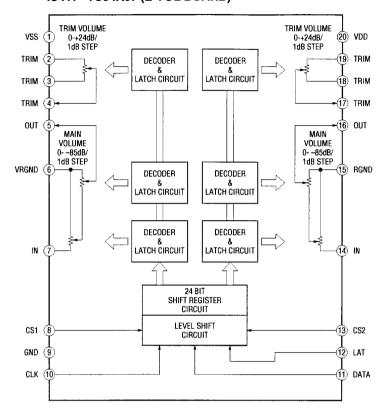
#### IC1701 AK5352-VF-E2 (DIGITAL BOARD)



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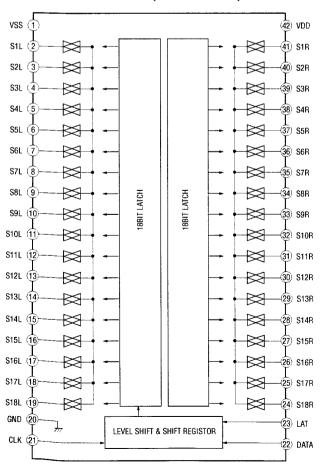
## STR-DA4ES/DA7ES/VA333ES

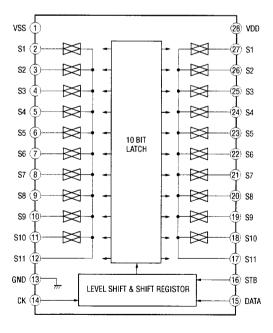
IC311 TC94A07 (INPUT BOARD) IC411 TC94A07 (E-VOL BOARD)



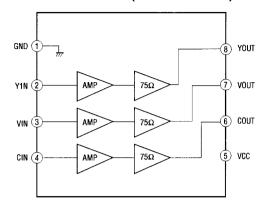
IC302 TC9274N-015 (INPUT BOARD) IC303 TC9274N-015 (INPUT BOARD) IC402 TC9274N-016 (E-VOL BOARD)

IC304 TC9273N-013 (INPUT BOARD)

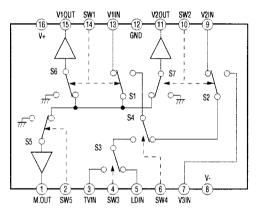




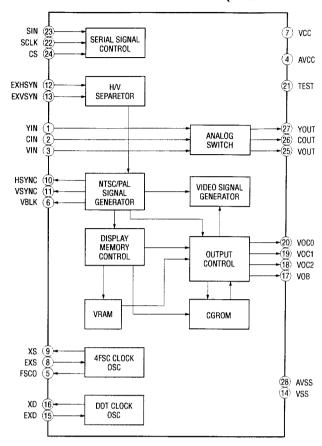
#### IC210 BA7622F (S-VIDEO BOARD)



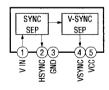
#### IC202 NJM2296M (S-VIDEO BOARD) IC201 NJM2296M (C-VIDEO BOARD) IC211 NJM2296M (C-VIDEO BOARD)



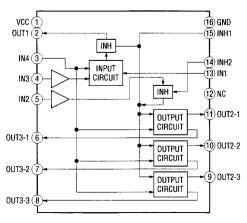
#### IC209 MB90089PF-G-238-BND (S-VIDEO BOARD)



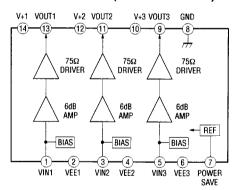
#### IC204 LA7213 (S-VIDEO BOARD) IC205 LA7213 (S-VIDEO BOARD)



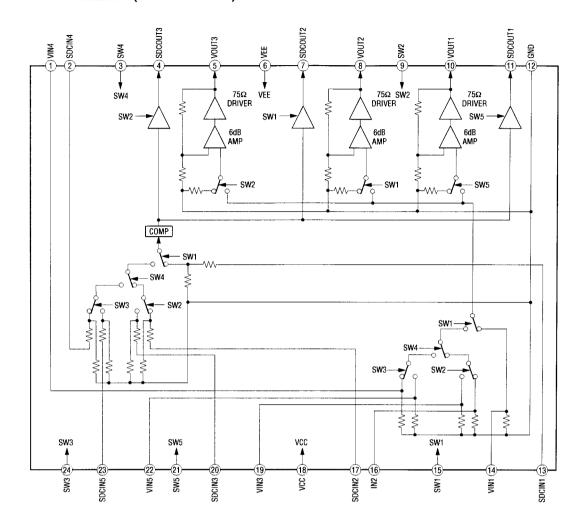
#### IC200 NJM2145M (M-BUS BOARD)



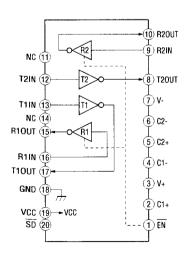
#### IC212 NJM2581D (C-VIDEO BOARD)



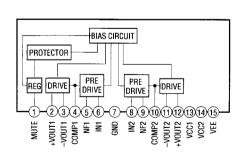
### IC203 NJM2596M (S-VIDEO BOARD)



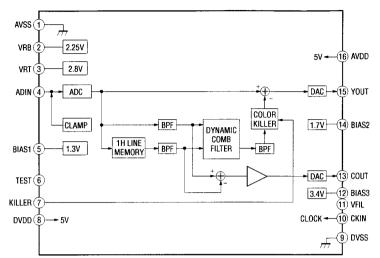
#### IC401 ADM3222 (E-VOL BOARD)



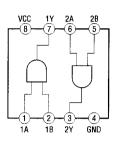
IC601 μPC2581V (A-CLASS BOARD) IC701 μPC2581V (A-CLASS BOARD) IC501 μPC2581V (AMP BOARD) IC651 μPC2581V (AMP BOARD)



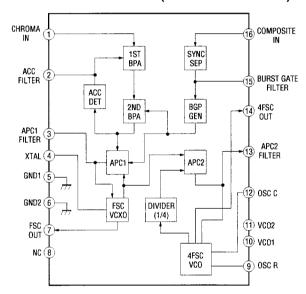
## IC3100 TC90A45F (UP CONVERT BOARD)



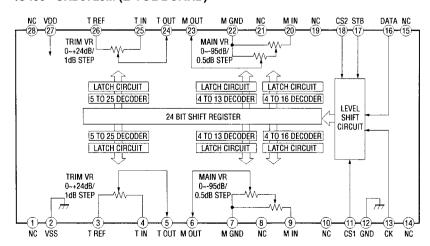
# IC1008 TC7WH08FU (DIGITAL INPUT BOARD)



#### IC3101 MM1093NF (UP CONVERT BOARD)



IC403 CXD9725M (E-VOL BOARD)
IC404 CXD9725M (E-VOL BOARD)
IC405 CXD9725M (E-VOL BOARD)
IC406 CXD9725M (E-VOL BOARD)



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## STR-DA4ES/DA7ES/VA333ES

# SECTION 7 EXPLODED VIEWS

#### NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
   -XX and -X mean standardized parts, so
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example :

KNOB, BALANCE (WHITE) ... (RED)

Parts Color Cabinet's Color

- Accessories are given in the last of this parts list.
- Abbreviation

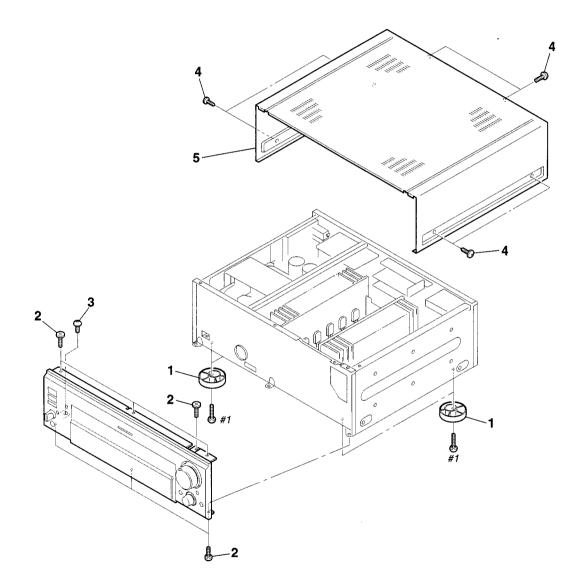
CND : Canadian model
TW : Taiwan model
KR : Korea model

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

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

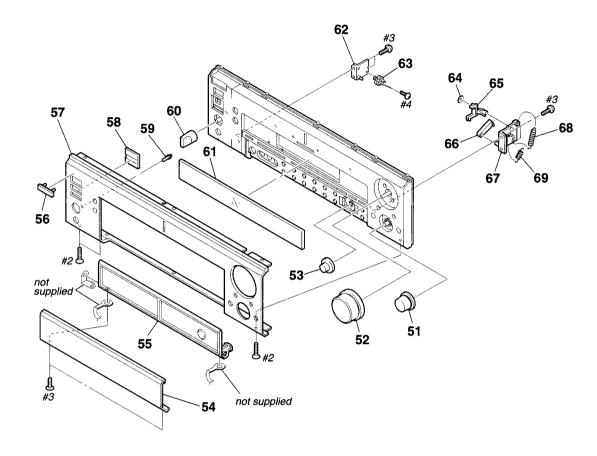
### 7-1. CASE SECTION



Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
1	X-4953-883-2	FOOT ASSY		5	4-222-052-71	CASE (GOLD)(GOLD)	
2	3-704-515-21	SCREW (BV/RING)		5	4-222-052-91	CASE (BLACK)(BLACK)	
3	4-974-510-11	SCREW (+BV 3X8 CU)		#1	7-685-885-09	SCREW +BVTT 4X16 (S)	
4	4-227-843-01	SCREW (TP), FLAT HEAD (BLACK)(BI	LACK)				
4	4-227-843-11	SCREW (TP), FLAT HEAD (GOLD)(GO	LD)				

#### STR-DA4ES/DA7ES/VA333ES

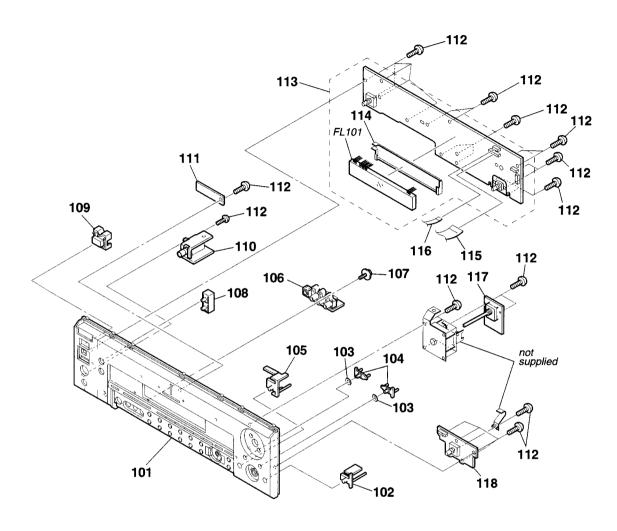
#### 7-2. FRONT PANEL SECTION (1)



Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
51	X-4951-912-1	KNOB (BAL) ASSY (BLACK)(BLACK)	)	58	4-228-862-11	WINDOW (IR) (GOLD)(GOLD)	
51	X-4951-913-1	KNOB (BAL) ASSY (GOLD)(GOLD)	•	58	4-234-092-01	WINDOW (IR) (BLACK)(BLACK)	
52	X-4954-943-1	KNOB (R54/B) ASSY (BLACK)(BLAC	CK)	59	X-4950-462-1	LENS ASSY, LED (DA4ES/DA7ES)	
52	X-4954-944-1	KNOB (R54/N) ASSY (GOLD)(GOLD	)	60	4-957-383 <b>-</b> 01	KNOB (F14) (BLACK)(BLACK)	
53	4-228-859-01	KNOB (JOG) (BLACK)(BLACK)		60	4-957-383-21	KNOB (F14) (GOLD)(GOLD)	
53	4-228-859-11	KNOB (JOG) (GOLD)(GOLD)		61	4-234-224-11	PLATE (B), INDICATION (BLACK)(B	I VCK)
54	4-240-814-01	PANEL (DOOR) (DA7ES)		61	4-234-225-11	PLATE (M), INDICATION (GOLD)(GO	
54	4-240-814-11			62	X-4952-961-1	BRACKET (DL) ASSY	OLD,
54	4-240-814-21	PANEL (DOOR) (AEP:BLACK)		63	4-240-391-01	DAMPER, OIL	
54	4-240-814-31	PANEL (DOOR) (AEP:GOLD)		64	3-167-330-01	WASHER	
54	4-240-814-41	PANEL (DOOR) (TW,KR)		65	4-228-857-01	ARM, DOOR LOCK	
55	4-228-839-03	, , , ,		66	4-228-858-01	ARM	
55	4-228-839-12	. , , , , ,		67	X-4952-962-1	BRACKET (DR) ASSY	
56	4-942-568-41	EMBLEM (NO.5), SONY (BLACK)		68	4-228-860-01	SPRING, TENSION	
57	4-240-815-01	PANEL (D7), FRONT (DA7ES)		69	4-228-861-01	SPRING, TENSION	
57	4-240-815-11	PANEL (D7), FRONT (DA4ES)		#2	7-685-536-19	SCREW +BTP 2.6X12 TYPE2 N-S	
57	4-240-815-21	PANEL (D7), FRONT (VA333ES:BLACK	<b>(</b> )	#3	7-685-234-19	SCREW +KTP 2.6X8 TYPE2 NON-SLIT	T
57	4-240-815-31	PANEL (D7), FRONT (VA333ES:GOLD	,	#4	7-685-853-04	SCREW +BVTT 2X6 (S)	•

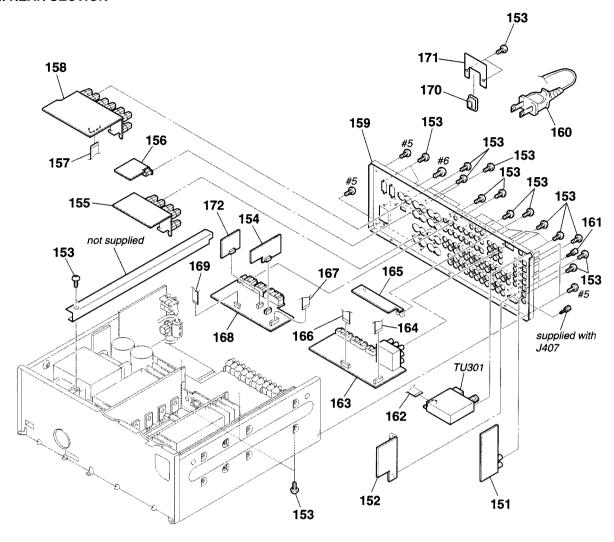
#### STR-DA4ES/DA7ES/VA333ES

#### 7-3. FRONT PANEL SECTION (2)



Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
101	X-4954-795-1	BASE (B) ASSY, PANEL (BLACK)(I	BLACK)	107	4-933-134-11	SCREW (+PTPWH M2.6X8)	
			(DA7ES)	108	X-4953-779-1	BUTTON (G) (B) ASSY (BLACK)	.(BLACK)
101	X-4954-796-1	BASE (B) ASSY, PANEL (BLACK)(I	BLACK)	108	X-4953-780-1	BUTTON (G) (N) ASSY (GOLD)	(GOLD)
			(DA4ES)	109	4-998-592-01	BUTTON (POWER) (BLACK)(BI	ACK)
101	X-4954-797-1	BASE (N) ASSY, PANEL (GOLD)(G	OLD)	109	4-998-592-12	BUTTON (POWER) (GOLD)(GO	LD)
			(AEP:GOLD)				
101	X-4954-799-1	BASE (B) ASSY, PANEL (BLACK)(I	BLACK)	110	1-685-488-11	HP BOARD	
		(	(AEP:BLACK)	111	1-685-491-11	LED BOARD	
101	X-4954-800-1	BASE (N) ASSY, PANEL (GOLD)(G	OLD)	112	4-951-620-01	SCREW (2.6X8), +BVTP	
			(TW,KR)	113	A-4728-901-A	DISPLAY BOARD, COMPLETE (V.	A333ES)
				113	A-4728-931-A	DISPLAY BOARD, COMPLETE (D	A4ES/DA7ES)
102	4-228-849-01	BUTTON (E) (BLACK)(BLACK)					
102	4-228-849-11	BUTTON (E) (GOLD)(GOLD)		114	4-228-836-01	HOLDER, FL TUBE	
103	4-228-856-01	PLATE (BUTTON F), SHADING		115	1-773-162-11	WIRE (FLAT TYPE) (21 CORE)	
104	4-228-850-01	BUTTON (F)		116	1-773-021-11	WIRE (FLAT TYPE) (15 CORE)	
105	4-228-848-01	BUTTON (D) (BLACK)(BLACK)		117	1-685-489-11	VOLUME BOARD	
				118	1-685-487-11	FUNCTION BOARD	
105	4-228-848-11	BUTTON (D) (GOLD)(GOLD)					
106	1-685-490-11	VIDEO3 BOARD		FL101	1-518-747-11	INDICATOR TUBE, FLUORESCEN	T

#### 7-4. REAR SECTION



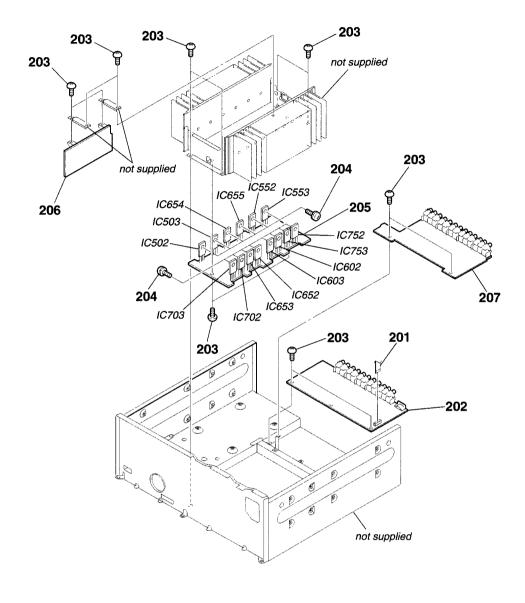
The components identified by mark △ or dotted line with mark △ are critical for safety.

Replace only with part number specified.

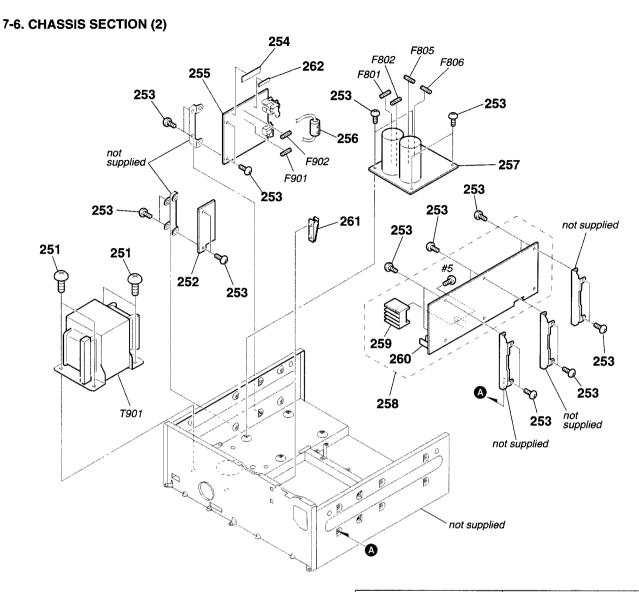
Les composants identifiés par une marque ∆ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
151	A-4728-944-A	DIGITAL INPUT BOARD, COMPLETE		163	A-4728-909-A	C-VIDEO BOARD, COMPLETE	(AEP)
		(DA4E	S/DA7ES)	163	A-4728-951-A	C-VIDEO BOARD, COMPLETE	(DA4ES/DA7ES)
151	A-4728-979-A	DIGITAL INPUT BOARD, COMPLETE (V	(A333ES)	163	A-4729-682-A	C-VIDEO BOARD, COMPLETE	(TW,KR)
152	A-4728-882-A	CIS BOARD, COMPLETE (DA4ES)	,	164	1-769-971-11	WIRE (FLAT TYPE) (13 CORE)	
152	A-4728-921-A	CIS BOARD, COMPLETE (DA7ES)		165	A-4728-919-A	M-BUS BOARD, COMPLETE (I	DA4ES/DA7ES)
153	4-974-510-11	SCREW (+BV 3X8 CU)				•	,
				166	1-769-969-11	WIRE (FLAT TYPE) (13 CORE)	
154	A-4728-955-A	UP CONVERT BOARD, COMPLETE		167	1-769-975-11	WIRE (FLAT TYPE) (13 CORE)	
		(DA4E	S/DA7ES)	168	A-4728-903-A	S-VIDEO BOARD, COMPLETE	(AEP)
155	A-4728-941-A	S-SPTM BOARD, COMPLETE (DA4ES/I	DA7ES)	168	A-4728-938-A	S-VIDEO BOARD, COMPLETE	(DA4ES/DA7ES)
155	A-4728-905-A	S-SPTM BOARD, COMPLETE (VA333E)	S)	168	A-4728-965-A	S-VIDEO BOARD, COMPLETE	(TW,KR)
156	1-685-494-11	4/8 BOARD	·				` ' /
157	1-773-021-11	WIRE (FLAT TYPE) (15 CORE)		169	1-769-879-11	WIRE (FLAT TYPE) (7 CORE) (	(DA4ES/DA7ES)
				* 170	3-703-244-00	BUSHING (2104), CORD (KR)	,
158	A-4728-904-A	F-SPTM BOARD, COMPLETE (VA333ES	S)	* 171	4-923-873-01	BRACKET, CORD STOPPER (K	R)
158	A-4728-940-A	F-SPTM BOARD, COMPLETE (DA4ES/D	A7ES)	172	A-4728-895-A	CLOCK BOARD, COMPLETE (A	AÉP)
159	4-234-163-01	PANEL (V5), BACK (DA4ES)		TU301	1-693-539-21	TUNER PACK (FM/AM) (DA4E	S/DA7ES)
159	4-234-163-41	PANEL (V5), BACK (AEP)				. , ,	•
△ 160	1-769-079-22	CORD, POWER (KR)		TU301	1-693-540-21	TUNER PACK (FM/AM) (VA333	BES)
				#5	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-	3
161	4-947-010-01	SCREW, FEEDER FIXED		#6	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-	3
162	1-823-582-11	WIRE (FLAT TYPE) (15 CORE)					

#### 7-5. CHASSIS SECTION (1)



Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
201	1-769-971-11	WIRE (FLAT TYPE) (13 CORE)		IC503	8-749-014-73	IC SAP15P	
202	A-4728-878-A	E-VOL BOARD, COMPLETE (DA4ES)		IC552	8-749-014-72	IC SAP15N	
202	A-4728-891-A	E-VOL BOARD, COMPLETE (VA333ES)		IC553	8-749-014-73	IC SAP15P	
202	A-4728-911-A	E-VOL BOARD, COMPLETE (DA7ES)		10602	8-749-014-72	IC SAP15N	
203	4-974-510-11	SCREW (+BV 3X8 CU)		IC603	8-749-014-73	IC SAP15P	
204	3-905-609-11	SCREW (TRANSISTOR)		IC652	8-749-014-72	IC SAP15N	
205		AMP BOARD, COMPLETE (VA333ES)		IC653	8-749-014-73	IC SAP15P	
205	A-4728-947-A	AMP BOARD, COMPLETE (DA4ES/DA7	'ES)	IC654	8-749-014-72	IC SAP15N	
206	A-4729-679-A	A-CLASS BOARD, COMPLETE (DA4ES	/DÁ7ES)	IC655	8-749-014-73	IC SAP15P	
206	A-4729-681-A	A-CLASS BOARD, COMPLETE (VA333)	ES)	IC702	8-749-014-72	IC SAP15N	
207	A-4728-880-A	INPUT BOARD, COMPLETE (DA4ES)		10703	8-749-014-73	IC SAP15P	
207		INPUT BOARD, COMPLETE (VA333ES)	l	IC752	8-749-014-72	IC SAP15N	
207 IC502		INPUT BOARD, COMPLETE (DA7ES)		IC753	8-749-014-73	IC SAP15P	



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

△ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
251	4-394-596-01	SCREW (M5), TERMINAL		<b> ∆</b> F801	1-533-312-11	FUSE, GLASS CYLINDRICAL	(DIA.5)
252	A-4729-692-A	CIS POWER BOARD, COMPLETE (DA4ES	/DA7ES)				(10A/125V)
253	4-974-510-11	SCREW (+BV 3X8 CU)		<b> ∆</b> F802	1-533-312-11	FUSE, GLASS CYLINDRICAL	(DIA.5)
* 254	3-703-044-26	LABEL, CAUTION (DA4ES/DA7ES)					(10A/125V)
255	A-4728-908-A	AC BOARD, COMPLETE (AEP)		<b> ∆</b> F805	1-532-464-51	FUSE, TIME-LAG (T2.5AL/25	0V) (VA333ES)
				<b> ▲ F805</b>	1-533-419-11	FUSE, GLASS CYLINDRICAL	, ,
255		AC BOARD, COMPLETE (DA4ES/DA7ES)	)				SV) (DA4ES/DA7ES)
255		AC BOARD, COMPLETE (KR)		<b> ∆</b> F806	1-532-464-51	FUSE, TIME-LAG (T2.5AL/25	0V) (VA333ES)
255		AC BOARD, COMPLETE (TW)					
256	1-469-241-11	CORE, FERRITE (RFC-8 BK)		<b> ∆</b> F806	1-533-419-11	FUSE, GLASS CYLINDRICAL	•
257	A-4728-899-A	DC BOARD, COMPLETE (VA333ES)					(DA4ES/DA7ES)
				<b> △</b> F901	1-532-325-00	FUSE, TIME-LAG (T6.3AL/25	, ,
257		DC BOARD, COMPLETE (DA4ES/DA7ES)	)	<b>△</b> F901	1-576-379-11	FUSE, GLASS CYLINDRICAL	, ,
258		DIGITAL BOARD, COMPLETE (DA4ES)				,	50V) (US,CND,TW)
258		DIGITAL BOARD, COMPLETE (AEP)		<b> ∆</b> F902	1-532-464-51	FUSE, TIME-LAG (T2.5AL/25	, , ,
258		DIGITAL BOARD, COMPLETE (DA7ES)		<b></b> ∆ T901	1-437-270-11	TRANSFORMER, POWER (US	S)
258	A-4728-962-A	DIGITAL BOARD, COMPLETE (TW,KR)					
	0.000 444.04	UEAT OWN		<b>△T901</b>	1-437-271-11	TRANSFORMER, POWER (DA	,
* 259	3-309-144-21	HEAT SINK		<b>△T901</b>	1-437-272-11	TRANSFORMER, POWER (TV	,
260	4-242-610-11			<b>△T901</b>	1-437-274-11	TRANSFORMER, POWER (AE	· · ·
261	4-308-119-02	HOLDER, WIRE		<b>∆</b> T901	1-437-872-11	TRANSFORMER, POWER (DA	,
262	3-701-946-31	LABEL, FUSE RATING (KR,TW)		#5	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT	-3

#### STR-DA4ES/DA7ES/VA333ES

#### A-CLASS

# SECTION 8 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 and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
   All resistors are in ohms.
   METAL:Metal-film resistor.
   METAL OXIDE: Metal oxide-film resistor.
   F:nonflammable

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

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA... : μA... uPA... : μPA...
  uPB... : μPB... uPC... : μPC... uPD... : μPD...
- CAPACITORS uF: μFCOILS
- uH: µH
   Abbreviation
  CND: Canadian model
  TW: Taiwan model
  KR: Korea model

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

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			Remark
		A-CLASS BOARD,				C750	1-128-868-11	ELECT	10uF	20%	63V
	A-4729-681-A	A-CLASS BOARD, ************** < CAPACITOR >			ES)	C751 C752 C753 C754	1-119-825-41 1-137-505-11 1-102-233-00 1-102-230-00	MYLAR CERAMIC	22uF 220PF 33PF	20% 5% 10%	50V 50V 50V 500V
C591	1-119-851-11	ELECT	22uF	20%	100V	G75 <del>4</del>	1-102-230-00	CENAIVIIC	4PF	0.25PF	500V
C591	1-128-883-11	ELECT	22uF	20%	VA333ES) 100V (S/DA7ES)	C755 C760 C761	1-119-779-11 1-163-021-11 1-126-964-11	CERAMIC CHIP	220uF 0.01uF 10uF	20% 10% 20%	10V 50V 50V
C592	1-119-851-11	ELECT	22uF	20%	100V (VA333ES)	C789	1-137-503-11		0.0001uF		50V
C592	1-128-883-11	ELECT	22uF	20%	100V (S/DA7ES)			< CONNECTOR >			
C601	1-119-825-41	ELECT	22uF	20%	50V		1-784-922-11	PIN, CONNECTOR			
C602 C603 C604 C605	1-137-505-11 1-102-233-00 1-102-230-00 1-119-779-11	CERAMIC CERAMIC ELECT	220PF 33PF 4PF 220uF	5% 10% 0.25PF 20%	10V	CNP605 CNP607		CONNECTOR, BOA CONNECTOR, BOA PIN, CONNECTOR	ARD TO BO ARD TO BO		
C610		CERAMIC CHIP	0.01uF	10%	50V			< DIODE >			
C611 C635 C636 C639 C650		CERAMIC CHIP CERAMIC CHIP MYLAR	10uF 47PF 47PF 0.0001uF 10uF	20%	50V 50V 50V 50V 63V	D611 D635 D661 D711 D761	8-719-988-61 8-719-988-61 8-719-988-61 8-719-988-61 8-719-988-61		E-17 E-17 E-17		
				(	(VA333ES)			< IC >			
C650 C651 C652 C653	1-128-868-11 1-119-825-41 1-137-505-11 1-102-233-00	ELECT MYLAR	10uF 22uF 220PF 33PF	20% (DA4E 20% 5% 10%	63V ES/DA7ES) 50V 50V 500V	IC601 IC635 IC701		IC uPC2581V-S IC M5218AP-22 IC uPC2581V-S			
C654	1-102-230-00	CERAMIC	4PF	0.25PF	500V			< TRANSISTOR >			
C655 C660 C661 C689 C701	1-119-779-11 1-163-021-11 1-126-964-11 1-137-503-11 1-119-825-41	CERAMIC CHIP ELECT MYLAR	220uF 0.01uF 10uF 0.0001uF 22uF	20% 10% 20% 5% 20%	10V 50V 50V 50V 50V	Q610 Q635 Q660 Q710 Q760	8-729-027-52 8-729-281-53 8-729-281-53	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	TC124EKA-T SC1815-GR SC1815-GR	146	
C702	1-137-505-11	MYLAR	220PF	5%	50V			< RESISTOR >			
C703 C704	1-102-233-00 1-102-230-00		33PF 4PF	10% 0.25PF	500V 500V	R601	1-208-782-11	RES-CHIP	1K	2%	1/8W
C705 C710	1-119-779-11		220uF 0.01uF	20% 10%	10V 50V	R601		CARBON MELF	1K	(DA4E 2%	S/DA7ES) 1/8 <b>W</b>
C711 C739	1-126-964-11		10uF	20%	50V	R602	1-208-571-11	RES-CHIP	68K	2%	VA333ES) 1/8W
C750	1-137-503-11 1-119-850-11		0.0001uF 10uF	5% 20%	50V 63V	R602	1-260-018-11	CARBON MELF	68K	2%	S/DA7ES) 1/8W
				(	(VA333ES)	R603	1-249-494-11	CARBON	68K	5%	VA333ES) 1/2W

Δ-CI	ASS	<u>.</u>	AC
7-0L	.73	ا اد	70

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
R604		CARBON	2.7K	5%	1/2W	R753	1-249-494-11	CARBON	68K	E0/	1/2W
										5%	
R609	1-216-025-11	RES-CHIP	100	5%	1/10W	R754	1-249-683-31		2.7K	5%	1/2W
R611	1-216-085-11		33K	5%	1/10W	R759	1-216-025-11		100	5%	1/10W
R612	1-216-073-00		10K	5%	1/10W	R761	1-216-085-11		33K	5%	1/10W
R613	1-216-077-11	RES-CHIP	15K	5%	1/10W	R762	1-216-073-00	RES-CHIP	10K	5%	1/10W
R614	1-216-081-00	METAL CHIP	22K	5%	1/10W	R763	1-216-077-11	RES-CHIP	15K	5%	1/10W
R615	1-216-081-00	METAL CHIP	22K	5%	1/10W	R764	1-216-081-00	METAL CHIP	22K	5%	1/10W
R635	1-216-073-00	RES-CHIP	10K	5%	1/10W	R765	1-216-081-00	METAL CHIP	22K	5%	1/10W
R636	1-216-089-11	RES-CHIP	47K	5%	1/10W	******	*****	******			*****
R637	1-216-113-00		470K	5%	1/10W						
11001	7 2.0 110 00		,, ,,,	0,0	171011		A-4728-908-A	AC BOARD, COM	PLETE (AEF	P)	
R638	1-216-049-11	RES-CHIP	1K	5%	1/10W			AC BOARD, COM			S)
R639	1-216-073-00		10K	5%	1/10W		A-4728-966-A	AC BOARD, COM	PLETE (KR)		,
R640	1-216-081-00		22K	5%	1/10W			AC BOARD, COM			
R643	1-216-230-00		22K	2%	1/8W			********	, ,	'	
110 10	1 210 200 00	TIEG OTTI			4ES/DA7ES)						
R643	1_260_012_11	CARBON MELF	22K	2%	1/8W		1-533-399-31	HOLDER, FUSE			
11040	1-200-012-11	OANDON WILL	2211	2 /0	(VA333ES)		1-000-000-01	HOLDEN, FOSE			
					(VASSSES)			. CADACITOD .			
DCE1	1 000 700 11	DEC CHID	11/	00/	1 (0)4(			< CAPACITOR >			
R651	1-208-782-11	RES-CHIP	1K	2%	1/8W	0004	4 440 005 44	0504440	0.04 5	000/	0-01
D0=4	4.050.005.44	04000414515	414	,	(4ES/DA7ES)	C901	1-113-925-11	CERAMIC	0.01uF	20%	250V
R651	1-259-995-11	CARBON MELF	1K	2%	1/8W						(AEP,KR)
					(VA333ES)	C902	1-128-547-11	ELECT	6800uF	20%	16V
R652	1-208-571-11	RES-CHIP	68K	2%	1/8W	C903	1-126-943-11	ELECT	2200uF	20%	25V
					(4ES/DA7ES)	C904	1-165-319-11		0.1uF		50V
R652	1-260-018-11	CARBON MELF	68K	2%	1/8W	C905	1-126-960-11	ELECT	1uF	20%	50V
					(VA333ES)						
R653	1-249-494-11	CARBON	68K	5%	1/2W	C906	1-130-472-00	MYLAR	0.0012uF	5%	50V (AEP,KR)
R654	1-249-683-31	CARBON	2.7K	5%	1/2W	C906	1-137-432-11	MYLAR	820PF	5%	50V
R657	1-216-085-11	RES-CHIP	33K	5%	1/10W				0_0		T AEP,KR)
R658	1-216-073-00		10K	5%	1/10W	C907	1-137-150-11	MYI AR	0.01 uF	5%	50V
R659	1-216-025-11		100	5%	1/10W	0007	1 107 100 11	WITEMIT	0.0141		Γ AEP,KR)
R667	1-216-077-11		15K	5%	1/10W	C907	1-137-350-11	MYLAR	0.015uF	5%	50V
11007	1.210 017 11	neo om	1010	J /0	1710**	0307	1-107-000-11	WITEAU	0.01301	J /6	(AEP,KR)
R668	1-216-081-00	METAL CHIP	22K	5%	1/10W						(,,,,,,,,,
R669		METAL CHIP	22K	5%	1/10W			< CONNECTOR >			
R701	1-208-782-11		1K	2%	1/8W			10011112010117			
					4ES/DA7ES)	CNP901	1-564-321-00	PIN, CONNECTOR	(3.96mm F	PITCH) 2P	(KR)
R701	1-259-995-11	CARBON MELF	1K	2%	1/8W		1-565-792-11	PIN, CONNECTOR			
117-01	1 200 000 11	OF IT DOT IN LEE	•••	2 /0	(VA333ES)		1-779-978-11	PIN, CONNECTOR		11011/21	
R702	1-208-571-11	RES-CHIP	68K	2%	1/8W		1-564-321-21	PIN, CONNECTOR		ם כי ושחדום	
11702	1 200 071 11	TIEO OTTI	OUIX		4ES/DA7ES)	ON ST	1 304 321 21	T IIV, CONNECTOR	(3.301111111	11011) 21	
				(D)	(420/07/20)			< AC INLET >			
R702	1-260-018-11	CARBON MELF	68K	2%	1/8W			CALC INTEL			
52		0//		_ , •	(VA333ES)	CNP904	1-816-148-11	INLET, AC ( $\sim$ AC	IN) (EXCEP	T KR)	
R703	1-249-494-11	CARRON	68K	5%	1/2W	0111 00 1	101011011	111221, 70 ( - 70	m) (LAGE	1 1011)	
R704	1-249-683-31		2.7K	5%	1/2W			< DIODE >			
R709	1-216-025-11		100	5%	1/10W			( DIODL )			
R711	1-216-025-11		33K	5%	1/10W	D901	8-719-085-36	DIODE 11EQS04	-TR5		
117-11	1-210-003-11	ILO-VIII	JJK	J /0	1/1044	D901		DIODE 11EQS04			
R712	1-216-073-00	DEG-CHID	10K	5%	1/10W	D902		DIODE 11EQS04			
	1-216-073-00										
R713			15K	5%	1/10W	D904		DIODE 11EQS04			
R714	1-216-081-00		22K	5%	1/10W	D905	8-719-988-61	DIODE 1SS355TI	t-1/		
R715	1-216-081-00		22K	5%	1/10W	5000	0.740.000.04	DIODE 4000			
R743	1-216-230-00	RES-CHIP	22K	2%	1/8W	D906	8-719-988-61	DIODE 1SS355TI			
				(DA	(4ES/DA7ES)	D907	8-719-988-61	DIODE 1SS355TI			
ш.						D908	8-719-053-18	DIODE 1SR154-4	100TE-25		
R743	1-260-012-11	CARBON MELF	22K	2%	1/8W						
					(VA333ES)			< TERMINAL >			
R751	1-208-782-11	RES-CHIP	1K	2%	1/8W						
				(DA	(4ES/DA7ES)	* EP901	1-537-738-21	TERMINAL, EARTI	Н		
R751	1-259-995-11	CARBON MELF	1K	2%	1/8 <b>W</b>			•			
					(VA333ES)			< AC OUTLET >			
R752	1-208-571-11	RES-CHIP	68K	2%	1/8W						
					4ES/DA7ES)	<b>∆</b> J901	1-251-718-11	OUTLET (2 GANG)	. AC (AC OL	JTLET)	
R752	1-260-018-11	CARBON MELF	68K	2%	1/8W	,		(_ 0,0)	., ,		AEP,KR)
				_ , -	(VA333ES)	<b>∆</b> J901	1-785-285-11	OUTLET, AC (1P) (	AC OUTLET	(AFP)	, ,
					()				,	, , ,	

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

### AC

AMP

5 ( )	B										_
Ref. No.	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
		< TRANSISTOR	>			C554	1-102-230-00		4PF	0.25P	
						C555	1-119-779-11		220uF	20%	10V
Q901	8-729-230-49	TRANSISTOR		T4 40		C570	1-119-827-11	ELECT	47uF	20%	50V
Q902 Q903		TRANSISTOR TRANSISTOR		–		C570	1-128-860-11	FLECT	47	200/	(VA333ES)
Q903		TRANSISTOR		1140		6370	1-120-000-11	ELEGI	47uF	20%	50V 4ES/DA7ES)
<b>Q</b> 304	0-725-140-55	MANOISTON	200700-04			C573	1-163-125-00	CERAMIC C	HIP 220PF	5%	4E3/DA/E3) 50V
		< RESISTOR >				0070	1 100 120 00	OLIVATIO O	22011	570	50 V
		171207070177				C574	1-137-372-11	MYLAR	0.022uF	5%	50V
<b> ⚠ R901</b>	1-219-237-11	SOLID	3.3M	20%	1/2W F	C589	1-137-503-11	MYLAR	0.0001uF		50V
				(DA4	ES/DA7ES)	C593	1-126-077-11	ELECT	100uF	20%	100V
R902	1-216-073-00	RES-CHIP	10K	5%	1/10W	C594	1-126-077-11	ELECT	100uF	20%	100V
R903	1-216-065-11		4.7K	5%	1/10W	C595	1-128-883-11	ELECT	22uF	20%	100V
R904	1-216-093-11		68K	5%	1/10W						
R905	1-216-085-11	RES-CHIP	33K	5%	1/10W	C596	1-128-883-11		22uF	20%	100V
						C597	1-165-319-11	-			50V
R906	1-216-049-11	RES-CHIP	1K	5%	1/10W	C600	1-119-850-11	ELECT	10uF	20%	63V
D000	4 040 050 00		4 514		(AEP)						(VA333E\$)
R906	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	C600	1-128-868-11	ELECT	10uF	20%	63V
D007	4 040 007 44	DEO OUID	4001/		PT AEP,KR)	0000	4 400 777 00	100 10	0.4.5		4ES/DA7ES)
R907	1-216-097-11		100K	5%	1/10W	C608	1-130-777-00	MYLAR	0.1uF	10%	100V
R908	1-216-073-00		10K	5%	1/10W	0000	4 400 777 00	NAVO AD	0.4.5	100/	40017
R909	1-216-085-11	RES-CHIP	33K	5%	1/10W	C609	1-130-777-00		0.1uF	10%	100V
R910	1-216-073-00	DEC CHID	10K	5%	1/10W	C620	1-119-827-11	ELEUT	47uF	20%	50V
neiu	1-210-0/3-00	NES-UNIP	IUK	J 76	I/ FUVV	C620	1-128-860-11	FLECT	47	20%	(VA333E\$)
		< RELAY >				0020	1-120-000-11	EFECI	47uF		50V 4ES/DA7E\$)
		CHLLAI >				C623	1-163-125-00	CERAMIC CI	IIP 220PF	5%	50V
<b> ∆</b> RY901	1-755-388-11	RELAY (AC PO	MER) (DA4ES	/D47FS)		C624	1-137-372-11		0.022uF	5% 5%	50V 50V
△RY901		RELAY, POWER	, ,	DATEO,		0024	1 107 072 11	WILLAN	0.02241	J /0	30 <b>v</b>
	. 100 000 11	112211, 1 01121	(17.00020)			C670	1-119-827-11	FLECT	47uF	20%	50V
		< TRANSFORM	ER >			0070	7 110 027 11	ELECT.	1701	2070	(VA333E\$)
						C670	1-128-860-11	ELECT	47uF	20%	50V
<b></b> ∆T902	1-435-162-21	TRANSFORMER	R, POWER (DA	A4ES/DA	7ES)				.,		IES/DA7ES)
<b> ∆</b> T902		TRANSFORMER			,	C673	1-163-125-00	CERAMIC CH	IIP 220PF	5%	50V
<b></b> ∆T902	1-437-477-12	TRANSFORMER	R, POWER (TV	V)		C674	1-137-372-11	MYLAR	0.022uF	5%	50V
*****	*****	******	******	*****	*****	C681	1-119-825-41	ELECT	22uF	20%	50V
		AMP BOARD, C				C682	1-137-505-11		220PF	5%	50V
	A-4728-947-A	AMP BOARD, C		44ES/DA	7ES)	C683	1-119-779-11		220uF	20%	10V
		*****	*****			C684	1-102-230-00		4PF		= 500V
						C685	1-102-233-00		33PF	10%	500V
		< CAPACITOR >	•			C687	1-137-503-11	MYLAR	0.0001uF	5%	50V
C500	1-119-850-11	FLECT	10	200/	COV	0001	1 110 007 11	FLECT	47	000/	501/
0300	1-119-000-11	ELEGI	10uF	20%	63V	C691	1-119-827-11	ELEGI	47uF	20%	50V
C500	1-128-868-11	ELECT	10uF	20%	(VA333ES) 63V	C601	1-128-860-11	ELECT	47		(VA333ES)
0300	1-120-000-11	ELECT	Tour		ES/DA7ES)	C691	1-120-000-11	ELEGI	47uF	20%	50V IES/DA7ES
C501	1-119-825-41	ELECT	22uF	20%	50V	C692	1-163-125-00	CERAMIC CH	IIP 220PF	5%	
C502	1-137-505-11	MYLAR	220PF	5%	50V 50V	C693	1-137-372-11	MYLAR	0.022uF	5%	50V 50V
C503	1-102-233-00	CERAMIC	33PF	10%	500V	C720			47uF	20%	50V
			-3			3.20		,	31 WI		(VA333ES
C504	1-102-230-00	CERAMIC	4PF	0.25PF	500V						,
C505	1-119-779-11	ELECT	220uF	20%	10V	C720	1-128-860-11	ELECT	47uF	20%	50V
C507	1-128-879-11		2.2uF	20%	100V						ES/DA7ES
C520	1-119-827-11	ELECT	47uF	20%	50V	C723	1-163-125-00	CERAMIC CH	IIP 220PF	5%	50V
					(VA333ES)	C724	1-137-372-11	MYLAR	0.022uF	5%	50V
C520	1-128-860-11	ELECT	47uF	20%	50V	C770	1-119-827-11	ELECT	47uF	20%	50V
				(DA4I	ES/DA7ES)						(VA333ES
0						C770	1-128-860-11	ELECT	47uF	20%	50V
C523	1-163-125-00			5%	50V					(DA4	ES/DA7ES
C524	1-137-372-11	MYLAR	0.022uF	5%	50V						
C539	1-137-503-11	MYLAR	0.0001uF	5%	50V	C773	1-163-125-00	CERAMIC CH	IIP 220PF	5%	50V
C541	1-128-858-11	ELECT	22uF	20%	50V	C774	1-137-372-11	MYLAR	0.022 <b>u</b> F	5%	50V
C542	1-128-834-11	ELECT	470uF	20%	10V				_		
CEE4	4 440 00= 11	CI COT	00.5	000/	E011			< CONNECTO	)R >		
C551 C552	1-119-825-41		22uF	20%	50V	ONEO	4 705 400 41	DIN CONT.	TOD (0.00 =	UTO::::	
C552 C553	1-137-505-11	MYLAR	220PF	5%	50V	CN504	1-785-102-11		CTOR (3.96mm F	11CH) 4	P
0000	1-102-233-00	CERAMIC	33PF	10%	500V	UNP501	1-779-977-11	PIN, CONNEC	.TUK 6P		
						The	components id	entified by	Les composants	identifi	és par une
						marl	k ∆ or dotted line	e with mark	marque $\triangle$ sont		
							re critical for safe		la sécurité.	,	•

mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

la sécurité.

Ne les remplacer que par une piéce

portant le numéro spécifié.

AMP

Ref. No.	Part No	<u>Description</u> Rem	ark	l Ref No	Part No.	Description			Domark
	Part No.		<u>iai k</u>	Ref. No.	FAIL NU.	Description	_		<u>Remark</u>
		PIN, CONNECTOR (3.96mm PITCH) 6P				< TRANSISTOR	۲>		
		PIN, CONNECTOR 7P		0501	0.700.007.40	TDANCICTOD	DTO+1 4EVA	T4.40	
		PIN, CONNECTOR (3.96mm PITCH) 4P PIN, CONNECTOR (3.96mm PITCH) 2P		Q501 Q503		TRANSISTOR			
	1-779-978-21			Q508		TRANSISTOR TRANSISTOR			
UNPOU2	1-779-970-21	PIN, GUINNEGTUR SP		Q509		TRANSISTOR			
CNDCOC	1 770 970 11	CONNECTOR, BOARD TO BOARD 6P		Q547		TRANSISTOR			
		CONNECTOR, BOARD TO BOARD OF		Q347	0-729-140-04	INANSISTUN	2301041-74	IFAEA	
		PIN, CONNECTOR (3.96mm PITCH) 5P		Q548	9_720_220_40	TRANSISTOR	2002712 V	,	
GN1 702	1-700-100-11	1 114, 001414201011 (3.50111111 111011) 31		Q549		TRANSISTOR			
		< DIODE >		Q558		TRANSISTOR			
		( 0.000 )		Q559		TRANSISTOR			
D501	8-719-988-61	DIODE 1SS355TE-17		Q591		TRANSISTOR		ALA	
D502		DIODE RD2.2SB-T1		400.	0 . 20 02 . 02	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LODEOUGH		
D503		DIODE RD2.2SB-T1		Q592	8-729-024-93	TRANSISTOR	2SB1565E		
D504		DIODE 1SS355TE-17		Q593		TRANSISTOR		Έ	
D505		DIODE 1SS355TE-17		Q599		TRANSISTOR			
				Q608		TRANSISTOR			
D547	8-719-988-61	DIODE 1SS355TE-17		Q609	8-729-140-82	TRANSISTOR	2SA988-PAF	AEA	
D548	8-719-988-61	DIODE 1SS355TE-17							
D549	8-719-988-61	DIODE 1SS355TE-17		Q651	8-729-140-82	TRANSISTOR	2SA988-PAF	AEA	
D551		DIODE 1SS355TE-17		Q652	8-729-140-82	TRANSISTOR	2SA988-PAF	AEA	
D552	8-719-036-66	DIODE RD2.2SB-T1		Q658	8-729-140-82	TRANSISTOR	2SA988-PAF	AEA	
				Q659		TRANSISTOR			
D553		DIODE RD2.2SB-T1		Q708	8-729-140-82	TRANSISTOR	2SA988-PAF	AEA	
D554		DIODE 1SS355TE-17							
D555		DIODE 1SS355TE-17		Q709		TRANSISTOR			
D591		DIODE UDZS-TE-17-11B (US, CND)		Q758		TRANSISTOR			
D591	8-719-083-63	DIODE UDZS-TE-17-13B (EXCEPT US, CNE	))	Q759	8-729-140-82	TRANSISTOR	2SA988-PAF	AŁA	
DEOD	0.710.000.00	DIODE LIDZO TO 17 100 (EVENT HE ONE				DECICTOR			
D592	0-719-003-02	DIODE UDZS-TE-17-12B (EXCEPT US, CNE DIODE UDZS-TE-17-10B (US, CND)	"			< RESISTOR >			
D592 D593		DIODE 1SS355TE-17		R501	1-208-782-11	DEC CUID	1K	2%	1/8W
D593 D594		DIODE 1SS355TE-17		nout	1-200-702-11	neo-unir	IK		4ES/DA7ES)
D594 D599		DIODE 153335TE-17	ĺ	R501	1_250_005_11	CARBON MELF	1K	2%	4E3/DA7E3) 1/8W
DUJJ	0-713-300-01	DIODE 1808381E-17		11001	1-203-330-11	CANDON MILLI	IK	2 /0	(VA333ES)
D601	8-719-988-61	DIODE 1SS355TE-17		R502	1-208-571-11	BES-CHIP	68K	2%	1/8W
D602		DIODE RD2.2SB-T1		11002	1 200 01 1 11	TIEG OTTI	OOK		4ES/DA7ES)
D603		DIODE RD2.2SB-T1		R502	1-260-018-11	CARBON MELF	68K	2%	1/8W
D604		DIODE 1SS355TE-17							(VA333ES)
D605		DIODE 1SS355TE-17		R503	1-249-494-11	CARBON	68K	5%	1/2W
D651	8-719-988-61	DIODE 1SS355TE-17		R504	1-249-683-31	CARBON	2.7K	5%	1/2W
D652	8-719-036-66	DIODE RD2.2SB-T1		R505	1-216-089-11	RES-CHIP	47K	5%	1/10W
D653		DIODE RD2.2SB-T1		R509	1-216-025-11	RES-CHIP	100	5%	1/10W
D654	8-719-988 <b>-</b> 61	DIODE 1SS355TE-17		R510	1-215-868-00		680	5%	1W
D655	8-719-988-61	DIODE 1SS355TE-17		R521	1-216-055-00	METAL CHIP	1.8K	5%	1/ <b>10W</b>
D074	0.740.000.01	DIODE 4000EFTE 47		DECC	4 040 0 1:	DE0 01:15	4 = 1 *	=0.	4.40.21
D671	8-719-988-61	DIODE 1SS355TE-17		R522	1-216-077-11		15K	5%	1/10W
D672	8-719-036-66	DIODE RD2.2SB-T1 DIODE RD2.2SB-T1		R523	1-216-093-11		68K	5%	1/10W
D673	8-719-036-66			R524	1-249-393-11		10	5%	1/4W
D674 D675	8-719-988-61	DIODE 1SS355TE-17 DIODE 1SS355TE-17		R525 R526	1-249-393-11 1-208-401-11		10 33	5% 2%	1/4W 1/8W
D073	0-719-900-01	DIODE 1333331E-17		N320	1-200-401-11	NE3-UHIP	33		
D701	8-719-988-61	DIODE 1SS355TE-17						(DA	(ES/DA7ES)
D702		DIODE RD2.2SB-T1		R526	1-259-977-11	CARBON MELF	33	2%	1/8W
D702		DIODE RD2.2SB-T1		11020	1 200 017 11	OANDON WILL	00	2 /0	(VA333ES)
D704		DIODE 1SS355TE-17		R527	1-240-855-11	CARBON	6.2K	5%	1/4W
D705		DIODE 1SS355TE-17		R528	1-216-214-00		4.7K	2%	1/8W
									IES/DA7ES)
D751	8-719-988-61	DIODE 1SS355TE-17		R528	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
D752	8-719-036-66							• •	(VA333ES)
D753		DIODE RD2.2SB-T1		R529	1-216-089-11	RES-CHIP	47K	5%	1/10W
D754		DIODE 1SS355TE-17							
D755	8-719-988-61	DIODE 1SS355TE-17		R530	1-249-393-11	CARBON	10	5%	1/4W
				R539	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
		< IC >		R540	1-216-049-11		1K	5%	1/10W
				R541	1-216-689-11		39K	0.5%	1/10W
10501	6-700-943-01	IC uPC2581V-S		R542	1-216-073-00	RES-CHIP	10K	5%	1/10W
IC651	b-700-943 <b>-</b> 01	IC uPC2581V-S	ı						

#### STR-DA4ES/DA7ES/VA333ES

#### **AMP**

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R543	1-216-230-00	RES-CHIP	22K	2%	1/8W	R661	1-208-782-11	RES-CHIP	1K	20/	1/8W
				(DA	4ES/DA7ES)					,	A4ES/DA7ES)
R543		CARBON MELF	22K	2%	1/8W (VA333ES)	R661	1-259-995-11		1K	2%	1/8W (VA333ES)
R551	1-208-782-11	RES-CHIP	1K	2% (DA	1/8 <b>W</b> 4ES/DA7ES)	R662	1-208-571-11		68K	2% (D <i>A</i>	1/8 <b>W</b> \4ES/D <b>A</b> 7ES)
R551	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R662	1-260-018-11	CARBON MELF	68K	2%	1/8W (VA333ES)
R552	1-208-571-11	RES-CHIP	68K	2% (DA	1/8 <b>W</b> 4ES/D <b>A</b> 7ES)	R663	1-249-494-11	CARBON	68K	5%	1/2W
						R664	1-249-683-31		2.7K	5%	1/2W
R552	1-260-018-11	CARBON MELF	68K	2%	1/8W	R665	1-216-025-11		100	5%	1/10W
					(VA333ES)	R671	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R553	1-249-494-11	CARBON	68K	5%	1/2W	R672	1-216-077-11		15K	5%	1/10W
R554	1-249-683-31	CARBON	2.7K	5%	1/2W	R673	1-216-093-11	RES-CHIP	68K	5%	1/10W
R559	1-216-025-11	RES-CHIP	100	5%	1/10W						
R560	1-215-868-00	METAL OXIDE	680	5%	1W	R674	1-249-393-11	CARBON	10	5%	1/4W
						R675	1-249-393-11	CARBON	10	5%	1/4W
R571	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	R676	1-208-401-11	RES-CHIP	33	2%	1/8W
R572	1-216-077-11	RES-CHIP	15K	5%	1/10W					(DA	(4ES/DA7ES)
R573	1-216-093-11	RES-CHIP	68K	5%	1/10W	R676	1-259-977-11	CARBON MELF	33	2%	1/8 <b>W</b>
R574	1-249-393-11	CARBON	10	5%	1/4W	1,070	1 200 077 11	OTHER MILL	00	2 /0	(VA333ES)
R575	1-249-393-11	CARBON	10	5%	1/4W	R677	1-240-855-11	CARBON	6.2K	5%	1/4 <b>W</b>
R576	1-208-401-11	RES-CHIP	33	2%	1/8W	R678	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R576	1 250 077 11	CADDON MELE	33	2%	4ES/DA7ES)	D670	1 000 004 11	CADDON MELE	4 71/	,	(4ES/DA7ES)
	1-259-977-11	CARBON MELF			1/8W (VA333ES)	R678	1-260-004-11	CARBON MELF	4.7K	2%	1/8W (VA333ES)
R577	1-240-855-11	CARBON	6.2K	5%	1/4W	R679	1-216-089-11	RES-CHIP	47K	5%	1/10W
R578	1-216-214-00	RES-CHIP	4.7K	2%	1/8W	R680	1-249-393-11	CARBON	10	5%	1/4W
				(DA	4ES/DA7ES)	R688	1-249-393-11	CARBON	10	5%	1/4 <b>W</b>
R578	1-260-004-11	CARBON MELF	4.7K	2%	1/8W						
					(VA333ES)	R689	1-249-393-11	CARBON	10	5%	1/4W
						R690	1-208-401-11	RES-CHIP	33	2%	1/8 <b>W</b>
R579	1-216-089-11	RES-CHIP	47K	5%	1/10W					(DA	4ES/DA7ES
R580	1-249-393-11	CARBON	10	5%	1/4W	R690	1-259-977-11	CARBON MELF	33	2%	1/8W
R587	1-249-393-11	CARBON	10	5%	1/4W		. === =				(VA333ES)
R588	1-216-073-00	RES-CHIP	10K	5%	1/10W	R691	1-240-855-11	CARBON	6.2K	5%	1/4W
R591	1-249-393-11	CARBON	10	5%	1/4W	R692	1-216-214-00	RES-CHIP	4.7K	2%	1/8 <b>W</b>
						11002	1 210 211 00	neo om	1.71		4ES/DA7ES)
R592	1-249-393-11	CARBON	10	5%	1/4W						
R594	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	R692	1-260-004-11	CARBON MELF	4.7K	2%	1/8 <b>W</b>
R595	1-216-065-11	RES-CHIP	4.7K	5%	1/10W						(VA333ES)
R596	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	R693	1-216-055 <b>-</b> 00	METAL CHIP	1.8K	5%	1/10 <b>W</b>
R597	1-216-041-00	METAL CHIP	470	5%	1/10W	R694	1-216-093-11	RES-CHIP	68K	5%	1/10 <b>W</b>
						R695	1-216-077-11	RES-CHIP	15K	5%	1/10 <b>W</b>
R598	1-216-041-00	METAL CHIP	470	5%	1/10W	R696	1-249-393-11	CARBON	10	5%	1/4W
R621	1-216-055-00	METAL CHIP	1.8K	5%	1/10W						
R622	1-216-077-11	RES-CHIP	15K	5%	1/10W	R697	1-216-089-11	RES-CHIP	47K	5%	1/10 <b>W</b>
R623	1-216-093-11	RES-CHIP	68K	5%	1/10W	R721	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R624	1-249-393-11	CARBON	10	5%	1/4W	R722	1-216-077-11		15K	5%	1/10 <b>W</b>
				•		R723	1-216-093-11		68K	5%	1/10 <b>W</b>
R625	1-249-393-11	CARBON	10	5%	1/4W	R724		CARBON	10	5%	1/4W
R626	1-208-401-11	RES-CHIP	33	2%	1/8W	11721	1 2 10 000 11	O/IIIDON	10	0 70	1/400
11020	1 200 401 11	TILO OTTI	00		4ES/DA7ES)	R725	1-249-393-11	CARRON	10	5%	1/4 <b>W</b>
R626	1-259-977-11	CARBON MELF	33	2%	1/8W	R726		RES-CHIP			
11020	1-209-977-11	CARDUN WILLE	33	270		H/20	1-200-401-11	RES-CHIP	33	2%	1/8W
Deaz	4 040 055 44	OADDON	0.01/	E0/	(VA333ES)	5700	4 050 077 44	0.00000114515	00		4ES/DA7ES)
R627	1-240-855-11	CARBON	6.2K	5%	1/4W	R726	1-259-977-11	CARBON MELF	33	2%	1/8W
R628	1-216-214-00	RES-CHIP	4.7K	2%	1/8W						(VA333ES)
				(DA	4ES/DA7ES)	R727	1-240-855-11		6.2K	5%	1/4 <b>W</b>
						R728	1-216-214-00	RES-CHIP	4.7K	2%	1/8 <b>W</b>
R628	1-260-004-11	CARBON MELF	4.7K	2%	1/8W					(DA	4ES/DA7ES)
					(VA333ES)						•
R629	1-216-089-11	RES-CHIP	47K	5%	1/10W	R728	1-260-004-11	CARBON MELF	4.7K	2%	1/8 <b>W</b>
R630	1-249-393-11	CARBON	10	5%	1/4W						(VA333ES)
R660	1-216-230-00	RES-CHIP	22K	2%	1/8 <b>W</b>	R729	1-216-089-11	RES-CHIP	47K	5%	1/10W
					(4ES/DA7ES)	R730		CARBON	10	5%	1/4W
R660	1-260-012-11	CARBON MELF	22K	2%	1/8W	R771	1-216-055-00		1.8K	5%	1/10 <b>W</b>
				- · •	(VA333ES)	R772	1-216-077-11		15K	5%	1/10 <b>W</b>
					( )	–				- /-	

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### STR-DA4ES/DA7ES/VA333ES

AMP

C-VIDEO

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			Remark
R773	1-216-093-11	RES-CHIP	68K	5%	1/10W	C253	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
R774	1-249-393-11	CARBON	10	5%	1/4W	C255	1-128-834-11		470uF	20%	100 <b>V</b>
R775	1-249-393-11		10	5%	1/4W	C278	1-164-161-11		0.0022uF		100V
R776	1-208-401-11		33	2%	1/8W	C280	1-119-824-11		10uF	20%	50V
				(DA4	ES/DA7ES)						IES/DA7ES)
R776	1-259-977-11	CARBON MELF	33	2%	1/8W	C281	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
					(VA333ES)					(DA4	IES/DA7ES)
R777	1-240-855-11		6.2K	5%	1/4W	C282	1-164-161-11	CERAMIC CHIP	0.0022uF		100V
R778	1-216-214-00	RES-CHIP	4.7K	2%	1/8W					,	IES/DA7ES)
					ES/DA7ES)	C283		CERAMIC CHIP	47PF	5%	50V
R778	1-260-004-11	CARBON MELF	4.7K	2%	1/8W	C284	1-119-824-11	ELECT	10uF	20%	50V
חדדת	1 010 000 11	DEC OUID	471/		(VA333ES)	0005	4 440 004 44	EI EOX	40 5	•	IES/DA7ES)
R779 R780	1-216-089-11 1-249-393-11	RES-CHIP CARBON	47K 10	5% 5%	1/10W	C285	1-119-824-11	ELEUI	10uF	20%	50V
n/ou	1-249-393-11	CANDON	10	J70	1/4W	C286	1-119-824-11	ELECT	10uF	(DA4 20%	ES/DA7ES) 50V
		< VARIABLE RESI	ISTOR \			0200	1-115-024-11	CLEOI	TOUT		ES/DA7ES)
		VANIABLE NESI	1010117							(DA4	ESIDAIES
RV501	1-238-598-11	RES. ADJ. CARBO	ON 2.2K			C287	1-119-824-11	FI FCT	10uF	20%	50V
RV551	1-238-598-11	RES, ADJ, CARBO				0207		LLLO	1041		ES/DA7ES)
RV601	1-238-598-11	RES, ADJ, CARBO				C288	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
RV651	1-238-598-11	RES, ADJ, CARBO	ON 2.2K								ES/DA7ES)
RV652	1-238-598-11	RES, ADJ, CARBO				C289	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
										(DA4	ES/DA7ES)
RV701	1-238-598-11	RES, ADJ, CARBO	ON 2.2K			C290	1-128-834-11	ELECT	470uF	20%	10V
RV751	1-238-598-11	RES, ADJ, CARBO	ON 2.2K			C291	1-119-824-11	ELECT	10uF	20%	50V
		< RELAY >				C292	1-119-824-11		10uF	20%	50V
D)/E0.4	4 545 700 44	DEL AV				C293	1-119-824-11		10uF	20%	50V
RY504	1-515-793-11	RELAY				C294	1-119-824-11		10uF	20%	50V
		< CONNECTOR >				C295 C296	1-119-824-11 1-119-824-11		10uF 10uF	20%	50V 50V
		COMMECTORS				0290	1-119-024-11	CLEGI	TOUT	20%	30V
* TP501	1-560-060-00	PIN. CONNECTOR	2P			C297	1-164-690-11	CERAMIC CHIP	0.0022uF	5%	50V
* TP551	1-560-060-00	PIN, CONNECTOR				C298	1-128-834-11		470uF	20%	10V
* TP601	1-560-060-00	PIN, CONNECTOR				C299	1-128-834-11		470uF	20%	10V
* TP651	1-560-060-00	PIN, CONNECTOR				C2003		CERAMIC CHIP	47PF	5%	50V
* TP652	1-564-505-11	PLUG, CONNECTO	OR 2P			C2005		CERAMIC CHIP	100PF	5%	50V
* TP701	1-560-060-00	PIN, CONNECTOR				C2009	1-164-690-11	CERAMIC CHIP	0.0022uF	5%	50V
* TP751		PIN, CONNECTOR				C2014	1-163-038-00		0.1uF		25V
*****	*****	*****	*****	*****	*****	C2015	1-163-038-00		0.1uF		25V
	A 4700 000 A	C-VIDEO BOARD,	COMPLETE	(AED)		C2019	1-128-830-11	ELECT	47uF	20%	10V
		C-VIDEO BOARD,			:/DA7ES\	C2020	1-128-830-11	ELECT	47uF	20%	ES/DA7ES) 10V
		C-VIDEO BOARD,				02020	1-120-030-11	ELEGI	47 UF		ES/DA7ES)
	N 4725 002 N	********			')					(DA4I	LOIDAILO
						C2021	1-128-830-11	ELECT	47uF	20%	10V
		< CAPACITOR >				C2022	1-128-830-11		47uF	20%	10V
C201	1-119-824-11		10uF	20%	50V			< CONNECTOR >			
C202	1-119-824-11		10uF	20%	50V						
C203	1-119-824-11		10uF	20%	50V			CONNECTOR, FFC			
C204	1-119-824-11		10uF	20%	50V	CNS205	1-784-774-11	CONNECTOR, FFC	: 13P		
C206	1-163-243-11	CERAMIC CHIP	47PF	5%	50V			DIODE			
C207	1 160 040 11	CERAMIC CHIP	47DE	E0/	EOV/			< DIODE >			
C207 C208	1-163-243-11		47PF 10uF	5% 20%	50V 50V	D202	8_710_801 70	DIODE 1SS184 (	ראעבפיריע איז	EQ)	
C208	1-119-024-11		10ur 0.1uF	ZU /0	50V 50V	שבעב	0-1100-011-10	199104 (	NW4E9/DA/	LOJ	
C210	1-165-319-11		0.1uF		50V			< FERRITE BEAD	>		
C211		CERAMIC CHIP	0.1uF		50V				-		
						FB201	1-216-296-11	SHORT CHIP	0		
C212	1-165-319-11	CERAMIC CHIP	0.1uF		50V						
C213		CERAMIC CHIP	0.0022uF		100V			< IC >			
C214		CERAMIC CHIP	0.0022uF	10%	100V						
C238		CERAMIC CHIP	0.1uF		25V	IC201	8-759-536-24	IC NJM2296M-T	E2		
C240	1-163-038-00	CERAMIC CHIP	0.1uF	/D 4 4	25V						
				(DA4	es/da7es)						



Ref. No.	Dart No.	Description			Remark	l Dof No	Dort No.	Description		Domark
	Part No.				nemark	Ref. No.	Part No.	<u>Description</u>		<u>Remark</u>
IC211	8-759-536-24	IC NJM2296M-1	re2 (DA4ES	/DA7ES)		R292	1-216-295-11		0	
IC212	6-701-891-01	IC NJM2581D				R293	1-216-295-11		0	
IC214	8-759-671-94	IC MC74HC4053	BAFEL			*******	******	******	*****	******
		< JACK >						CIS BOARD, CO		
J200	1 704 495 11	JACK, PIN 2P (M	ONITOD TV	/C AT\			A-4/28-921-A	CIS BOARD, CO		A/ES)
J200 J201	1-794-435-11 1-770-337-21	JACK, PIN 2P (IVI		,				*****	****	
J201	1-770-337-21							< CAPACITOR >		
ULUL	1-110-031-21	UNUK, I IN SI (VI	DEO 1,2ND		ES/DA7ES)			CONFACITOR	•	
J202	1-794-435-11	JACK, PIN 2P (VI	DEO 1) (VA	•	-0/5/11/20/	C51	1-126-960-11	FLECT	1uF	20% 50V
J212	1-794-313-11	JACK, PIN (BLOC			VIDEO)	551	1 120 000 11	LLLOT	141	(DA4ES/DA7ES)
		U. 1011, 1 111 (D200	, (	0142141	1.520,	C52	1-126-960-11	FLECT	1uF	20% 50V
		< JUMPER RESIS	STOR >							(DA4ES/DA7ES)
						C53	1-126-960-11	ELECT	1uF	20 <sup>°</sup> % 50V ′
JR260	1-216-296-11	SHORT CHIP	0							(DA7ES)
JR261	1-216-296-11		0			C61	1-126-947-11	ELECT	47uF	20% 16V
JR263	1-216-296-11		0							(DA4ES/DA7ES)
JW284	1-216-296-11	SHORT CHIP	0	(DA4I	ES/DA7ES)	C62	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F	50V
										(DA4ES/DA7ES)
		< COIL >								
						C63	1-126-961-11	ELECT	2.2uF	20% 50V
L206	1-410-482-31	INDUCTOR	100uH (D.							(DA4ES/DA7ES)
L207	1-410-482-31	INDUCTOR	100uH (D.	A4ES/DA	7ES)	C65	1-126-767-11	ELECT	1000uF	20% 16V
L208	1-410-482-31	INDUCTOR	100uH							(DA4ES/DA7ES)
L209	1-410-482-31	INDUCTOR	100uH			C66	1-126-767-11	ELECT	1000uF	20% 16V
										(DA4ES/DA7ES)
		< TRANSISTOR >	•			C67	1-126-767-11	ELECT	1000uF	20% 16V
0007		TD		<b>*</b>						(DA7ES)
Q207	8-729-027-43	TRANSISTOR D	IC114EKA-	1146				0011150705		
		BEOLOTOR						< CONNECTOR :	>	
		< RESISTOR >				ONDEO	4 704 000 44	DIN CONNECTO	ND 30 (D 1 45)	0/04750)
D004	1 040 000 00	MACTAL OLUD	75	E0/	4 (4 0)4(	CNP52	1-784-923-11	PIN, CONNECTO	JR 7P (DA4E	S/DA7ES)
R201	1-216-022-00	METAL CHIP	75 75	5%	1/10W			DIODE		
R202	1-216-022-00		75 75	5%	1/10W			< DIODE >		
R203 R204	1-216-022-00	METAL CHIP	75 75	5%	1/10W	DCO	0.740.000.04	DIODE 4000F	TE 47	
R205	1-216-022-00 1-216-022-00	METAL CHIP	75 75	5% 5%	1/10W 1/10W	D60 D61		DIODE 1SS355 LED SID307BF		
11200	1-210-022-00	WETAL UNIF	75	370	1/1044	D63	1-216-296-11		0	
R206	1-216-022-00	METAL CHIP	75	5%	1/10W	D64	1-216-296-11		0	
R207	1-216-022-00		75 75	5%	1/10W	D65		DIODE 1SS355	-	
R234	1-216-073-00		10K	5%	1/10W	000	0 713 300-01	DIODE 100000	)   <u>C</u> -11	
R240	1-216-097-11		100K	5%	1/10W			< IC >		
	1 210 007 17	1120 01111	70010		ES/DA7ES)			(10)		
R253	1-216-022-00	METAL CHIP	75	5%	1/10W	IC61	8-759-459-85	IC NJL63H400	A (DA4FS/DA	17FS)
	7 - 10 0 00		. •		S/DA7ES)	IC63		IC TC7W53FU(		
				(	,			, . , . , . , . , . , . , . ,	/ (	.20,217,20,
R256	1-216-049-11	RES-CHIP	1K	5%	1/10W			< JACK >		
R257	1-216-022-00	METAL CHIP	75	5%	1/10W					
R258	1-216-022-00	METAL CHIP	75	5%	1/10W	J51	1-563-330-11	JACK (TRIGGER	MAIN ROOM	/I) (DA4ES/DA7ES)
R259	1-216-022-00	METAL CHIP	75	5%	1/10W	J52	1-563-330-11	JACK (TRIGGER	2ND ROOM	(DA4ES/DA7ES)
R260	1-216-022-00	METAL CHIP	75	5%	1/10W	J53	1-563-330-11	JACK (TRIGGER	3RD ROOM	(DA7ES)
						J54	1-563-330-11	JACK (IR IN) (DA		
R261	1-216-022-00	METAL CHIP	75	5%	1/10W	J55	1-563-330-11	JACK (IR OUT 1	) (DA4ES/DA	, 7ES)
R262	1-216-022-00	METAL CHIP	75	5%	1/10W				•	,
R263	1-216-022-00	METAL CHIP	75	5%	1/10W	J56	1-563-330-11	JACK (IR OUT 2	) (DA4ES/DA	7ES)
R264	1-216-022-00	METAL CHIP	75	5%	1/10W					
R265	1-216-022 <del>-</del> 00	METAL CHIP	75	5%	1/10W			< TRANSISTOR	>	
R266	1-216-049-11	RES-CHIP	1K	5%	1/10W	Q51		TRANSISTOR 2		
R267	1-216-049-11	RES-CHIP	1K	5%	1/10W	Q52	8-729-027 <b>-</b> 43	TRANSISTOR [	OTC114EKA-	
R268	1-216-049-11	RES-CHIP	1K	5%	1/10W					(DA4ES/DA7ES)
R271	1-216-022-00	METAL CHIP	75	5%	1/10W	Q53		TRANSISTOR 2		
DOZE	1 010 000 0	AAFTA: OUT	7-		ES/DA7ES)	Q54	8-729-027-43	TRANSISTOR [	TC114EKA-	
R275	1-216-022-00	METAL CHIP	75	5%	1/10W	055	0.700.115.55	TD ANOTOTES	OD=0 : - :	(DA4ES/DA7ES)
				(DA4	ES/DA7ES)	Q55	8-729-140-97	TRANSISTOR 2	2SB734-34 ([	JA7ES)
R280	1 010 000 00	NACTAL OUTD	75	E0/	1/1/14	050	0.700.007.40	TRANSPORTS	T04 4 4 5 14 5	E4 40 (D.E===0)
R291	1-216-022-00 1-216-295-11	METAL CHIP SHORT CHIP	75 0	5%	1/10W	Q56	0-129-021-43	TRANSISTOR [	JIG114EKA-1	1146 (DA/ES)
11231	1-210-290-11	SHUNI UNIF	U		ı					

							CIS	CIS PO	WER	CL	OCK
Ref. No:	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
		< RESISTOR >				C832	1-126-942-61	ELECT	1000uF	20%	25V
R51 R52	1-801-726-11 1-216-073-00	THERMISTOR, PORES-CHIP	OSITIVE (DA 10K	5%	1/10W	C833	1-126-768-11	ELECT	2200uF	20%	(DA7ES) 16V (DA7ES)
R53	1-216-057-00	METAL CHIP	2.2K	5%	(S/DA7ES) 1/10W (S/DA7ES)			< CONNECTOR >			
R54	1-801-726-11	THERMISTOR, PO	SITIVE (DA			* CN810	1-564-720-11	PIN, CONNECTO	R (SMALL T	YPE) 4P	
R55	1-216-073-00	RES-CHIP	10K	5% (D <b>A</b> 4E	1/10W (S/DA7ES)	CNP809	1-564-718-11	PIN, CONNECTO	R (SMALL T	YPE) 2P	ES/DA7ES) ES/DA7ES)
R56	1-216-057-00	METAL CHIP	2.2K	5% (DA4E	1/10W S/DA7ES)	-		< DIODE >		רתט	LO/DA/LO)
R57	1-801-726-11 1-216-073-00	THERMISTOR, PO	•	,	1/1014/	D001	0 710 000 70	DIODE 11FOCO	AN TOE (DA	4FC/D 47	FC)
R58	1-216-073-00	KES-CHIP	10K	5%	1/10W (DA7ES)	D821 D822	8-719-080-70 8-719-080-70	DIODE 11EQSO- DIODE 11EQSO-			
R59	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	D823	8-719-080-70	DIODE 11EQSO	4N-TB5 (DA	4ES/DA7	ES)
R60	1-216-025-11	RES-CHIP	100	5%	(DA7ES) 1/10W	D824 D825	8-719-080-70 8-719-080-70	DIODE 11EQSO-			ES)
				(DA4E	S/DA7ES)	D826	8-719-080-70	DIODE 11EQSO	AN-TRS (DA	7F\$\	
R61	1-216-073-00	RES-CHIP	10K	5% (DA4E	1/10W S/DA7ES)	DOEG	0 1 10 000 70	< IC >	אט) טטר אווי	reoj	
R62	1-216-097-11	RES-CHIP	100K	5%	1/10W	10001	0.750.001.50		AEC /D A 7EC	,	
R63	1-216-025-11	RES-CHIP	100	5%	S/DA7ES) 1/10W	IC801 IC802	8-759-231-58	IC TA7812S (DA	4ES/DA7ES		
R64	1-216-025-11	RES-CHIP	100	5%	S/DA7ES) 1/10W	IC803 *******		IC TA7812S (DA		*****	******
R65	1-216-025-11	RES-CHIP	100	5%	S/DA7ES) 1/10W S/DA7ES)		A-4728-895-A	CLOCK BOARD, (		(AEP)	
R66	1-216-073-00	RES-CHIP	10K	5%	1/10W			< CAPACITOR >			
R67	1-216-025-11	RES-CHIP	100	5%	(S/DA7ES) 1/10W (S/DA7ES)	C256	1-163-235-11	CERAMIC CHIP	22PF	5%	50V (AEP)
R68	1-216-001-00	METAL CHIP	10	5%	1/10W S/DA7ES)	C257	1-163-091-00	CERAMIC CHIP	8PF		50V (AEP)
R69	1-216-073-00	RES-CHIP	10K	5%	1/10W S/DA7ES)	C258	1-163-091-00	CERAMIC CHIP	8PF		50V (AEP)
R70	1-216-073-00	RES-CHIP	10K	5%	1/10W S/DA7ES)	C259	1-163-235-11	CERAMIC CHIP	22PF	5%	50V (AEP)
R71	1-216-073-00	RES-CHIP	10K	5%	1/10W	C260	1-165-319-11	CERAMIC CHIP	0.1uF		50V (AEP)
R72	1-216-097-11	RES-CHIP	100K	5%	(DA7ES) 1/10W	C261	1-128-840-11	ELECT	47uF	20%	16V
*****	******	*******	******	`	S/DA7ES) ******	C2010	1-165-319-11	CERAMIC CHIP	0.1uF		(AEP) 50V (AEP)
	A-4729-692-A	CIS POWER BOAF		,	S/DA7ES)			< CONNECTOR >			(/ 12.1 )
		< CAPACITOR >				CNS202	1-770-593-41	CONNECTOR, BO	ARD TO BO	ARD 5P (	AEP)
C825	1-126-943-11	ELECT	2200uF	20% (D <b>A</b> 4F	25V S/DA7ES)			< TRIMMER >			
C826	1-126-942-61	ELECT	1000uF	20%	25V	CT201		CAP, CERAMIC TE		, ,	
C827	1-126-768-11	ELECT	2200uF	20%	S/DA7ES)   16V S/DA7ES)	CT202	1-141-442-91	CAP, CERAMIC TE		PF (AEP)	
C828	1-126-943-11	ELECT	2200uF	20%	S/DA7ES)   25V	ED000	1 414 040 44	< FERRITE BEAD			
C829	1-126-942-61	ELECT	1000uF	20%	S/DA7ES) 25V S/DA7ES)	FB203	1-414-813-11	FERRITE, EMI (SM < IC >	MD) (AEP)		
C830	1-126-768-11	ELECT	2200uF	20%	16V	IC207	8-759-242-70	IC TC7WU04F (A	NEP)		
C831	1-126-943-11	ELECT	2200uF	(DA4E 20%	S/DA7ES) 25V	IC208		IC MC74HC00AF	,		
230.					(DA7ES)						

CLOCK	DC	DIGITAL
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Ref. No.	Part No.	<u>Description</u> < RESISTOR >			Remark	<u>Ref. N</u>	<u>No.</u> 11	<u>Part No.</u> 8-719-057-00	Description DIODE UD	7-TF	-17-36B		<u>Remark</u>
R242	1-216-025-11		100	5%	1/10W	D8 D8	12 13	8-719-083-89 8-719-083-89	DIODE 118	S2N S2N	-TB5 -TB5		
R243	1-216-035-00	METAL CHIP	270	5%	(AEP) 1/10W	D8 D8		8-719-056-77 8-719-070-30	DIODE UD			4333ES)	
R244	1-216-035-00	METAL CHIP	270	5%	(AEP) 1/10W				< JUMPER	RESI	STOR >		
R269	1-216-025-11	RES-CHIP	100	5%	(AEP) 1/10W	JR	801	1-216-295-11	SHORT CHI	D	0	(D <b>A</b> 4	ES/DA7ES)
R270	1-216-025-11	RES-CHIP	100	5%	(AEP) 1/10W (AEP)				< TRANSIS	OR :	>		
R276	1-216-121-11	RES-CHIP	1M	5%	1/10W	Q8	01	8-729-140-96	TRANSISTO	R 2	SD774-34		
R277	1-216-121-11	RES-CHIP	1M	5%	(AEP) 1/10 <b>W</b>	i E			< RESISTOR	<b>}</b> >			
		< VIBRATOR >			(AEP)	R8 R8 R8 <u></u>	02 03	1-216-061-11 1-249-401-11 1-216-081-00 1-216-349-00			3.3K 47 22K 1	5% 5% 5% 5%	1/10W 1/4W 1/10W 1W F
X200 X201		VIBRATOR, CRYS	•	, ,	,	<u></u>		1-216-349-00			1	5%	1W F
******		*******	,	, ,	,			1-216-349-00 1-216-349-00			1	5% 5%	1W F 1W F
		DC BOARD, COM DC BOARD, COM	PLETE (DA4	,	ES)	R8	80	1-249-416-11	CARBON	_	820	5%	1/4W
	1-533-399-31	HOLDER, FUSE						A-4728-884-A A-4728-897-A A-4728-923-A	DIGITAL BO	ARD,	COMPLETE	(AEP)	,
		< CAPACITOR >						A-4728-962-A		ARD,	COMPLETE	(TW,KR	
<b>△</b> C801	1-106-375-12	MYLAR	0.022uF	(DΔ4	200V ES/DA7ES)	*		3-309-144-21	HEAT SINK				
<b>△</b> C801	1-115-684-21	MYLAR	0.0047uF	5%	100V (VA333ES)			4-242-610-11 4-974-510-11	HEAT SINK			'ES)	
<b>△</b> C802	1-106-375-12	MYLAR	0.022uF		200V ES/DA7ES)			7-685-646-79	SCREW +BV			Г-3 (D <b>A</b> 4)	ES)
<b>△</b> C802	1-115-684-21	MYLAR	0.0047uF	5%	100V (VA333ES)				< CAPACITO	R >			
<b>∆</b> C803	1-137-666-12	ELECT	15000uF	20%	71V		101 102	1-163-009-11 1-165-319-11	CERAMIC CI		0.001uF 0.1uF	10%	50V 50V
△ C804 C805	1-137-666-12 1-128-860-11		15000uF 47uF	20% 20%	71V 50V	C1:	103	1-163-251-11 1-119-834-11	CERAMIC CI		100PF 22uF	5% 20%	50V 50V 63V
C808	1-127-732-51	ELECT	2200uF	20%	35V								(AEP
C809 C812	1-127-732-51 1-128-860-11	ELECT ELECT	2200uF 47uF	20% 20%	35V 50V	G1	104	1-128-858-11	ELEGI		22uF	20% (EX	25V Cept <b>A</b> ep
<b>△</b> C815	1-128-873-11		220uF	20%	63V		105	1-165-319-11	CERAMIC CI		0.1 <b>u</b> F		50V
C816 <b>△</b> C822	1-128-860-11 1-106-377-00	ELECT MYLAR	47uF 0.027uF	20% 200V	50V	C1 <sup>-</sup>	106 107	1-165-319-11 1-163-227-11	CERAMIC CI CERAMIC CI		0.1uF 10PF	0.5PF	50V 50V
C823 C824	1-126-939-11 1-127-727-11	ELECT ELECT	10000uF 1000uF	20% 20%	16V 16V		108 109	1-163-227-11 1-119-799-11	CERAMIC CI ELECT	ΗP	10PF 47uF	0.5PF 20%	50V 16V
0024	1-121-121-11	< CONNECTOR >	100001	2070	100	01	103	1-115-135-11	CLEUI		4/UF	2070	(AEP
* CN801	1-564-104-00	PIN, CONNECTOR	2 /2 06mm	DITCU\ 2	ıD.	C1 <sup>-</sup>	109	1-128-840-11	ELECT		47uF	20%	16V
CNP801	1-784-926-11	PIN, CONNECTOR	₹ 11P	,	''		110	1-165-319-11	CERAMIC CI		0.1uF	(EX	CEPT AEP; 50V
CNP802	1-691-768-11 1-785-102-21	PLUG (MICRO CO PIN, CONNECTOR			.P	C11	111 112	1-165-319-11 1-165-319-11	CERAMIC CI		0.1uF 0.1uF		50V 50V
CNP804	1-691-769-11	PLUG (MICRO CO					113	1-119-791-31	ELECT		330uF	20%	16V (AEP
		< DIODE >				C1*	113	1-128-846-11	ELECT		330uF	20%	16V
D801 D803	6-500-347-01 8-719-083-89	DIODE S15VB20 DIODE 11ES2N-					114	1-165-319-11		מוו			CEPT AEP
D804	8-719-083-89	DIODE 11ES2N-	TB5				115	1-163-021-11	CERAMIC CH		0.1uF 0.01uF	10%	50V 50V
D805 D806	8-719-083-89 8-719-083-89	DIODE 11ES2N- DIODE 11ES2N-					116 117	1-104-760-11 1-125-838-11	CERAMIC CH		0.047uF 2.2uF	10% 10%	50V 6.3V
D807	8-719-510-53	DIODE D4SB601	-				mark	components id	e with mark	mai	composants rque \( \Delta \) sont écurité.		
86							Repl	ace only with p	•	Ne	ecunte. les remplace tant le numé		

Ref. No.	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C1118	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1504	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1119	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1505	1-119-801-21	ELECT	220uF	20%	16V
C1120	1-163-005-11	CERAMIC CHIP	470PF	10%	50V						(AEP)
C1121	1-119-822-11	ELECT	3.3uF	20%	50V	C1505	1-127-719-11	ELECT	220uF	20%	16V
C1122	1-119-779-11	ELECT	220uF	20%	10V					(E	(CEPT AEP)
					(AEP)	C1506		CERAMIC CHIP	0.1 <b>u</b> F		50V
0						C1507	1-119-801-21	ELECT	220uF	20%	16V
C1122	1-128-832-11	ELECT	220uF	20%	10V						(AEP)
04004	4 405 040 44	0554440 01115	0.4.5	(EX	CEPT AEP)	0.500		5, 507			
C1201	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1507	1-127-719-11	ELECT	220uF	20%	16V
C1202	1-165-319-11	CERAMIC CHIP	0.1uF		50V	04.500	1 105 010 11	OFDAMIO OLUD	0.4 5	(E)	(CEPT AEP)
C1203 C1204	1-165-319-11 1-165-319-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		50V 50V	C1508 C1509	1-165-319-11 1-165-319-11		0.1uF		50V
6120 <del>4</del>	1-100-319-11	GENAIMIG GHIF	U.Tur		30 V	C1509	1-165-319-11		0.1uF 0.1uF		50V 50V
C1205	1-119-801-21	FLECT	220uF	20%	16V	C1511	1-165-319-11		0.1uF		50V 50V
01200	1 113 001 21	LLLOI	ZZOUI	2070	(AEP)	01011	1 100 010 11	OLITAWIO OTIII	U.Tui		J0 V
C1205	1-127-719-11	ELECT	220uF	20%	16V	C1512	1-165-319-11	CERAMIC CHIP	0.1uF		50V
					CEPT AEP)	C1513	1-165-319-11		0.1uF		50V
C1206	1-165-319-11	CERAMIC CHIP	0.1uF	`	50V	C1514	1-165-319-11		0.1uF		50V
C1207	1-119-801-21	ELECT	220uF	20%	16V	C1515	1-165-319-11	CERAMIC CHIP	0.1uF		50V
					(AEP)	C1516	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1207	1-127-719-11	ELECT	220uF	20%	16V						
				(EX	CEPT AEP)	C1517	1-165-319-11	CERAMIC CHIP	0.1uF		50V
						C1518	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1208	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1601	1-119-824-11	ELECT	10uF	20%	50V
C1209	1-165-319-11	CERAMIC CHIP	0.1uF		50V	04004	4 440 004 04	EL EOT	40.5		(CEPT AEP)
C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1601	1-119-824-31	ELECT	10uF	20%	50V
C1211 C1212	1-165-319-11 1-165-319-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		50V 50V	C1602	1-165-319-11	CERAMIC CHIP	0.1		(AEP)
01212	1-103-319-11	CENAIMIC CITIF	U.Tur		30 V	01002	1-103-319-11	CENAIVIIG GHIP	0.1 <b>u</b> F		50V
C1213	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	C1603	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1214	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	C1604	1-119-801-21	ELECT	220uF	20%	16V
C1215	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	0,00	1 110 001 21	ELLO	22001	2070	(AEP)
C1216	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	C1604	1-127-719-11	ELECT	220uF	20%	16V
C1217	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V						CEPT AEP)
						C1605	1-119-824-11	ELECT	10uF	20%	50V <sup>′</sup>
C1218	1-165-319-11	CERAMIC CHIP	0.1uF		50V					(EX	CEPT AEP)
C1219	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1605	1-119-824-31	ELECT	10uF	20%	50V
C1221	1-165-319-11	CERAMIC CHIP	0.1uF		50V						(AEP)
C1401	1-165-319-11	CERAMIC CHIP	0.1uF		50V						
C1402	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1606	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1403	1 165 210 11	CERAMIC CHIP	0 1 uE		50V	C1607 C1608	1-165-319-11	CERAMIC CHIP	0.1uF	000/	50V
C1403		CERAMIC CHIP	0.1uF 0.1uF		50V 50V	61000	1-119-791-31	ELEGI	330uF	20%	16V
C1404		CERAMIC CHIP	0.1uF		50V 50V	C1608	1-128-846-11	FLECT	330uF	20%	(AEP) 16V
C1406		CERAMIC CHIP	0.1uF		50V	01000	1 120 010 11	LLLO	oooui		CEPT AEP)
C1407	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1609	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1408	1-119-801-21	ELECT	220uF	20%	16V	C1610	1-165-319-11	CERAMIC CHIP	0.1uF		50V
					(AEP)	C1611		CERAMIC CHIP	0.1uF		50V
C1408	1-127-719-11	ELECT	220uF	20%	16V	C1612	1-119-824-11	ELECT	10uF	20%	50V
0.1100		0554440 01115		(EX	CEPT AEP)	0.000					CEPT AEP)
C1409		CERAMIC CHIP	0.1uF	000/	50V	C1612	1-119-824-31	ELECT	10uF	20%	50V
C1410	1-119-801-21	ELECT	220uF	20%	16V	01010	1 105 010 11	CEDARAIC CUID	0.4		(AEP)
C1410	1-127-719-11	ELECT	220uF	20%	(AEP) 16V	C1613	1-165-319-11	CERAMIC CHIP	0.1uF		50V
61410	1-121-119-11	ELECT	ZZUUF		CEPT AEP)	C1614	1-119-801-21	ELECT	220uF	20%	16V
				(LX	OLI I ALI )	01014	1-115-001-21	LLLOI	220ur	20 /0	(AEP)
C1411	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	C1614	1-127-719-11	ELECT	220uF	20%	16V
C1412	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V	0.0.,		LLLOI	ZZOUI		CEPT AEP)
C1413		CERAMIC CHIP	0.1uF		50V	C1615	1-165-319-11	CERAMIC CHIP	0.1uF	(27)	50V
C1414		CERAMIC CHIP	0.1uF		50V	C1616	1-119-791-31	ELECT	330uF	20%	16V
C1415	1-165-319-11	CERAMIC CHIP	0.1uF		50V						(AEP)
						C1616	1-128-846-11	ELECT	330uF	20%	16V
C1416		CERAMIC CHIP	0.1uF		50V					(EX	CEPT AEP)
C1417		CERAMIC CHIP	0.1uF		50V						
C1419		CERAMIC CHIP	0.1uF		50V	C1617	1-165-319-11		0.1uF	<b></b>	50V
C1501	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C1627	1-137-434-11	MYLAR	0.0018uF		50V
C1502	1-105-319-11	CERAMIC CHIP	0.1uF		50V	C1628	1-137-434-11		0.0018uF		50V
C1503	1-165-910-11	CERAMIC CHIP	0.1uF		50V	C1629	1-137-434-11	WITLAN	0.0018uF	J%	50V
01303	1 100-015-11	SENAMIO GIBE	o. rui		JU V	,					

#### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C1630 C1631	1-137-434-11	MYLAR MYLAR	0.0018uF		50V 50V	C1708 C1709	1-137-365-11 1-165-319-11	MYLAR CERAMIC CHIP	0.0015uF 0.1uF	5%	50V 50V
C1632	1-137-434-11 1-137-434-11	MYLAR	0.0018uF 0.0018uF	5% 5%	50V	C1709 C1710	1-119-824-11	ELECT	0.1 <b>u</b> F 10uF	20%	50V 50V
C1633 C1634	1-137-434-11 1-137-434-11	MYLAR MYLAR	0.0018uF 0.0018uF	5% 5%	50V 50V	C1710	1-119-824-31	ELECT	10uF	(EX 20%	CEPT AEP) 50V
C1635	1-137-428-11	MYLAR	180PF	5%	50V	C1711	1-119-835-31	ELECT	33uF	20%	(AEP) 63V
C1636 C1637	1-137-428-11 1-137-428-11	MYLAR MYLAR	180PF 180PF	5% 5%	50V 50V						(AEP)
C1638	1-137-428-11	MYLAR	180PF	5%	50V	C1711	1-128-839-11	ELECT	33uF	20%	16V
C1639	1-137-428-11	MYLAR	180PF	5%	50V	C1712	1-119-835-31	ELECT	33uF	(EX 20%	CEPT AEP) 63V
C1640	1-137-428-11	MYLAR	180PF	5%	50V						(AEP)
C1641 C1642	1-137-428-11 1-137-428-11	MYLAR MYLAR	180PF 180PF	5% 5%	50V 50V	C1712	1-128-839-11	ELECT	33uF	20% (EX	16V CEPT AEP)
C1643	1-119-835-31	ELECT	33uF	20%	63V	C1713	1-165-319-11	CERAMIC CHIP	0.1uF	,	50V
C1643	1-128-839-11	ELECT	33uF	20%	(AEP) 16V	C1714	1-165-319-11	CERAMIC CHIP	0.1uF		50V
				(EX	CEPT AEP)	C1801	1-119-800-11	ELECT	100uF	20%	16V (AEP)
C1644	1-119-835-31	ELECT	33uF	20%	63V (AEP)	C1801	1-127-718-11	ELECT	100uF	20% (FX	16V CEPT AEP)
C1644	1-128-839-11	ELECT	33uF	20% (EX	16V CEPT AEP)	C1803	1-119-800-11	ELECT	100uF	20%	16V (AEP)
C1645	1-119-835-31	ELECT	<b>33</b> uF	20%	63V (AEP)	C1803	1-127-718-11	ELECT	100uF	20%	16V CEPT AEP)
C1645	1-128-839-11	ELECT	33uF	20%	16V CEPT AEP)	C1805	1-119-800-11	ELECT	100uF	20%	16V
C1646	1-119-835-31	ELECT	33uF	20%	63V						(AEP)
					(AEP)	C1805	1-127-718-11	ELECT	100uF	20% (EX	16V CEPT AEP)
C1646	1-128-839-11	ELECT	33uF	20% (EX	16V CEPT AEP)	C1807	1-119-800-11	ELECT	100uF	20%	16V (AEP)
C1647	1-119-835-31	ELECT	33uF	20%	63V (AEP)	C1807	1-127-718-11	ELECT	100uF	20% (FX	16V CEPT AEP
C1647	1-128-839-11	ELECT	<b>3</b> 3uF	20% (FX)	16V CEPT AEP)	C1809 C1811	1-126-930-11 1-137-662-11	ELECT ELECT	6800uF 6800uF	20% 20%	10V 6.3V
C1648	1-119-835-31	ELECT	33uF	20%	63V (AEP)	C1813	1-119-800-11	ELECT	100uF	20%	16V
C1648	1-128-839-11	ELECT	33uF	20%	16V						(AEP)
				(EXI	CEPT AEP)	C1813	1-127-718-11	ELECT	100uF	20% (EX	16V CEPT AEP
C1649	1-119-835-31	ELECT	33uF	20%	63V (AEP)	C1815	1-125-890-11	ELECT	1000uF	20%	6.3V (AEP)
C1649	1-128-839-11	ELECT	33uF	20% (EX	16V CEPT AEP)	C1815	1-137-658-11	ELECT	1000uF	20% (EX	6.3V CEPT AEP
C1650	1-119-835-31	ELECT	33uF	20%	63V (AEP)	C1817	1-119-800-11	ELECT	100uF	20%	16V (AEP
C1650	1-128-839-11	ELECT	33uF	20%	16V CEPT AEP)	C1817	1-127-718-11	ELECT	100uF	20%	16V
C1651	1-165-319-11	CERAMIC CHIP	0.1uF	(EX	50V					(EX	CEPT AEP
C1701	1-119-801-21	ELECT	220uF	20%	16V	C1819 C1821	1-128-556-11 1-163-235-11	ELECT CERAMIC CHIP	1000uF 22PF	20% 5%	6.3V 50V
C1701					(AEP)	C1822	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
	1-127-719-11	ELEUI	220uF	20% (EX	16V CEPT AEP)	C1825	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1702 C1703		CERAMIC CHIP	0.1uF		50V	C1901	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C1703	1-119-824-11	CERAMIC CHIP	0.1uF 10uF	20%	50V 50V	C1902 C1903	1-165-319-11 1-163-251-11	CERAMIC CHIP	0.1นF 100PF	5%	50V 50V
	. 110 02 111				CEPT AEP)	C1904	1-165-319-11	CERAMIC CHIP	0.1uF	3,0	50V
C1704	1-119-824-31	ELECT	10uF	20%	50V	C1905	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1705			0.1		(AEP)	C1906	1-128-840-11	ELECT	47uF	20%	16V
C1705	1-165-319-11	CERAMIC CHIP ELECT	0.1uF 100uF	20%	50V 16V	C1907 C1908	1-165-319-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.01uF		50V 50V
		= <del></del>			(AEP)	C2001	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1706	1-127-718-11	ELECT	100uF	20% (EX)	16V CEPT <b>A</b> EP)	C2002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1707	1-137-365-11	MYLAR	0.0015uF		50V	C2003	1-165-319-11	CERAMIC CHIP	0.1uF		50V

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### STR-DA4ES/DA7ES/VA333ES

								L	
Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description	Remark
C2004	1-165-319-11	CERAMIC CHIP	0.1uF		50V	CN2105	1-784-776-11		
C2005	1-165-319-11		0.1uF		50V		1-784-776-11		
C2006		CERAMIC CHIP	0.1uF		50V		1-568-838-11		
C2007	1-128-840-11		47uF	20%	16V	0.12.01	1 000 000 11	001111201011,110211	
C2008	1-165-319-11		0.1uF	2070	50V			< DIODE >	
C2009	1-163-259-11	CERAMIC CHIP	220PF	5%	50V	D1101	8-719-988-61	DIODE 1SS355TE-17	
C2010	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D1102	8-719-988-61	DIODE 1SS355TE-17	
C2012	1-165-319-11		0.1uF		50V	D1803	8-719-053-18		
C2013	1-165-319-11		0.1uF		50V	D1804	8-719-053-18		
C2014	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D1805	8-719-053-18	DIODE 1SR154-400TE-25	
C2015	1-165-319-11	CEDAMIC CUID	0.1uF		50V	D1000	0 710 050 10	DIODE 100164 400TF 05	
C2015	1-165-319-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		50V 50V	D1806 D1812	8-719-053-18 8-719-988-61	DIODE 1SR154-400TE-25 DIODE 1SS355TE-17	
C2017	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D1901	8-719-801-78	DIODE 1553551E-17	
C2018	1-165-319-11		0.1uF		50V	D1901	8-719-988-61	DIODE 133164 DIODE 1SS355TE-17	
C2019	1-165-319-11		0.1uF		50V	D1903	8-719-988-61	DIODE 1SS355TE-17	
02010		021711110	0.14.		001	D 1000	0 7 10 000 01	2,022 10000012 17	
C2101	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D2001	8-719-988-61	DIODE 1SS355TE-17	
C2102	1-165-319-11	CERAMIC CHIP	0.1uF		50V	D2002	8-719-801 <b>-</b> 78	DIODE 1SS184	
C2103	1-165-319-11	CERAMIC CHIP	0.1 uF		50V	D2003	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT AI	EP)
C2109	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V				
00440	4 440 004 44	FLEOT	40.5	000/	(AEP)			< FERRITE BEAD >	
C2110	1-119-824-11	ELECT	10uF	20%	50V	FD1101	1 460 150 11	FEDDITE FMI (CMD)	
					(AEP)			FERRITE, EMI (SMD)	
C2111	1_165_210_11	CERAMIC CHIP	0.1 <b>u</b> F		50V			FERRITE, EMI (SMD) FERRITE, EMI (SMD)	
02111	19100-019-11	GENAIVIIO GITIF	o. rui		(AEP)			FERRITE, EMI (SMD)	
C2112	1-119-824-11	FLECT	10uF	20%	50V			FERRITE, EMI (SMD)	
02				2070	(AEP)			(Ollid)	
C2113	1-163-263-11	CERAMIC CHIP	330PF	5%	50V ´	FB1106	1-500-245-11	INDUCTOR, FERRITE BEAD	
					(AEP)	FB1107	1-414-231-22	INDUCTOR, FERRITE BEAD	
C2114	1-163-249-11	CERAMIC CHIP	82PF	5%	50V			INDUCTOR, FERRITE BEAD	
00445	4 400 040 44	OFD ASSIG OUID	4705	50/	(AEP)			INDUCTOR, FERRITE BEAD	
C2115	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	FB1202	1-469-152-11	FERRITE, EMI (SMD)	
					(AEP)	FR1203	1-414-231-22	INDUCTOR, FERRITE BEAD	
C2116	1-165-319-11	CERAMIC CHIP	0.1uF		50V			FERRITE, EMI (SMD)	
02110	1 100 010 11	OLITA WITO OTTO	0.141		(AEP)			FERRITE, EMI (SMD)	
C2117	1-165-319-11	CERAMIC CHIP	0.1uF		50V			INDUCTOR, FERRITE BEAD	
C2118		CERAMIC CHIP	0.1uF		50V			FERRITE, EMI (SMD)	
C2119	1-165-319-11	CERAMIC CHIP	0.1uF		50V				
C2120	1-165-319-11	CERAMIC CHIP	0.1uF		50V	FB1602	1-469-152-11	FERRITE, EMI (SMD)	
						FB1603	1-469-152-11	FERRITE, EMI (SMD)	
C2121	1-165-319-11	CERAMIC CHIP	0.1uF		50V			FERRITE, EMI (SMD)	
C2122		CERAMIC CHIP	0.1uF		50V			FERRITE, EMI (SMD)	
C2123		CERAMIC CHIP	0.1uF		50V	FB1901	1-500-245-11	INDUCTOR, FERRITE BEAD	
C2124		CERAMIC CHIP	0.1uF		50V	EDOOO:	4 400 450 41	EEDDITE EM (OTTE)	
C2125	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V			FERRITE, EMI (SMD)	
00400	1 110 000 11	ELECT	1 o⊏	200/	501/				
C2126	1-119-820-11	CERAMIC CHIP	1uF	20%	50V		1-500-245-11 1-500-245-11	INDUCTOR, FERRITE BEAD	
C2127 C2129	1-165-319-11 1-165-319-11		0.1uF 0.1uF		50V 50V		1-500-245-11	INDUCTOR, FERRITE BEAD INDUCTOR, FERRITE BEAD	
C2131	1-103-319-11		100uF	20%	16V	1 02 104	1 000-240-11	INDUCTOR, LEMBITE DEAD	
					CEPT AEP)	FB2105	1-500-245-11	INDUCTOR, FERRITE BEAD	
				, -	′			INDUCTOR, FERRITE BEAD	
		< CONNECTOR >						INDUCTOR, FERRITE BEAD	
						FB2108	1-500-245-11	INDUCTOR, FERRITE BEAD	
	1 1-784-927-11	PIN, CONNECTOR				FB2109	1-500-245-11	INDUCTOR, FERRITE BEAD	
	2 1-784-921-11	PIN, CONNECTOR							
	1 1-779-799-11					FB2110	1-500-245-11	INDUCTOR, FERRITE BEAD	
	1 1-784-923-11 2 1-564-320-00			ס ישרדום	<sub>D</sub>			∠ IC <b>&gt;</b>	
GINTOU	2 1-004-320-00	FIN, CONNECTOR	1 (0.90)1111	riiun) Zi	Γ			< IC >	
CN180	3 1-564-320-00	PIN, CONNECTOR	R (3.96mm	PITCH) 2	P	IC1101	8-759-825-15	IC LC89056W-E	
	1 1-784-776-11	•	•	, -				IC TC7WH74FU(TE12R)	
		CONNECTOR, FF						IC TC7WU04F	
	3 1-784-774-11					IC1104	8-759-546-74	IC TC7WH157FU(TE12R)	
CN210	4 1-784-774-11	CONNECTOR, FF	C 13P				6-702-047-01		

#### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description			Remark
IC1202		IC IS61LV6416-15T(ICSI)	· · · · · · · · · · · · · · · · · · ·			< TRANSISTO	3 5		
IC1203	8-759-523-84	IC IS61LV6416-15T(ICSI) IC TC74VHC14FT(EL) IC NJM2391DL1-26(TE1) IC TC7WH157FU(TE12R) IC CXD9616AR  IC W24L010AT-12-EL15 IC W24L010AT-12-EL15 IC TC74VHC14FT(EL) IC NJM2391DL1-26(TE1) IC CXD9616AR  IC IS61LV6416-15T(ICSI) IC TC74VHC14FT(EL) IC NJM2391DL1-26(TE1) IC PCM1737E-1/2K IC PCM1604Y/2K  IC NJM4580E-D IC NJM4580E-D IC NJM4580E-D IC TC7W14FU(TE12R)  IC AK5352-VF-E2 IC NJM4580E-D IC TC7SH08FU-TE85R IC UPC2933HF  IC BA05T				< 1111 WICIOTO			
IC1204	8-759-835-63	IC NJM2391DL1-26(TE1)		Q1101	8-729-027-43	TRANSISTOR	DTC114EKA-	T146	
IC1205	8-759-546-74	IC TC7WH157FU(TE12R)			8-729-027-43	TRANSISTOR	DTC114EKA-	T146	
IC1401	6-700-705-01	IC CXD9616AR		Q1601	8-729-141 <b>-</b> 26				
104.400				Q1602	8-729-141-26				
101402	6-700-296-01	IC W24L010AI-12-EL15		Q1603	8-729-141-26	TRANSISTOR	2SC3622A-LI	K	
101403	0-700-296-01	IC W24LU1UAI-12-EL15		01604	0 700 141 00	TDANCICTOD	DCCGCGGA III	v	
101404	8-750-825-62	IC NIM2201DL1_26/TE1)		Q1604 Q1605	8-729-141-26 8-729-141-26				
IC1501	6-700-705-01	IC CXD9616AR		Q1606	8-729-141-26				
10.00.	0 700 700 01	TO OXECUTORY		Q1607	8-729-141-26				
IC1502	6-700-983-01	IC IS61LV6416-15T(ICSI)		Q1608	8-729-141-26				
IC1503	8-759-523-84	IC TC74VHC14FT(EL)							
IC1504	8-759-835-63	IC NJM2391DL1-26(TE1)		Q1609	8-729-027-23			T146	
IC1601	6-701-086-01	IC PCM1737E-1/2K		Q1801	8-729-140-93				
IC1602	8-759-825-12	IC PCM1604Y/2K		Q1802	8-729-140-98				
104000	0.750.744.05	IO NUMATORE D		Q1803	8-729-027-23				
101603	8-759-711-85	IC NJM4580E-D		Q1804	8-729-027-43	TRANSISTUR	DIGITAEKA-	1146	
101604	8-750-711-85	10 NJM4580E-D		Q1805	8-729-140-93	TRANSISTOR	250722-24		
IC1606	8-759-711-85	1C NJM4500E-D		Q1806	8-729-140-93				
IC1607	8-759-277-63	IC TC7W14FH(TF12B)		Q1807	8-729-027-43			T146	
101001	0 700 277 00	10 10/11/11/0(12/2/1)		Q1901	8-729-024-91				
IC1701	8-759-462-08	IC AK5352-VF-E2		Q1902	8-729-024-91				
IC1702	8-759-711-85	IC NJM4580E-D							
IC1703	8-759-711-85	IC NJM4580E-D		Q1903	8-729-027-43				
IC1704	8-759-196-96	IC TC7SH08FU-TE85R		Q2001	8-729-024-91				
IC1801	8-759-647-10	IC uPC2933HF		Q2002	8-729-024-91				
104000	0 750 450 47	IO BACET		Q2003	8-729-027-43				
				Q2101	8-729-024-91	TRANSISTOR	2SC2712-GL-	·TE85L	
IC1803		IC uPC7805AHF IC TA79005S		02102	0 700 141 70	TRANSISTOR	OCCOCOAN TA	1145146	
IC1804		IC uPC2933HF			8-729-141-73 8-729-141-73				
IC1806	8-759-691-04			Q2103	8-729-140-93	TRANSISTOR	2SB733-34 (F	EXCEPT A	(FP)
101000	0 700 001 01	To shooke?		GE 101	0 720 110 00	110,010,010,1	200100 01 (1	-XOLI I A	·LI /
IC1807		IC uPC7805AHF				< RESISTOR >			
IC1808		IC uPC2933HF							
IC1809		IC uPC7812AHF		R1101	1-216-073-00	RES-CHIP	10K	5%	1/10W
IC1810	8-759-231-53			R1102	1-216-073-00	RES-CHIP	10K	5%	1/10W
IC1901	8-759-666-99	IC TMP87CH447U-1F23		R1103 R1104	1-216-025-11 1-216-025-11	RES-UHIP	100 100	5%	1/10W 1/10W
101902	8_750_508_06	IC S-80942ANMP-DD6-T2			1-216-025-11		4.7K	5% 5%	1/10W
IC1903		IC TC7S08FU(TE85R)		111100	1 210 003 11	TIEO OTTI	7.71	J /0	1/ 1 0 44
IC2001		IC MB91F155-2ES-X100		R1106	1-216-025-11	RES-CHIP	100	5%	1/10W
IC2002		IC BR24C16F-E2		R1107	1-216-025-11		100	5%	1/10W
IC2101	8-759-557-36	IC BU1924F-E2 (AEP)		R1109	1-216-033-00	METAL CHIP	220	5%	1/10W
				R1110	1-216-121-11		1 M	5%	1/10 <b>W</b>
IC2102		IC TC74HCT7007AF(EL)		R1112	1-216-025-11	RES-CHIP	100	5%	1/10W
IC2103		IC NJU3716M-T2		D4444	4 040 040 44	DEC OUR	412	Fo:	4 (4 0) 4 :
IC2104 IC2105		IC TC74HCT7007AF(EL)		R1114	1-216-049-11		1K	5%	1/10W
IC2105		IC TC74HCT7007AF(EL) IC MC74HC4050F		R1115 R1116	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W
102100	0-105-000-01	10 10101411040301		R1118	1-216-304-11		3.3	5%	1/10W
IC2107	8-759-008-37	IC MC74HC4050F		R1119	1-216-069-00		6.8K	5%	1/10W
IC2108		IC TC74HCT7007AF(EL)					0.0	0,0	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
IC2109		IC TC74HC595AF		R1120	1-216-089-11	RES-CHIP	47K	5%	1/10W
IC2110	8-759-058-62	IC TC7S08FU(TE85R)		R1121	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
IC2111	8-759-277-63	IC TC7W14FU(TE12R)		R1122	1-216-121-11		1 M	5%	1/10 <b>W</b>
100110				R1123	1-216-025-11		100	5%	1/10W
IC2112	8-759-450-49	IC BA07T (EXCEPT AEP)		R1124	1-216-089-11	RES-CHIP	47K	5%	1/10 <b>W</b>
		< JUMPER RESISTOR >		D1105	1-216-073-00	םבכ⁻טחום	101/	E0/	1/10 <b>W</b>
		COUNTENT NEOLOTUR >		R1125 R1126	1-216-073-00		10K 100K	5% 5%	1/10W 1/10W
JR1004	1-216-295-11	SHORT CHIP 0		R1201	1-216-037-11		100K	5% 5%	1/10W
JR1005	1-216-295-11			R1202	1-216-025-11		100	5%	1/10W
JR1007	1-216-295-11			R1203	1-216-025-11		100	5%	1/10W
				l R1204	1-216-295-11	SHORT CHIP	0		

### STR-DA4ES/DA7ES/VA333ES

<u>Ref. No.</u>	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R1205	1-216-025-11	RES-CHIP	100	5%	1/10W	R1423	1-216-025-11	RES-CHIP	100	5%	1/10W
R1206	1-216-025-11	RES-CHIP	100	5%	1/10W	R1424	1-216-025-11	RES-CHIP	100	5%	1/10W
R1207	1-216-025-11	RES-CHIP	100	5%	1/10W	R1425	1-216-025-11	RES-CHIP	100	5%	1/10W
R1208	1-216-025-11	RES-CHIP	100	5%	1/10W	R1426	1-216-025-11		100	5%	1/10W
R1209	1-216-025-11	RES-CHIP	100	5%	1/10W	R1427	1-216-025-11	RES-CHIP	100	5%	1/10W
111200	, 210 020			• / •	.,		, _ , , , , , , , , , , , , , , , , , ,			0,0	.,
R1210	1-216-025-11	RES-CHIP	100	5%	1/10W	R1428	1-216-025-11	RES-CHIP	100	5%	1/10W
R1211	1-216-025-11	RES-CHIP	100	5%	1/10W	R1429	1-216-025-11	RES-CHIP	100	5%	1/10W
R1213	1-216-025-11	RES-CHIP	100	5%	1/10W	R1430	1-216-025-11		100	5%	1/10W
R1216	1-216-295-11	SHORT CHIP	0		.,	R1431	1-216-025-11		100	5%	1/10W
R1218	1-216-025-11	RES-CHIP	100	5%	1/10W	R1432	1-216-025-11		100	5%	1/10W
111210	1 210 020 77	7120 01111		0,10	,,,,,,,,,		. 2.0 020	1120 01111	100	0,0	,,,,,,,,
R1219	1-216-295-11	SHORT CHIP	0			R1433	1-216-025-11	RES-CHIP	100	5%	1/10W
R1221	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1434	1-216-025-11	RES-CHIP	100	5%	1/10W
R1222	1-216-025-11	RES-CHIP	100	5%	1/10W	R1435	1-216-295-11	SHORT CHIP	0		
R1223	1-216-025-11	RES-CHIP	100	5%	1/10W	R1436	1-216-073-00		10K	5%	1/10W
R1224	1-216-025-11		100	5%	1/10W	R1437	1-216-073-00		10K		1/10 <b>W</b>
N1224	1-210-025-11	NEO-UNIF	100	J 70	1/1044	n 1407	1-210-073-00	NES-UNIF	IUN	5%	1/1044
R1225	1-216-025-11	RES-CHIP	100	5%	1/10W	R1438	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1226	1-216-025-11	RES-CHIP	100	5%	1/10W	R1439	1-216-073-00		10K	5%	1/10W
R1227	1-216-025-11	RES-CHIP	100	5%	1/10W	R1440	1-216-073-00		10K	5%	1/10W
						i					
R1228	1-216-025-11	RES-CHIP	100	5%	1/10W	R1501	1-216-025-11	RES-CHIP	100	5%	1/10W
R1229	1-216-025-11	RES-CHIP	100	5%	1/10W	R1502	1-216-025-11	RES-CHIP	100	5%	1/10W
R1230	1-216-025-11	RES-CHIP	100	5%	1/10W	R1503	1-216-025-11	RES-CHIP	100	5%	1/10W
	1-216-025-11										
R1231		RES-CHIP	100	5%	1/10W	R1504	1-216-025-11	RES-CHIP	100	5%	1/10W
R1232	1-216-025-11	RES-CHIP	100	5%	1/10W	R1506	1-216-295-11	SHORT CHIP	0		
R1233	1-216-025-11	RES-CHIP	100	5%	1/10W	R1507	1-216-295-11	SHORT CHIP	0		
R1234	1 <b>-</b> 216-025-11	RES-CHIP	100	5%	1/10W	R1508	1-216-025-11	RES-CHIP	100	5%	1/10W
D400E	4 040 005 44	DEC CHID	100	E0/	1/10/4/	D4 500	1.010.005.11	DEC OURD	400	F0/	4 (4 (0) 4)
R1235	1-216-025-11	RES-CHIP	100	5%	1/10W	R1509	1-216-025-11	RES-CHIP	100	5%	1/10W
R1236	1-216-025-11	RES-CHIP	100	5%	1/10W	R1510	1-216-025-11		100	5%	1/10W
R1237	1-216-025-11	RES-CHIP	100	5%	1/10W	R1511	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>
R1238	1-216-295-11	SHORT CHIP	0			R1512	1-216-025-11	RES-CHIP	100	5%	1/10W
R1239	1-216-025-11	RES-CHIP	100	5%	1/10W	R1513	1-216-025-11	RES-CHIP	100	5%	1/10W
R1240	1-216-025-11	RES-CHIP	100	5%	1/10W	R1514	1-216-025-11	RES-CHIP	100	5%	1/10W
R1241	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1515	1-216-025-11	RES-CHIP	100	5%	1/10W
R1242	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1516	1-216-025-11	RES-CHIP	100	5%	1/10W
R1243	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1517	1-216-025-11	RES-CHIP	100	5%	1/10W
R1244	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1518	1-216-025-11	RES-CHIP	100	5%	1/10W
R1245	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1520	1-216-295-11	SHORT CHIP	0		
R1246	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1522	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1247	1-216-295-11		0			R1523	1-216-025-11		100	5%	1/10W
R1248	1-216-295-11	SHORT CHIP	Õ			R1524	1-216-025-11		100	5%	1/10W
R1402	1-216-025-11	RES-CHIP	100	5%	1/10W	R1525	1-216-025-11		100	5%	1/10W
111402	1 210 025 11	NEO-OIII	100	J /0	1710	111020	1-210-020-11	neo-orni	100	J /0	1/1044
R1403	1-216-025-11	RES-CHIP	100	5%	1/10W	R1526	1-216-025-11	RES-CHIP	100	5%	1/10W
R1404	1-216-025-11	RES-CHIP	100	5%	1/10W	R1527	1-216-025-11	RES-CHIP	100	5%	1/10W
R1405	1-216-025-11	RES-CHIP	100	5%	1/10W	R1528	1-216-025-11		100	5%	1/10W
R1406	1-216-025-11	RES-CHIP	100	5%	1/10W	R1529	1-216-025-11		100	5%	1/10W
R1400	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>	R1529	1-216-025-11		100		1/10W
N1407	1-210-025-11	NEO-CITIF	100	J /6	1/1044	N 1550	1-210-025-11	neo-unir	100	5%	1/1044
R1408	1-216-295-11	SHORT CHIP	0			R1531	1-216-025-11	RES-CHIP	100	5%	1/10W
R1409	1-216-295-11	SHORT CHIP	0			R1533	1-216-025-11		100	5%	1/10W
R1410	1-216-025-11	RES-CHIP	100	5%	1/10W	R1534	1-216-025-11		100	5%	1/10W
						i i					
R1411	1-216-025-11	RES-CHIP	100	5%	1/10W	R1535	1-216-025-11		100	5%	1/10W
R1412	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>	R1536	1-216-025-11	RES-CHIP	100	5%	1/10W
R1413	1-216-025-11	RES-CHIP	100	5%	1/10W	R1537	1-216-025-11	RES-CHIP	100	5%	1/10W
R1413	1-216-025-11	RES-CHIP	100	5%	1/10W	R1538	1-216-025-11	RES-CHIP	100	5%	1/10W
				J 70	1/1044						
R1416	1-216-295-11	SHORT CHIP	0		4 14 614 .	R1539	1-216-025-11		100	5%	1/10W
R1418	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1540	1-216-025-11		100	5%	1/10W
R1419	1-216-025-11	RES-CHIP	100	5%	1/10W	R1541	1-216-025-11	RES-CHIP	100	5%	1/10W
R1420	1-216-025-11	RES-CHIP	100	5%	1/10W	D15#0	1-216-025-11	DEC CUID	100	E0/	1/1004/
R1420	1-216-025-11		100	5% 5%	1/10 <b>W</b>	R1542 R1543	1-216-025-11		100 100	5% 5%	1/10W 1/10W
R1422	1-216-025-11	NEO-UNIP	100	5%	1/10W	R1544	1-216-025-11	neo-unir	100	5%	1/10W

#### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	Description			<u>Remark</u>
R1545	1-216-025-11	RES-CHIP	100	5%	1/10W	R1621	1-216-230-00	RES-CHIP	22K	2%	1/8W
R1546 R1547 R1548	1-216-025-11	RES-CHIP RES-CHIP	100	5% 5%	1/10W 1/10W	R1621	1-260-012-11	CARBON MELF	22K	(E. 2%	XCEPT AEP) 1/8W
R1550	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W	R1622	1-216-230-00	RES-CHIP	22K	2%	(AEP) 1/8W XCEPT AEP)
R1551 R1552	1-216-295-11	SHORT CHIP RES-CHIP	0 10K	E0/	1/10W	R1622	1-260-012-11	CARBON MELF	22K	2%	1/8W
R1553 R1554	1-216-073-00 1-216-073-00 1-216-073-00	RES-CHIP RES-CHIP	10K 10K 10K	5% 5% 5%	1/10W 1/10W	R1623	1-216-230-00	RES-CHIP	22K	2% (E	(AEP) 1/8W XCEPT AEP)
R1555	1-216-073-00	RES-CHIP	10K	5%	1/10 <b>W</b>	R1623	1-260-012-11	CARBON MELF	22K	2%	1/8W
R1556 R1601	1-216-073-00 1-216-025-11	RES-CHIP RES-CHIP	10K 100	5% 5%	1/10W 1/10W	R1624	1-216-230-00	RES-CHIP	22K	2%	(AEP) 1/8 <b>W</b>
R1602 R1603	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W	R1624	1-260-012-11	CARBON MELF	22K	(E) 2%	XCEPT AEP) 1/8W
R1604	1-216-025-11	RES-CHIP	100	5%	1/10W	R1625	1-216-230-00	RES-CHIP	22K	2%	(AEP) 1/8 <b>W</b>
R1605 R1606	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W	R1625	1-260-012-11	CARBON MELF	22K	(E) 2%	(CEPT AEP) 1/8W
R1607	1-216-025-11	RES-CHIP	100	5%	1/10W	111020	1 200 012 11	O/MIDON MILL	LLIN	270	(AEP)
R1608 R1609	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W	R1626	1-216-230-00	DEC_CHID	22K	2%	1/8W
R1610					1/10W					(E)	(CEPT AEP)
R1611	1-216-025-11 1-208-508-11	RES-CHIP RES-CHIP	100 8.2K	5% 2%	1/8W	R1626	1-260-012-11		22K	2%	1/8W (AEP)
R1611	1-260-007-11	CARBON MELF	8.2K	(EXI	CEPT AEP)   1/8W	R1627	1-216-202-00	RES-CHIP	1.5K	2% (E)	1/8W (CEPT AEP)
R1612	1-208-508-11	RES-CHIP	8.2K	2%	(AEP) 1/8W	R1627	1-259-997-11	CARBON MELF	1.5K	2%	1/8W (AEP)
R1612	1-260-007-11	CARBON MELF	8.2K	(EX0 2%	CEPT AEP) 1/8W	R1628	1-216-202-00	RES-CHIP	1.5K	2% (E)	1/8W (CEPT AEP)
					(AEP)	R1628	1-259-997-11	CARBON MELF	1 51/		
R1613	1-208-508-11	RES-CHIP	8.2K	2%	1/8W				1.5K	2%	1/8W (AEP)
R1613	1-260-007-11	CARBON MELF	8.2K	2%	CEPT AEP)	R1629	1-216-202-00		1.5K		1/8W (CEPT AEP)
R1614	1-208-508-11	RES-CHIP	8.2K	2%	(AEP) 1/8W	R1629	1-259-997-11	CARBON MELF	1.5K	2%	1/8 <b>W</b> ( <b>A</b> EP)
R1614	1-260-007-11	CARBON MELF	8.2K	(EXI 2%	Cept Aep)   1/8 <b>w</b>	R1630	1-216-202-00	RES-CHIP	1.5K	2% (EX	1/8 <b>W</b> (CEPT AEP)
R1615	1-208-508-11	RES-CHIP	8.2K	2% (FX)	(AEP) 1/8W CEPT AEP)	R1630	1-259-997-11	CARBON MELF	1.5K	2%	1/8W (AEP)
R1615	1-260-007-11	CARBON MELF	8.2K	2%	1/8W	R1631	1-216-202-00	RES-CHIP	1.5K	2%	1/8W
					(AEP)	R1631	1-259-997-11	CARBON MELF	1.5K	2%	(CEPT AEP) 1/8W
R1616	1-208-508-11		8.2K		1/8W CEPT AEP)	R1632	1-216-202-00	RES-CHIP	1.5K	2%	(AEP) 1/8 <b>W</b>
R1616	1-260-007-11	CARBON MELF	8.2K	2%	1/8W (AEP)	R1632	1-259-997-11	CARBON MELF	1.5K	(EX 2%	(CEPT AEP) 1/8W
R1617	1-208-508-11	RES-CHIP	8.2K	2% (EX	1/8W CEPT AEP)	R1633	1-216-202-00	RES-CHIP	1.5K	2%	(AEP) 1/8 <b>W</b>
R1617	1-260-007-11	CARBON MELF	8.2K	2%	1/8W (AEP)					(EX	CEPT AEP
R1618	1-208-508-11	RES-CHIP	8.2K	2%	1/8W	R1633	1-259-997-11	CARBON MELF	1.5K	2%	1/8W (AEP)
R1618	1-260-007-11	CARBON MELF	8.2K	(EX0 2%	CEPT AEP) 1/8W	R1634	1-216-202-00	RES-CHIP	1.5K	2% /EX	1/8W CEPT AEP
R1619					(AEP)	R1634	1-259-997-11	CARBON MELF	1.5K	2%	1/8W
_	1-216-230-00		22K		1/8W CEPT AEP)	R1635	1-216-246-00	RES-CHIP	100K	2%	(AEP) 1/8W
R1619		CARBON MELF	22K	2%	1/8W (AEP)	R1635	1-260-020-11	CARBON MELF	100K	(EX 2%	CEPT AEP; 1/8W
R1620	1-216-230-00	RES-CHIP	22K	2% (EX	1/8W CEPT AEP)						(AEP)
R1620	1-260-012-11	CARBON MELF	22K	2%	1/8 <b>W</b> (AEP)	R1636	1-216-246-00	RES-CHIP	100K	2% (EX	1/8W CEPT AEP

B / N	D	B talk			D 1	l D-f N-	D4 N-	Description			Demot
Ref. No.	Part No.	<u>Description</u>	10014	00/	Remark	Ref. No.	Part No.	<u>Description</u>	414	00/	Remark
R1636	1-260-020-11	CARBON MELF	100K	2%	1/8W (AEP)	R1658	1-208-782-11	RES-CHIP	1K	2% (E	1/8W XCEPT AEP)
R1637	1-216-246-00	RES-CHIP	100K	2% (F)	1/8W XCEPT AEP)	R1658	1-259-995-11	CARBON MELF	1K	2%	1/8W (AEP)
R1637	1-260-020-11	CARBON MELF	100K	2%	1/8W	R1659	1-216-121-11	RES-CHIP	1M	5%	1/10W
R1638	1-216-246-00	RES-CHIP	100K	2%	(AEP) 1/8W	R1660 R1701	1-216-121-11 1-216-073-00	RES-CHIP RES-CHIP	1M 10K	5% 5%	1/10W 1/10W
R1638	1-260-020-11	CARBON MELF	100K	(E) 2%	XCEPT AEP) 1/8W	R1702	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
111000	1 200 020 11	ON THE CITY WILLE	10011	270	(AEP)	R1703	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R1639	1-216-246-00	RES-CHIP	100K	2%	1/8W	R1704	1-208-474-61	RES-CHIP	330	2% (E	1/8W XCEPT AEP)
R1639	1-260-020-11	CARBON MELF	100K	(E) 2%	XCEPT AEP) 1/8W	R1704	1-259-989-11	CARBON MELF	330	2%	1/8 <b>W</b> (AEP)
					(AEP)	R1705	1-208-474-61	RES-CHIP	330	2%	1/8W
R1640	1-216-246-00	RES-CHIP	100K	2% (E)	1/8 <b>W</b> XCEPT <b>A</b> EP)					(E	XCEPT AEP)
R1640	1-260-020-11	CARBON MELF	100K	2%	1/8 <b>W</b> (AEP)	R1705	1-259-989-11	CARBON MELF	330	2%	1/8 <b>W</b> (AEP)
R1641	1-216-246-00	RES-CHIP	100K	2% (F)	1/8W XCEPT AEP)	R1706	1-208-474-61	RES-CHIP	330	2% (F	1/8W XCEPT AEP)
D4.044	1 000 000 11	CADDON MELE	1001/	•	·	R1706	1-259-989-11	CARBON MELF	330	2%	1/8W
R1641	1-260-020-11	CARBON MELF	100K	2%	1/8 <b>W</b> (AEP)	R1707	1-208-474-61	RES-CHIP	330	2%	(AEP) 1/8 <b>W</b>
R1642	1-216-246-00	RES-CHIP	100K	2% (E)	1/8 <b>W</b> XCEPT <b>A</b> EP)	R1707	1-259-989-11	CARBON MELF	330	(E) 2%	XCEPT AEP) 1/8 <b>W</b>
R1642	1-260-020-11	CARBON MELF	100K	2%`	1/8W (AEP)						(AEP)
R1643	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R1708	1-208-509-11	RES-CHIP	9.1K	2%	1/8W
R1644	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R1708	1-259-934-11	CARBON MELF	9.1K	2%	XCEPT AEP) 1/8W
R1645 R1646	1-216-069-00 1-216-069-00	METAL CHIP METAL CHIP	6.8K 6.8K	5% 5%	1/10W 1/10W	R1709	1-208-509-11	RES-CHIP	9.1K	2%	(AEP) 1/8W
R1647	1-216-069-00	METAL CHIP	6.8K	5%	1/10W					(E	XCEPT AEP)
R1648 R1649	1-216-069-00 1-216-069-00	METAL CHIP METAL CHIP	6.8K 6.8K	5% 5%	1/10W 1/10W	R1709	1-259-934-11	CARBON MELF	9.1K	2%	1/8W (AEP)
R1650	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R1710	1-208-509-11	RES-CHIP	9.1K	2% (E)	1/8W XCEPT AEP)
R1651	1-208-782-11	RES-CHIP	1K	2%	1/8W XCEPT AEP)	R1710	1-259-934-11	CARBON MELF	9.1K	2%	1/8W
R1651	1-259-995-11	CARBON MELF	1K	2%	1/8W						(AEP)
R1652	1-208-782-11	RES-CHIP	1K	2%	(AEP) 1/8W	R1711	1-208-509-11	RES-CHIP	9.1K	2% (E)	1/8W XCEPT AEP)
R1652	1-250-005-11	CARBON MELF	1K	(E) 2%	XCEPT AEP) 1/8W	R1711	1-259-934-11	CARBON MELF	9.1K	2%`	1/8W (AEP)
111002	7 200 000 11	OTTOOR WEEL	•••	270	(AEP)	R1712	1-208-509-11	RES-CHIP	9.1K	2%	1/8W
R1653	1-208-782-11	RES-CHIP	1K	2%	1/8W	R1712	1-259-934-11	CARBON MELF	9.1K	2%	(CEPT AEP) 1/8W
R1653	1-259-995-11	CARBON MELF	1K	(E) 2%	XCEPT AEP) 1/8W						(AEP)
R1654	1-208-782-11	RES-CHIP	1K	2%	(AEP) 1/8W	R1713	1-208-509-11	RES-CHIP	9.1K	2% (F)	1/8W (CEPT AEP)
				(E	XCEPT AEP)	R1713	1-259-934-11	CARBON MELF	9.1K	2%	1/8W
R1654		CARBON MELF	1K	2%	1/8 <b>W</b> (AEP)	R1714	1-216-230-00	RES-CHIP	22K	2%	(AEP) 1/8W
R1655	1-208-782-11	RES-CHIP	1K	2% (E)	1/8W XCEPT AEP)	R1714	1-260-012-11	CARBON MELF	22K	(E) 2%	(CEPT AEP) 1/8W
R1655	1_250_005_11	CARBON MELF	1K	2%	1/8W	R1715	1-216-230-00	DEC-CHID	22K	2%	(AEP) 1/8 <b>W</b>
					(AEP)	11111	1 L 1U-LUU-UU	TILO UIII	LLIN		(CEPT AEP)
R1656	1-208-782-11		1K	,	1/8W XCEPT AEP)	R1715	1-260-012-11	CARBON MELF	22K	2%	1/8 <b>W</b>
R1656	1-259-995-11	CARBON MELF	1K	2%	1/8 <b>W</b> (AEP)	R1716	1-216-238-00	RES-CHIP	47K	2%	(AEP) 1/8 <b>W</b>
R1657	1-208-782-11	RES-CHIP	1K	2% (F	1/8W XCEPT AEP)	R1716	1-260-016-11	CARBON MELF	47K	(E) 2%	(CEPT AEP) 1/8W
R1657	1-259-995-11	CARBON MELF	1K	2%	1/8W						(AEP)
					(AEP)	R1717	1-216-238-00	HE9-CHIP	47K	2% (E)	1/8W (CEPT AEP)

#### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
	·						· ·	-			
R1717	1-260-016-11	CARBON MELF	47K	2%	1/8W	R2034	1-216-073-00	RES-CHIP	10K	5%	1/10W
					(AEP)	R2035	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1801	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R2036	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1802	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R2037	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1804	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2038	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1806	1-216-073-00	RES-CHIP	10K	5%	1/10W						
						R2039	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1807	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2040	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1813	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R2041	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1814	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R2042	1-216-061-11	RES-CHIP	3.3K	5%	1/10W
R1815	1-245-290-11	CEMENTED	4.7	5%	5W	712012	1 210 301 11		0.070	0,0	(AEP)
R1901	1-216-121-11	RES-CHIP	1M	5%	1/10W	R2042	1-216-081-00	METAL CHID	22K	5%	1/10W
111301	1-210-121-11	NEO-OIII	114;	J /0	1/10**	112042	1-210-001-00	WICIAL OITH	2211	J /0	(TW,KR)
R1902	1-216-073-00	RES-CHIP	10K	5%	1/10W						(1 44,1311)
R1903	1-216-075-00	RES-CHIP	100	5%	1/10 <b>W</b>	R2042	1-216-295-11	SHORT CHIP	0		(DAJEC)
R1903	1-216-023-11	RES-CHIP	10K	5% 5%	1/10W	R2042	1-216-295-11	RES-CHIP	100	E0/	(DA4ES)
										5%	1/10W
R1905	1-216-001-00	METAL CHIP	10	5%	1/10W	R2044	1-216-025-11	RES-CHIP	100	5%	1/10W
R1906	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2045	1-216-025-11		100	5%	1/10W
						R2046	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1907	1-216-073-00	RES-CHIP	10K	5%	1/10W						
R1908	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2049	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1909	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	R2050	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1910	1-216-025-11		100	5%	1/10W	R2051	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1911	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2052	1-216-073-00	RES-CHIP	10K	5%	1/10W
						R2053	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1912	1-216-073-00	RES-CHIP	10K	5%	1/10W						
R1913	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2054	1-216-025-11	RES-CHIP	100	5%	1/10W
R1914	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2055	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1915	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2057	1-216-295-11	SHORT CHIP	0	(EXC	CEPT AEP)
R1916	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2058	1-216-286-00	RES-CHIP	4.7M	5%`	1/8W <sup>^</sup>
										• /-	(AEP)
R1917	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2059	1-216-295-11	SHORT CHIP	0		(/ .=. /
R1918	1-216-073-00	RES-CHIP	10K	5%	1/10W	112000	1 210 200 11	Onom om	U		
R1919	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2060	1-216-295-11	SHORT CHIP	0	(DA/ES/	VA333ES)
R2001	1-216-061-11	RES-CHIP	3.3K	5%	1/10W	R2061	1-216-295-11	SHORT CHIP	0	(DA4LO/	VASSSES)
R2002	1-216-061-11		3.3K	5%	1/10W	R2062	1-216-295-11	SHORT CHIP	0		(AEP)
112002	1-210-001-11	NEO-CHIF	J.JK	J /0	1/1044	R2101				EO/	
R2003	1 010 000 11	METAL CLUD	001/	0.50/	1/4/014/		1-216-025-11	RES-CHIP	100	5%	1/10W
	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R2102	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>
R2004	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	50400	1 010 005 11	DE0 0111D			
R2005	1-216-025-11	RES-CHIP	100	5%	1/10W	R2103	1-216-025-11	RES-CHIP	100	5%	1/10W
R2006	1-216-025-11	RES-CHIP	100	5%	1/10W	R2104	1-216-025-11	RES-CHIP	100	5%	1/10W
R2007	1-216-025-11	RES-CHIP	100	5%	1/10W	50.00					(AEP)
Booos						R2105	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R2008	1-216-025-11		100	5%	1/10W						(AEP)
R2009	1-216-025-11		100	5%	1/10W	R2106	1-216-025-11	RES-CHIP	100	5%	1/10W
R2012	1-216-073-00		10K	5%	1/10W						(AEP)
R2014	1-216-025-11		100	5%	1/10W	R2107	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>
R2015	1-216-025-11	RES-CHIP	100	5%	1/10W						
						R2108	1-216-025-11		100	5%	1/10W
R2016	1-216-025-11	RES-CHIP	100	5%	1/10W	R2109	1-216-025-11	RES-CHIP	100	5%	1/10W
R2017	1-216-025-11	RES-CHIP	100	5%	1/10W	R2110	1-216-025-11	RES-CHIP	100	5%	1/10W
R2018	1-216-025-11	RES-CHIP	100	5%	1/10W	R2111	1-216-025-11	RES-CHIP	100	5%	1/10W
R2019	1-216-025-11	RES-CHIP	100	5%	1/10W	R2112	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>
R2020	1-216-025-11	RES-CHIP	100	5%	1/10W						
						R2113	1-216-025-11	RES-CHIP	100	5%	1/10W
R2021	1-216-025-11	RES-CHIP	100	5%	1/10W	R2114	1-216-025-11	RES-CHIP	100	5%	1/10W
R2022	1-216-025-11	RES-CHIP	100	5%	1/10W	R2115	1-216-025-11		100	5%	1/10W
R2024	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2116	1-216-025-11	RES-CHIP	100	5%	1/10W
R2025	1-216-025-11	RES-CHIP	100	5%	1/10W	R2117	1-216-025-11	RES-CHIP	100	5%	1/10W
R2026	1-216-073-00		10K	5%	1/10 <b>W</b>	112111	, 2.0 020 11	LO OTTI	100	U 70	// I U I I
	1-210-075-00	TILO OTTI	1010	070	17 10 44	R2118	1-216-025-11	RES-CHIP	100	5%	1/10W
R2027	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2119	1-216-025-11	RES-CHIP			1/10W
R2028									100	5% ===	
R2029	1-216-073-00		10K	5%	1/10W	R2120	1-216-025-11	RES-CHIP	100	5%	1/10W
	1-216-073-00		10K	5%	1/10W	R2121	1-216-025-11	RES-CHIP	100	5%	1/10W
R2030	1-216-073-00		10K	5%	1/10W	R2122	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>
R2031	1-216-073-00	HE9-CHIP	10K	5%	1/10W	D0400	4 040 005 41	DEC CLUS	400	E0/	4404
Danaa	4 040 0== =	DE0 01115	4011	-a:	4 (4 5)	R2123	1-216-025-11	RES-CHIP	100	5%	1/10W
R2032	1-216-073-00		10K	5%	1/10W	R2124	1-216-025-11	RES-CHIP	100	5%	1/10W
R2033	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2125	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>

#### STR-DA4ES/DA7ES/VA333ES

DIGITAL

**DIGITAL INPUT** 

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			<u>Remark</u>
R2126	1-216-025-11	RES-CHIP	100	5%	1/10W		A-4728-944-A	DIGITAL INPUT E	BOARD COL	MPI FTF	:
R2127	1-216-025-11	RES-CHIP	100	5%	1/10W				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		4ES/DA7ES)
R2128	1-216-025-11	RES-CHIP	100	5%	1/10W		A-4728-979-A	DIGITAL INPUT E	ROARD COL		
R2129	1-216-025-11	RES-CHIP	100	5%	1/10W			******			
R2130	1-216-025-11	RES-CHIP	100	5%	1/10W						
	1 210 020 11	1120 01111	100	070	171011			< CAPACITOR >			
R2131	1-216-025-11	RES-CHIP	100	5%	1/10W						
R2132	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>	C1002	1-119-836-31	ELECT	47uF	20%	63V
R2133	1-216-025-11	RES-CHIP	100	5%	1/10W						(VA333ES)
R2134	1-216-025-11	RES-CHIP	100	5%	1/10W	C1002	1-128-840-11	ELECT	47uF	20%	16V
R2135	1-216-025-11	RES-CHIP	100	5%	1/10W					(DA	4ES/DA7ES)
						C1003	1-119-836-31	ELECT	47uF	20%	63V
R2136	1-216-025-11	RES-CHIP	100	5%	1/10W						(VA333ES)
R2137	1-216-073-00	RES-CHIP	10K	5%	1/10 <b>W</b>	C1003	1-128-840-11	ELECT	47uF	20%	16V
R2138	1-216-025-11	RES-CHIP	100	5%	1/10W					(DA	4ES/DA7ES)
R2139	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1005	1-163-243-11	CERAMIC CHIP	0.1 <b>u</b> F	,	50V <sup>′</sup>
R2140	1-216-025-11	RES-CHIP	100	5%	1/10W						
						C1009	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2141	1-216-025-11	RES-CHIP	100	5%	1/10W	C1011	1-125-890-11	ELECT	1000uF	20%	6.3V
R2142	1-216-025-11	RES-CHIP	100	5%	1/10W		, , ,			2070	(VA333ES)
R2144	1-216-025-11		100	5%	1/10W	C1011	1-137-658-11	FLECT	1000uF	20%	6.3V
R2145	1-216-025-11		100	5%	1/10W	0.011	1 101 000 11	LLLO	100001		4ES/DA7ES)
R2146	1-216-025-11	RES-CHIP	100	5%	1/10W	C1012	1-165-319-11	CERAMIC CHIP	0.1uF	(DA	50V
112140	1-210-020-11	ILO-OIII	100	J /0	1/1044	C1012	1-163-243-11	CERAMIC CHIP	47PF	5%	50V 50V
R2147	1-216-025-11	DEC CUID	100	5%	1/10W	01013	1-103-243-11	CENAIVIIC CHIP	4/ [ [	J 76	30V
	1-216-025-11	RES-CHIP	100		1/10W	01014	1 100 040 11	CEDAMIC CUID	47DE	E0/	COM
R2148				5%		C1014	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
R2159	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1015	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2161	1-216-073-00		10K	5%	1/10W	C1017	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2162	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1018	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		250 01115				C1019	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2163	1-216-097-11	RES-CHIP	100K	5%	1/10W						
R2164	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1022	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2165	1-216-073-00	RES-CHIP	10K	5%	1/10W	C1023	1 <b>-</b> 119-799-11	ELECT	47uF	20%	16V
R2166	1-216-073-00	RES-CHIP	10K	5%	1/10W						(VA333ES)
R2167	1-216-037-00	METAL CHIP	330	5%	1/10W	C1023	1-128-840-11	ELECT	47uF	20%	16V
										(DA	IES/DA7ES)
R2168	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>	C1024	1-165-319-11	CERAMIC CHIP	0.1uF		50V
				(DA4	es/da7es)	C1025	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2169	1-216-025-11	RES-CHIP	100	5%	1/10W						
				(DA4	ES/DA7ES)	C1026	1-165-319-11	CERAMIC CHIP	0.1uF		50V
R2170	1-216-025-11	RES-CHIP	100	5%	1/10W	C1027	1-165-319-11	CERAMIC CHIP	0.1uF		50V
				(DA4I	es/da7es)						
R2171	1-216-025-11	RES-CHIP	100	5%	1/10W			< CONNECTOR >			
					(DA7ES)						
R2172	1-216-025-11	RES-CHIP	100	5%	1/10 <b>W</b>	* CN1001	1-564-726-11	PIN, CONNECTOR	R (SMALL T	YPE)10F	)
				(DA4I	ES/DA7ES)						
								< DIODE >			
R2173	1-216-025-11	RES-CHIP	100	5%	1/10W						
R2174	1-216-057-00	METAL CHIP	2.2K	5%	1/10 <b>W</b>	D1001	8-719-988-61	DIODE 1SS355T	E-17		
				(EX	CEPT AEP)	D1002	8-719-801-78	DIODE 1SS184			
R2175	1-216-073-00	RES-CHIP	10K	5%	1/10W	D1003	8-719-988-61	DIODE 1SS355T	E-17		
		< VIBRATOR >						< FERRITE BEAD	>		
V4404	4 705 040 04	MIDDATOD ODVO	TAL /04 53			ED4004	4 400 450 44	EEDDITE EM (O)	45)		
X1101	1-795-219-21		•	,				FERRITE, EMI (SN	,		
X1201		VIBRATOR, CRYS				FB1002	1-469-152 <b>-</b> 11	FERRITE, EMI (SN	MD)		
X1401		VIBRATOR, CERA	,	,							
X1501		VIBRATOR, CERA	,	,				< IC >			
X1901	1-767-938-21	VIBRATOR, CERA	MIC (7.28N	vIHz)					_		
						IC1001		IC GP1FA512RZI	χ.		,
X2001		VIBRATOR, CERA		,		IC1002		IC GP1FA512RZI	,		,
X2101		VIBRATOR, CRYS	•	, ,	,	IC1003	6-600-000-01	IC GP1FA512RZE	B (MD/DAT	OPTICA	LIN)
******	******	******	******	*****	******	IC1004		IC GP1FA512TZ0	C (MD/DAT (	OPTICAL	OUT)
						IC1005	6-600-000-01	IC GP1FA512RZI	B (CD/SACD	OPTICA	AL IN)
						IC1006		IC TC74HCU04A			
						IC1007	8-759-243-84	IC TC74ACT151F	:		
						IC1008	8-759-566-06	IC TC7WH08FU(	TE12R)		

#### STR-DA4ES/DA7ES/VA333ES

### DIGITAL INPUT

DISPLAY

Company   Comp	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
1-794-434-11   JACK, PIN 2P (CDS:ACD CDAVIAL IN)   DVD/LD CDAVIAL IN)   C111   1-126-916-11   LECT   10000F 20%   S.0V			< JACK >									
CRESISTOR   CREAMIC CHIP   CREAMIC	J1002	1-794-434-11	JACK, PIN 2P (CD	SACD COA	XIAL IN	l,						
RESISTOR				D	/D/LD C	OAXIAL IN)						
R1000   1-299-90-91			< RESISTOR >				6127	1-100-319-11				50 <b>V</b>
CAMESONATES    CAME	R1001	1-208-410-41	RES-CHIP	75	2%	1/8W			< CONNECTO	R >		
Name					(DA4	(ES/DA7ES)					TYPE) 2	Р
R1002   1-269-999-11   CARBON MELF   75	R1001	1-259-909-11	CARBON MELF	75	2%							
R1002   1-259-999-11   CARBON MELF   75   2%   1/8W   1/	R1002	1-208-410-41	RES-CHIP	75		1/8W						
R1003   1-216-190-00   RES-CHIP   470	R1002	1-259-909-11	CARBON MELF	75	,	,			< DIODE >			
R1003   1-259-991-11   CARBON MELF   470   2%   1/8W   1/9W   1	R1003	1-216-190-00	RES-CHIP	470	2%		D101	8-719-075-59	LED SELS5		(digital cir	(hnuos smar
R1000   1-259-991-11   CARBON MELF   470   2%   1/8W   (DA4S)AA7ES)   1-216-190-00   RES-CHIP   470   2%   1/8W   (DA4S)AA7ES)   1-216-230-00   RES-CHIP   22K   2%   1/8W   (DA4S)AA7ES)   1/8W   (DA4S)AA7ES)   1/8W		7 2 10 100 00	1120 01111							323C-TP15 (	SB DEC)	,
R1004   1-216-190-00   RES-CHIP   470   2%   1/8W   (DIAES/DAZES)   1-216-230-00   RES-CHIP   2/2K   2%   1/8W   (DIAES/DAZES)   1-216-230-00   RES-CHIP   2/2K   2%   1/8W   (DIAES/DAZES)   1/8W   1/	R1003	1-259-991-11	CARBON MELF	470	2%	1/8W						DDE)
R1004   1-289-991-11   CARBON MELF   470   2%   18W   (VA335ES)   18W						(VA333ES)						)
R1004   1-259-991-11   CARBON MELF   470   2%   1.8W	R1004	1-216-190-00	RES-CHIP	470			D106	8-719-032-98	LED SEL582	0A-TP15 (SL	JRROUND	))
R1005   1-216-230-00   RES-CHIP   22K   2%   1/8W   COARSICAYES   COAR	R1004	1-259-991-11	CARBON MELF	470		1/8W	D107	8-719-032-98	LED SEL582	0A-TP15 (LE	VEL)	,
Company   Comp	R1005	1-216-230-00	RES-CHIP	22K	2%							E)
R1006					(DA4	IES/DA7ES)						
R1006	R1005	1-260-012-11	CARBON MELF	22K	2%		D111	8-719-075-86	LED SID307	BR-TP19 (SI	RCS OUT)	
R1006	D4000	1 010 000 00	DEC CUID	2014	00/	4 (0)41	D112	8-719-059-14	LED SID313	BP-TP19 (SI	RCS OUT)	
R1006   1-260-012-11   CARBON MELF   22K   2%   1/8W (VA333ES)   1/208-593-41   RES-CHIP   560K   2%   1/8W (VA333ES)   1/208-593-41   RES-CHIP   560K   2%   1/8W (VA332ES)   1/208-593-41   RES-CHIP   560K   2%   1/8W (VA332ES)   1/208-593-41   RES-CHIP   560K   2%   1/8W (VA332ES)   1/208-593-41   RES-CHIP   100   5%   1/10W   1/208-25-11   RES-CHIP   100   5%   1/10W   1/216-025-11   RES-CHIP	KIUUb	1-216-230-00	RES-CHIP	22K							RCS OUT)	
R1007   1-208-593-41   RES-CHIP   560K   2%   1/8W (VA333ES)	R1006	1-260-012-11	CARBON MELF	22K	•	1/8W	D115	8-719-988-61				
R1007   1-260-029-11   CARBON MELF   560K   2%   1/8W (VA33ES)	R1007	1-208-593-41	RES-CHIP	560K		1/8W	D119					
R1008   1-208-593-41   RES-CHIP   560K   2%   1/8W (DA4ES/DATES)   FL101   1-518-747-11   INDICATOR TUBE, FLUORESCENT	R1007	1-260-029-11	CARBON MELE	560K			D120	8-719-988-61	DIODE 1SS3	55TE-17		
R1008   1-260-029-11   CARBON MELF   560K   2%   1/8W (VA333ES)   R1009   1-216-025-11   RES-CHIP   100   5%   1/10W   IC102   8-759-459-85   IC NJL63H400A   R1010   1-216-025-11   RES-CHIP   100   5%   1/10W   IC102   8-759-342-19   IC NJU3716M-T2   IC104   8-759-242-70   IC TC7WU04F   IC104   I						(VA333ES)			< FLUORESC	NT INDICAT	OR >	
R1009	KIUU8	1-208-593-41	RES-CHIP	SOUK			FL101	1-518-747-11	INDICATOR T	UBE, FLUORI	SCENT	
R1009	R1008	1-260-029-11	CARRON MELE	560K	2%	1/8W			< IC >			
R1010						(VA333ES)						
R1011   1-216-295-11   SHORT CHIP   0   1/10W   1/216-025-11   RES-CHIP   100   5%   1/10W   1/												
R1013   1-216-025-11   RES-CHIP   100   5%   1/10W   R1014   1-216-025-11   RES-CHIP   100   5%   1/10W   R1016   1-216-073-00   RES-CHIP   100   5%   1/10W   R1017   1-216-025-11   RES-CHIP   100   5%   1/10W   R1017   1-216-025-11   RES-CHIP   100   5%   1/10W   R1017   1-216-025-11   RES-CHIP   100   5%   1/10W   R102   1-216-025-11   RES-CHIP   100   5%   1/10W   R104   1-216-025-11   RES-CHIP   100   5%   1/10W   R102   1-126-025-11   RES-CHIP   100   5%   1/10W   R102   1-126-025-11   RES-CHIP   100   5%   1/10W   R102   1-126-025-11   RES-CHIP   100   5%   1/10W   R103   1-216-025-11   RES-CHIP   100   5%   1/10W   R103   1-216-025-11   RES-CHIP   100   5%   1/10W   R103   1-126-025-11   RES-CHIP   100   5%   1/10W   R104   1-126-025-11   RES-CHIP   100   5%   1/10W   R104   1-126-025-11   RES-CHIP   100   5%   1/10W   R104   1-126-025-11   RES-CHIP   100   5%   1/10W   R105   1-163-251-11   CERAMIC CHIP   100PF   5%   50V   R111   1-216-025-11   RES-CHIP   100   5%   1/10W   R112	R1011	1-216-295-11	SHORT CHIP	0								
R1013 1-216-025-11 RES-CHIP 100 5% 1/10W R1011 8-729-801-93 TRANSISTOR 2SD1387 R1016 1-216-073-00 RES-CHIP 10K 5% 1/10W R1017 1-216-025-11 RES-CHIP 100 5% 1/10W R101 1-216-025-11 RES-CHIP 100 5% 1/10W R103 1-216-025-11 RES-CHIP 100 5% 1/10W R103 1-216-025-11 RES-CHIP 100 5% 1/10W R105 1-216-025-11 RES-CHIP 100 5% 1/10W R110 1-216-025-11 RES-CHIP 100 5% 1/10W R111 1-216-025-11 RES-CHIP 100 5% 1/10W R	K1012	1-216-025-11	RES-CHIP	100	5%	1/10W			< TRANSISTO	R >		
R1016   1-216-073-00   RES-CHIP   10K   5%   1/10W							0.101					
### R1017 1-216-025-11 RES-CHIP 100 5% 1/10W ####################################												
A-4728-901-A DISPLAY BOARD, COMPLETE (VA333ES) A-4728-931-A DISPLAY BOARD, COMPLETE (DA4ES/DA7ES) A-4728-931-A DISPLAY BOARD, COMPLETE (DA4ES/DA7ES) A-4728-931-A DISPLAY BOARD, COMPLETE (DA4ES/DA7ES)  ***********************************					5%	1/10W			DECICTOR			
A-4728-931-A DISPLAY BOARD, COMPLETE (DA4ES/DA7ES)  ***********************************		· ኍ ኍ ቊ ኍ ኍ ኍ ቊ ኍ ኍ ጥ ጥ ጥ ጥ	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	****	· * * * * * * * * * * * * * * * * * * *			< RESISTOR :	>		
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A-228-836-01   HOLDER, FL TUBE   R105   1-216-025-11   RES-CHIP   100   5%   1/10W		A-4/20-931-A			`	S/DA/ES)						
C101 1-126-947-11 ELECT 47uF 20% 16V R108 1-216-025-11 RES-CHIP 100 5% 1/10W C102 1-126-964-11 ELECT 10uF 20% 50V R109 1-216-025-11 RES-CHIP 100 5% 1/10W C103 1-165-319-11 CERAMIC CHIP 0.1uF 50V R110 1-216-025-11 RES-CHIP 100 5% 1/10W C104 1-126-947-11 ELECT 47uF 20% 16V C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216		4 000 000 01	HOLDED EL TUDI	-								
C101 1-126-947-11 ELECT 47uF 20% 16V R108 1-216-025-11 RES-CHIP 100 5% 1/10W C102 1-126-964-11 ELECT 10uF 20% 50V R109 1-216-025-11 RES-CHIP 100 5% 1/10W C103 1-165-319-11 CERAMIC CHIP 0.1uF 50V R110 1-216-025-11 RES-CHIP 100 5% 1/10W C104 1-126-947-11 ELECT 47uF 20% 16V C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W R113 1-216		4-220-030-01	HULDER, FL TUBI	Ē			RIUS	1-210-020-11	RE9-CHIP	100	5%	1/1UW
C101 1-126-947-11 ELECT 47uF 20% 16V R108 1-216-025-11 RES-CHIP 100 5% 1/10W C102 1-126-964-11 ELECT 10uF 20% 50V R109 1-216-025-11 RES-CHIP 100 5% 1/10W C103 1-165-319-11 CERAMIC CHIP 0.1uF 50V R110 1-216-025-11 RES-CHIP 100 5% 1/10W C104 1-126-947-11 ELECT 47uF 20% 16V C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W			< CAPACITOR >									
C103 1-165-319-11 CERAMIC CHIP 0.1uF 50V R110 1-216-025-11 RES-CHIP 100 5% 1/10W C104 1-126-947-11 ELECT 47uF 20% 16V C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W		1-126-947-11	ELECT	47uF	20%	16V						
C104 1-126-947-11 ELECT 47uF 20% 16V C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W					20%							1/10W
C105 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R111 1-216-025-11 RES-CHIP 100 5% 1/10W R112 1-216-025-11 RES-CHIP 100 5% 1/10W R113 1-216-025-11 RES-CHIP 100 5% 1/10W R113 1-216-025-11 RES-CHIP 100 5% 1/10W	C104				20%		HIIU	1-210-025-11	REO-PHIL	100	5%	1/ <b>LUVV</b>
C106 1-163-251-11 CERAMIC CHIP 100PF 5% 50V R113 1-216-025-11 RES-CHIP 100 5% 1/10W	C105		CERAMIC CHIP									
040=	C106	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
							l .					

### STR-DA4ES/DA7ES/VA333ES

DISPLAY

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
			10	EO/				· · · · · · · · · · · · · · · · · · ·	ADD (DDCC		
R118		METAL CHIP	10	5%	1/10W	S106		SWITCH, KEYBO	`		,
R119	1-249-385-11	CARBON	2.2	5%	1/6W	S107		SWITCH, KEYBO			IING +)
R120		CARBON	2.2	5%	1/6W	S108		SWITCH, KEYBO			
R121	1-216-037-00		330	5% 5%	1/10W	S109		SWITCH, KEYBO			
R122	1-216-037-00	METAL CHIP	330	5%	1/10W	S110	1-771-349-21	SWITCH, KEYBO	AKD (MOD	L +)	
R123	1-216-089-11		47K	5%	1/10W	S111		SWITCH, KEYBO			
R124	1-216-049-11	RES-CHIP	1K	5%	1/10W	S112		SWITCH, KEYBO			
R125	1-216-049-11	RES-CHIP	1K	5%	1/10W	S113		SWITCH, KEYBO			
R126	1-216-037-00	METAL CHIP	330	5%	1/10W	S114	1-771-349-21	SWITCH, KEYBO	ard (dole	Y PL I	/NEO:6)
R127	1-216-029-00	METAL CHIP	150	5%	1/10 <b>W</b>	S115	1-771-349-21	SWITCH, KEYBO	ard (Surf	BACK	DECODING)
R128	1-216-029-00	METAL CHIP	150	5%	1/10W	S116	1-771-349-21	SWITCH, KEYBO	ARD (TUNII	<b>V</b> G -)	
R129	1-216-037-00	METAL CHIP	330	5%	1/10W	S117	1-771-349-21	SWITCH, KEYBO	ARD (TUNII	VG +)	
R131	1-216-298-00	METAL CHIP	2.2	5%	1/10W	S118	1-771-349-21	SWITCH, KEYBO	ARD (2ND/	BRD RC	OM)
R132	1-216-298-00	METAL CHIP	2.2	5%	1/10W	S119	1-771-349-21	SWITCH, KEYBO	ARD (ON S	CREEN)	
R133	1-216-073-00	RES-CHIP	10K	5%	1/10W	S120	1-771-349-21	SWITCH, KEYBO	ARD (SURF	(OUND	
R134	1-216-073-00	RES-CHIP	10K	5%	1/10W	S121	1-771-349-21	SWITCH, KEYBO	ARD (LEVE	1)	
R135	1-216-089-11	RES-CHIP	47K	5%	1/10W	S122		SWITCH, KEYBO			
R136	1-216-089-11	RES-CHIP	47K	5%	1/10W	S123		SWITCH, KEYBO			
R137	1-216-089-11	RES-CHIP	47K	5%	1/10W	S124		SWITCH, KEYBO			
R138	1-216-081-00	METAL CHIP	22K	5%	1/10W	S125		SWITCH, KEYBO			
										•	
R139	1-216-073-00	RES-CHIP	10K	5%	1/10W	S126		SWITCH, KEYBO			Ξ)
R140	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	S127	1-771-349-21	SWITCH, KEYBO	ARD (EQ BA	NK)	
R141	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	S128	1-771-349-21	SWITCH, KEYBO	ARD (CUST	OMIZE)	
R142	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	S129	1-771-349-21	SWITCH, KEYBO	ARD (EQ)		
R143	1-216-049-11	RES-CHIP	1K	5%	1/10 <b>W</b>	S130	1-771-349-21	SWITCH, KEYBO	ARD (ENTE	R)	
R144	1-216-073-00	RES-CHIP	10K	5%	1/10W	S131	1-771-349-21	SWITCH, KEYBO	ARD (SET L	IP)	
R145	1-216-065-11		4.7K	5%	1/10W				,	,	
R146	1-216-057-00	METAL CHIP	2.2K	5%	1/10W			< SWITCH >			
R147	1-216-057-00	METAL CHIP	2.2K	5%	1/10W						
R148			1K	5%	1/10W			SWITCH, ROTAR			
						******	*****	******	******	*****	*****
R149	1-216-089-11	RES-CHIP	47K	5%	1/10W						
R150		METAL CHIP	22K	5%	1/10W		A-4728-878-A	E-VOL BOARD, C	omplete (	DA4ES	)
R151	1-216-073-00	RES-CHIP	10K	5%	1/10W			E-VOL BOARD, C			
R152	1-216-065-11	RES-CHIP	4.7K	5%	1/10W		A-4728-911-A	E-VOL BOARD, C		DA7ES)	1
R153	1-216-057-00	METAL CHIP	2.2K	5%	1/10W			*****	*****		
R154	1-216-057-00	METAL CHIP	2.2K	5%	1/10W			< CAPACITOR >			
R155	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R156	1-216-089-11	RES-CHIP	47K	5%	1/10W	C401	1-119-825-41	ELECT	22uF	20%	50V
R157	1-216-081-00	METAL CHIP	22K	5%	1/10W						(VA333ES)
R158	1-216-073-00	RES-CHIP	10K	5%	1/10W	C401	1-128-858-11	ELECT	22uF	20%	50V
D150	1-216-065-11	DEC CHID	1 7V	E0/	1/1014/	C402	1 110 005 41	FLECT	00	,	4ES/DA7ES)
R159			4.7K	5%	1/10W	C402	1-119-825 <b>-</b> 41	ELEUI	22uF	20%	50V
R160	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	0400	1 100 050 11	EL EOT	00	000/	(VA333ES)
R161	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	C402	1-128-858-11	ELEGI	22uF	20%	50V
R162	1-216-049-11		1K	5%	1/10W	0.400	4 440 770 44	FLEOT	000 5	,	4ES/DA7ES)
R163	1-216-073-00	RES-CHIP	10K	5%	1/10W	C403	1-119-779-11	ELECT	220uF	20%	10V (VA333ES)
R175	1-216-073-00	RES-CHIP	10K	5%	1/10W						(**************************************
R176		RES-CHIP	10K	5%	1/10W	C403	1-128-832-11	FLECT	220uF	20%	10V
11170	1 210 010 00	1120 01111		0 / 0	1, 1011	0.00	1 120 002 11	LLLO	LLOUI		4ES/DA7ES)
		< ROTARY ENCO	DER >			C404	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
D) // 00		ENGODED DOTA	DV / 100 D1	<b>4</b> 1.\		0.405	4 400 054 44	0554440 0440	10055		(VA333ES)
RV102	1-418-921-11	ENCODER, ROTA	HY (JUG DI	AL)		C405	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
		< SWITCH >				C406	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
											(VA333ES)
S101	1-771-349-21	SWITCH, KEYBO	ard (Powe	R)		C407	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
S102	1-771-349-21	SWITCH, KEYBO	ARD (DISPL	-AY)							(VA333ES)
S103	1-771-349-21	SWITCH, KEYBO	ARD (DIMM	IER)							,
S104	1-771-349-21	SWITCH, KEYBO	ARD (CINEN	/IA STUDI	O EX)	C408	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
S105		SWITCH, KEYBO			•						(VA333ES)
			-								,

### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
C409	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C432	1-128-858-11	ELECT	22uF	20%	50V 4ES/DA7ES)
C410	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C433	1-119-779-11	ELECT	220uF	20%	10V (VA333ES)
C411	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)	C433	1-128-832-11	ELECT	220uF	20%	`10V ′
C411	1-128-858-11	ELECT	22uF	20%	`50V ´	C434	1-163-251-11	CERAMIC CHIP	100PF	5%	4ES/DA7ES) 50V
C412	1-119-825-41	ELECT	22uF	20%	4ES/DA7ES) 50V (VA333ES)	C435	1-163-275-11	CERAMIC CHIP	0.001uF	5%	(VA333ES) 50V (VA333ES)
C412	1-128-858-11	ELECT	22uF	20% (DA	50V .4ES/DA7ES)	C436	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V (VA333ES)
C413	1-119-779-11	ELECT	220uF	20%	10V (VA333ES)	C438	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V (VA333ES)
C413	1-128-832-11	ELECT	220uF	20% (DA	10V 4ES/DA7ES)	C439	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V (VA333ES)
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C440 C441	1-165-319-11 1-119-825-41	CERAMIC CHIP ELECT	0.1uF 22uF	20%	50V 50V
C415	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)		1 110 020 41	LLLOT	ZZUI	2070	(VA333ES)
C416	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C441	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/DA7ES)
C417	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C442	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)
C418	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C442	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/DA7ES)
C419			100PF	5%	(VA333ES) 50V	C443	1-119-779-11	ELECT	220uF	20%	10V (VA333ES)
C420		CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C443	1-128-832-11	ELECT	220uF	20% (DA	10V 4ES/DA7ES)
0 120	. 100 201 11	OLI WIND OIL	10011	070	(VA333ES)	C444	1-165-319-11	CERAMIC CHIP	0.1uF	(57)	50V
C421	1-119-825-41	ELECT	22uF	20%	50V	C445	1-165-319-11	CERAMIC CHIP	0.1 uF		50V
C421	1-128-858-11	ELECT	22uF	20%	(VA333ES) 50V	C446 C447	1-165-319-11 1-165-319-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		50V 50V
C422	1-119-825-41	ELECT	22uF	(DA 20%	4ES/DA7ES) 50V	C448	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C <b>42</b> 2	1-128-858-11	FLECT	22uF	20%	(VA333ES) 50V	C449 C450	1-127-718-11 1-119-825-41	ELECT ELECT	100uF 22uF	20% 20%	16V 50V
C423	1-119-779-11			(DA	4ES/DA7ES)						(VA333ES)
0423	1-119-779-11	ELEUT	220uF	20%	10V (VA333ES)	C450	1-128-858-11	ELECT	22uF	,	50V 4ES/DA7ES)
C423	1-128-832-11	ELECT	220uF	20%	10V	C451	1-119-825-41		22uF	20%	50V (VA333ES)
C424	1-163-251-11	CERAMIC CHIP	100PF	(DA 5%	4ES/DA7ES) 50V	C451	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/DA7ES)
C425	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C452	1-119-825-41	ELECT	22uF	20%	50V
C426	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C452	1-128-858-11	ELECT	22uF	20%	(VA333ES) 50V
C427	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C453	1-119-779-11	ELECT	220uF	(DA- 20%	4ES/DA7ES) 10V
C400	1 100 051 11	OFD ANAIO OLUD	10005	<b>50</b> /	(VA333ES)	C453	1-128-832-11	ELECT	220uF	20%	(VA333ES) 10V
C428		CERAMIC CHIP	100PF	5%	50V (VA333ES)	C454	1-119-825-41	ELECT	22uF	(DA- 20%	4ES/DA7ES) 50V
C429		CERAMIC CHIP	100PF	5%	50V (VA333ES)						(VA333ES)
0430		CERAMIC CHIP	100PF	5%	50V (VA333ES)	C454	1-128-858-11		22uF	20% (DA	50V 4ES/DA7ES)
C431	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)	C455	1-119-825-41		22uF	20%	50V (VA333ES)
C431	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/DA7ES)	C455	1-128-858-11	ELECT	22uF	20% (DA	50V (ES/DA7ES)
C432	1-119-825-41	ELECT	22uF	20%	50V	C456	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)
				,•	(VA333ES)	C456	1-128-858-11	ELECT	22uF	20% (D <b>A</b>	50V IES/DA7ES)

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#### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
C457	1-119-825-41	ELECT	22uF	20%	50V	C487	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
0707	1 113 020 41	LLLOT	ZZui	2070	(VA333ES)	C488	1-164-161-11		0.0022uF		100V
C457	1-128-858-11	FLECT	22uF	20%	50V	C490	1-164-161-11		0.0022uF		100V
0.101	1 120 000 11	LLLO			4ES/DA7ES)	C491	1-164-161-11		0.0022uF		100V
C458	1-119-825-41	ELECT	22uF	20%	50V	C493		CERAMIC CHIP	0.0022uF	10%	100V
0.00				_*	(VA333ES)						
C458	1-128-858-11	ELECT	22uF	20%	50V	C494	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
- 1,55					4ES/DA7ES)	C496	1-163-021-11		0.01uF	10%	50V
C459	1-119-825-41	ELECT	22uF	20%	50V	C497	1-163-021-11		0.01uF	10%	50V
					(VA333ES)	C498		CERAMIC CHIP	0.01uF	10%	50V
					,	C499		CERAMIC CHIP	0.01uF	10%	50V
C459	1-128-858-11	ELECT	22uF	20%	50V						
				(DA	4ES/DA7ES)	C500	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C460	1-119-825-41	ELECT	22uF	20%	50V	C501	1-128-858-11	ELECT	22uF	20%	50V
					(VA333ES)						(DA7ES)
C460	1-128-858-11	ELECT	22uF	20%	50V	C502	1-128-858-11	ELECT	22uF	20%	50V
				(DA	4ES/DA7ES)						(DA7ES)
C461	1-119-825-41	ELECT	22uF	20%	50V	C503	1-137-505-11	MYLAR	220PF	5%	50V
					(VA333ES)						(DA7ES)
C461	1-128-858-11	ELECT	22uF	20%	50V	C504	1-137-505-11	MYLAR	220PF	5%	50V
				(DA	4ES/DA7ES)						(DA7ES)
C462	1-119-825-41	ELECI	22uF	20%	50V	C505	1-128-832-11	ELECT	220uF	20%	10V
0.400	4 400 050 44	EL EOT	00	000/	(VA333ES)	0500	4 400 000 44	EL EOT	000 5	000/	(DA7ES)
C462	1-128-858-11	ELECT	22uF	20%	50V	C506	1-128-832-11	ELECT	220uF	20%	10V
C463	1-119-779-11	ELECT	220uF	20%	4ES/DA7ES) 10V	C507	1 164 161 11	CEDAMIC CUID	0.0022uF	100/	(DA7ES)
0403	1-119-779-11	ELEGI	220ur	2070	(VA333ES)	6307	1-104-101-11	CERAMIC CHIP	U.UUZZUF	10%	100V (DA7ES)
C463	1-128-832-11	FLECT	220uF	20%	10V	C508	1_16/_161_11	CERAMIC CHIP	0.0022uF	10%	(DA7ES) 100V
0400	1-120-002-11	LLLOI	22001		4ES/DA7ES)	0300	1-104-101-11	OLIMANIO GIIII	0.002241	10 /6	(DA7ES)
C466	1-137-505-11	MYLAR	220PF	5%	50V	C509	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
0400	1 107 000 11	10112501	22011	0 /0	001	0000	1 100 021 11	OLITANIO OIIII	0.0101	1070	(DA7ES)
C467	1-137-505-11	MYLAR	220PF	5%	50V						(5/11/25)
C468	1-137-505-11	MYLAR	220PF	5%	50V	C511	1-128-858-11	ELECT	22uF	20%	50V
C469	1-137-505-11	MYLAR	220PF	5%	50V						(DA7ES)
C470	1-137-505-11	MYLAR	220PF	5%	50V	C512	1-128-858-11	ELECT	22uF	20%	50V
C471	1-119-825-41	ELECT	22uF	20%	50V						(DA7ES)
					(VA333ES)	C551	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C552	1-163-038-00	CERAMIC CHIP	0.1 <b>u</b> F		25V
C471	1-128-858-11	ELECT	22uF	20%	50V	C553	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
					4ES/DA7ES)						
C472	1-119-825-41	ELECT	22uF	20%	50V	C554	1-164-161-11		0.0022uF	10%	100V
					(VA333ES)	C555	1-128-858-11	ELECT	22uF	20%	50V
C472	1-128-858-11	ELECT	22uF	20%		0555	4 440 005 44	EL FOT	00 5		ES/DA7ES)
0.470	4 440 770 44	FLECT	000		4ES/DA7ES)	C555	1-119-825-41	ELEGI	22uF	20%	50V
C473	1-119-779-11	ELEGI	220uF	20%	10V	CEEC	1-128-858-11	EL ECT	00		(VA333ES)
C473	1-128-832-11	ELECT	220uF	20%	(VA333ES) 10V	C556	1-120-000-11	ELECI	22uF	20%	50V ES/DA7ES)
0473	1-120-032-11	LLLUI	220ui		4ES/DA7ES)	C556	1-119-825-41	FLECT	22uF	20%	50V
				(DA		3500	7 110 020-41	LLLV	TEUI		(VA333ES)
C474	1-137-505-11	MYLAR	220PF	5%	50V					,	(
C475	1-137-505-11		220PF	5%	50V			< CONNECTOR >			
C476	1-137-505-11		220PF	5%	50V			( 00111120 1011 )			
C477	1-119-827-11		47uF	20%	50V	CNP401	1-784-929-11	PIN, CONNECTOR	14P		
					(VA333ES)	CNP402	1-784-774-11	CONNECTOR, FFC	13P		
C477	1-128-860-11	ELECT	47uF	20%	50V	CNP403	1-784-921-11	PIN, CONNECTOR	4P		
				(DA	4ES/DA7ES)	CNP408	1-784-929-11	PIN, CONNECTOR	14P		
C478	1-119-827-11	ELECT	47uF	20%	50V			< DIODE >			
					(VA333ES)						
C478	1-128-860-11	ELECT	47uF	20%	50V	D401	8-719-988-61	DIODE 1SS355T			
		0004440	0.0000		4ES/DA7ES)	D404	8-719-988-61	DIODE 1SS355T			
C481		CERAMIC CHIP	0.0022uF	10%	100V	D405		DIODE 1SS355T			
C482		CERAMIC CHIP	0.0022uF	10%	100V	D406		DIODE 1SS355T			
C483	1-103-201-11	CERAMIC CHIP	100PF	5%	50V	D407	8-719-988-61	DIODE 1SS355T	C-1/		
C484	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	D408	8-719-088-61	DIODE 1SS355T	F_17 (NA7E9	3)	
C485		CERAMIC CHIP	0.0022uF	10%	100V	2,00	3	2,002 10000011	- 11 (DAIL)	-,	
C486		CERAMIC CHIP	100PF	5%	50V						
			-		•						

### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description		<u>Remark</u>
		< FERRITE BEAD >		R410	1-216-214-00	RES-CHIP	4.7K	2% 1/8W (DA4ES/DA7ES)
FB401	1-469-152-11	FERRITE, EMI (SMD)		R410	1-260-004-11	CARBON MELF	4.7K	2% 1/8W (VA333ES)
		< IC >		R411	1-216-246-00	RES-CHIP	100K	2% 1/8W (DA4ES/DA7ES)
IC401 IC402	8-759-663-90 8-759-835-79	IC ADM3222ARU-REEL IC TC9274N-016		R411	1-260-020-11	CARBON MELF	100K	2% 1/8W (VA333ES)
IC403 IC404	6-702-387-01 6-702-387-01	IC CXD9725M IC CXD9725M		R412	1-216-214-00	RES-CHIP	4.7K	2% 1/8W (DA4ES/DA7ES)
IC405	6-702-387-01	IC CXD9725M		R412	1-260-004-11	CARBON MELF	4.7K	2% 1/8W
IC406 IC407		IC NJM4580E-D		R413	1-216-174-00	RES-CHIP	100	(VA333ES) 2% 1/8W
IC408 IC409	8-759-711-85	IC NJM4580E-D IC NJM4580E-D		R413	1-259-983-11	CARBON MELF	100	(DA4ES/DA7ES) 2% 1/8W
IC410		IC NJM4580E-D		R414	1-216-174-00	RES-CHIP	100	(VA333ES) 2% 1/8W
IC411 IC412 IC413	8-759-711-85 8-759-711-85	IC TC94A07P (DA7ES) IC NJM4580E-D (DA7ES) IC NJM4580E-D		R414	1-259-983-11	CARBON MELF	100	(DA4ES/DA7ES) 2% 1/8W (VA333ES)
IC414 IC415		IC NJM4580E-D IC NJM4580E-D		R415	1-216-214-00	RES-CHIP	4.7K	2% 1/8W
IC416 IC551	8-759-711-85 8-759-590-10	IC NJM4580E-D IC TC9273F-012(EL)		R415	1-260-004-11	CARBON MELF	4.7K	(DA4ES/DA7ES) 2% 1/8W
IC552 IC553	8-759-711-85	IC NJM4580E-D IC NJM4580E-D		R416	1-216-214-00	RES-CHIP	4.7K	(VA333ES) 2% 1/8W
10000	0-709-711-00	< JACK >		R416	1-260-004-11	CARBON MELF	4.7K	(DA4ES/DA7ES) 2% 1/8W
J401	1-793-345-21	JACK, PIN 6P (MULTI CHANI		R417	1-216-174-00	RES-CHIP	100	(VA333ES) 2% 1/8W (DA4ES/DA7ES)
J402	1-784-934-11	JACK, PIN 4P (MULTI CHANI F	NEL INPUT 1, RONT/SURROUND)	R417	1-259-983-11	CARBON MELF	100	2% 1/8W
J403	1-815-520-11	JACK, PIN 4P (MULTI CHANI SURR BACK/CEN	NEL INPUT 1, TER/SUB WOOFER)	R418	1-216-174-00	RES-CHIP	100	(VA333ES) 2% 1/8W
J404 J405	1-784-934-11 1-815-520-11	JACK, PIN 4P (PRE OUT, FRO JACK, PIN 4P (PRE OUT,	,	R418	1-259-983-11	CARBON MELF	100	(DA4ES/DA7ES) 2% 1/8W
			TER/SUB WOOFER)	R419	1-216-214-00	RES-CHIP	4.7K	(VA333ES) 2% 1/8W
J406 J407	1-774-822-21 1-815-737-11	JACK, PIN 2P (PRE OUT,3RE CONNECTOR, (D) SUB 9P (R		R419	1-260-004-11	CARBON MELF	4.7K	(DA4ES/DA7ES) 2% 1/8W (VA333ES)
		< TRANSISTOR >		R420	1-216-214-00	BEG-CHID	4.7K	2% 1/8W
Q401 Q404	8-729-230-49 8-729-230-49	TRANSISTOR 2SC2712-YG TRANSISTOR 2SC2712-YG						(DA4ES/DA7ES)
Q405	8-729-230-49	TRANSISTOR 2SC2712-YG		R420	1-260-004-11	CARBON MELF	4.7K	2% 1/8W (VA333ES)
Q406 Q407	8-729-230-49 8-729-230-49	TRANSISTOR 2SC2712-YG TRANSISTOR 2SC2712-YG		R421	1-216-246-00		100K	2% 1/8W (DA4ES/DA7ES)
Q408	8-729-230-49	TRANSISTOR 2SC2712-YG	(DA7ES)	R421	1-260-020-11	CARBON MELF	100K	2% 1/8W (VA333ES)
		< RESISTOR >		R422	1-216-174-00	RES-CHIP	100	2% 1/8W (DA4ES/DA7ES)
R401	1-216-246-00	RES-CHIP 100K	2% 1/8W (DA4ES/DA7ES)	R422	1-259-983-11	CARBON MELF	100	2% 1/8 <b>W</b> (VA333ES
R401	1-260-020-11	CARBON MELF 100K	2% 1/8W (VA333ES)	R423	1-216-174-00	RES-CHIP	100	2% 1/8W (DA4ES/DA7ES)
R402 R403	1-216-013-00 1-216-013-00	METAL CHIP 33 METAL CHIP 33	5% 1/10W 5% 1/10W	R423	1-259-983-11	CARBON MELF	100	2% 1/8W
R404	1-216-013-00	METAL CHIP 33	5% 1/10 <b>W</b>	R424	1-216-214-00	RES-CHIP	4.7K	(VA333ES) 2% 1/8W
R405 R406	1-216-013-00 1-216-013-00	METAL CHIP 33 METAL CHIP 33	5% 1/10W 5% 1/10W	R424	1-260-004-11	CARBON MELF	4.7K	(DA4ES/DA7ES) 2% 1/8W (VA333ES)
R407 R408 R409	1-216-013-00 1-216-013-00 1-216-013-00	METAL CHIP 33	5% 1/10W 5% 1/10W 5% 1/10W	R425	1-216-214-00	RES-CHIP	4.7K	2% 1/8W (DA4ES/DA7ES

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### STR-DA4ES/DA7ES/VA333ES

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R425	1-260-004-11	CARBON MELF	4.7K	2%	1/8W (VA333ES)	R441	1-216-246-00	RES-CHIP	100K	2% (D <i>A</i>	1/8W 44ES/DA7ES)
R426	1-216-174-00	RES-CHIP	100	2%	1/8W 4ES/DA7ES)	R441	1-260-020-11	CARBON MELF	100K	2%	1/8W (VA333ES)
R426	1-259-983-11	CARBON MELF	100	2%	1/8W (VA333ES)	R442	1-208-782-11	RES-CHIP	1K	2% (D4	1/8W 44ES/DA7ES)
R427	1-216-174-00	RES-CHIP	100	2% (DA	1/8W 4ES/DA7ES)	R442	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R427	1-259-983-11	CARBON MELF	100	2%	1/8W (VA333ES)	R443	1-208-782-11	RES-CHIP	1K	2% (D <i>A</i>	1/8W 44ES/DA7ES)
R428	1-208-782-11	RES-CHIP	1K	2% (DA	1/8 <b>W</b> 4ES/DA7ES)	R443	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R428	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R444	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R429	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R444	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R429	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R445	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R430	1-208-782-11	RES-CHIP	1K	2% (DA	1/8 <b>W</b> 4ES/DA7ES)	R445	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R430	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R446	1-208-782-11	RES-CHIP	1K	2% (D4	1/8W 4ES/DA7ES)
R431	1-216-246-00	RES-CHIP	100K	2% (DA	1/8W 4ES/DA7ES)	R446	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R431	1-260-020-11	CARBON MELF	100K	2%	1/8W (VA333ES)	R447	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R432	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R447	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R432	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R448	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R433	1-208-782-11	RES-CHIP	1K	2%	1/8W 4ES/DA7ES)	R448	1-259-995-11	CARBON MELF	1K	2%	1/8W
R433	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R449	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W 4ES/DA7ES)
R434	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R449	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R434	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R450	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R435	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R450	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R435	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R451	1-216-246-00	RES-CHIP	100K	2%	1/8W 4ES/DA7ES)
R436	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R451	1-260-020-11	CARBON MELF	100K	2%	1/8W (VA333ES)
R436	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R452 R453	1-216-025-11 1-216-025-11	RES-CHIP RES-CHIP	100 100	5% 5%	1/10W 1/10W
R437	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)	R454	1-208-782-11		1K	2%	1/8W 4ES/DA7ES)
R437	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R454	1-259-995-11	CARBON MELF	1K	2%	1/8W
R438	1-208-782-11	RES-CHIP	1K	2%	1/8W	R455	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W
R438	1-259-995-11	CARBON MELF	1K	(DA 2%	4ES/DA7ES) 1/8W	R455	1-259-995-11	CARBON MELF	1K	(DA 2%	4ES/DA7ES) 1/8W
R439	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W	R456	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W
R439	1-259-995-11	CARBON MELF	1K	2%	4ES/DA7ES) 1/8W	R456	1-259-995-11	CARBON MELF	1K	2%	4ES/DA7ES) 1/8W
R440	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W	D/157	1 200,702 11	חבכ פעות	11/	20/	(VA333ES)
					4ES/DA7ES)	R457	1-208-782-11	RES-CHIP	1K		1/8 <b>W</b> 4ES/DA7ES)
R440	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R457	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)

### STR-DA4ES/DA7ES/VA333ES

R453   1-209-782-11   RES-CHIP   1K   29	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
PASS   1-259-985-11   CARBON MELF   1K				1K		1/8W				100	2%	1/8W
R469   1-208-782-11   RES-CHIP   1K   2%   1/8W   1-216-214-00   RES-CHIP   100K   5%   1/10W   1/20F-782-11   RES-CHIP   100K   2%   1/8W   1/20F-782-11   RES-CHIP   100K   5%   1/10W   1/20F-782-11   RE	R458	1-259-995-11	CARBON MELF	1K	•	1/8W	R488	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
Page   1-299-995-11   CARBON MELF   1K   2%   1/8W   CV-8338E5   1/10W   CV-8338E5	R459	1-208-782-11	RES-CHIP	1K		1/8W	R489	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R460   1-208-782-11   RES-CHIP	R459	1-259-995-11	CARBON MELF	1K	,	1/8W						1/10W
R460   1-259-995-11   CARBON MELF   IX   2% 1/3W   R494   1-216-03-00   METAL CHIP   33   5%   1/10W   R494   1-216-03-00   METAL CHIP   33   5%   1/10W   R495   1-216-03-00   METAL CHIP   33   5%   1/10W   R495   1-216-03-00   METAL CHIP   33   5%   1/10W   R496   1-226-03-01   RES-CHIP   10K   2%   1/2W   R496   1-226-03-01   RES-CHIP   10K   2%   1/2W   R496   1-216-03-00   RES-CHIP   10K   2%   1/2W   R499   1-216-03-00   RES-CHIP   10K   5%   1/10W   R506   1-216-03-00   RES-CHIP   10K   2%   1/2W   R506   1-226-03-01   RES-CHIP   10K   2%   1/2W   1/2W   R506   1-226-03-01   RES-CHIP   10K   2%   1/2W   1/2W   1	R460	1-208-782-11	RES-CHIP	1K		1/8W						
R461   1-216-246-00   RES-CHIP   10K   2% 1/8W   1249-393-11   CARBON   10   5% 1/4W   1246-1246-1246-1246-1246-1246-1246-1246-					(DA	4ES/DA7ES)	1					
Ref	R460	1-259-995-11	CARBON MELF	1K	2%							
R461   1-260-020-11   CARBON MELF   100K   2%   1/39W   (NAS33ES)   R499   1-216-037-300   RES-CHIP   10K   5%   1/10W   10K   5%   1/10W   1/20K   1/20K   5%   1/10W   1/20K   1/20K   5%   1/10W   1/20K	R461	1-216-246-00	RES-CHIP	100K			R496	1-249-393-11	CARBON			
R462   1-208-782-11   RES-CHIP   1K   2%   1/8W   R901   1-249-938-11   CARBON MELF   1K   2%   1/8W   R901   1-216-058-11   RES-CHIP   10K   5%   1/10W   R901   1-216-073-00   RES-CHIP   10K   5%   1/10W   R901   1-206-03-11   RES-CHIP   10K   1/10W	R461	1-260-020-11	CARBON MELF	100K	•	1/8W	ı					
R462   1-259-995-11   CARBON MELF   1K   2%   1/8W   (VA332S)   R502   1-249-393-11   CARBON   10   5%   1/10W   R503   1-260-39-995-11   CARBON   10   5%   1/10W   R503   1-260-69-11   RES-CHIP   1K   2%   1/8W   R504   1-246-393-11   RES-CHIP   1K   2%   1/8W   R505   1-249-393-11   CARBON   10   5%   1/10W   R506   1-249-393-11   CARBON   10   5%   1/10W   R508   1-260-023-11   CARBON   10   5%   1/10W   R508   1-260-023-11   CARBON   10   6%   1/10W   R508   1-260-023-11   CARBON   10   6%   1/10W   R508   1-260-023-11   CARBON   10   1/10W   R508   1-260-023-11   CARBON   10   1/10W   R508   1-260-023-11   CARBON   1/10W   R508   1-260-023-11   CARBON   1/10W   R508   1-260-023-11   CARBON   1/10W   R508   1/10W   R509   1-260-023-11   CARBON   1/10W   R508   1/10W   R509   1-260-023-11   CARBON   1/10W   R508   1/10W   R509   1-260-023-11   CARBON   1/10W   R509   1-260-018-11   CARBON   1/10W   R509   1/10W	R462	1-208-782-11	RES-CHIP	1K		` 1/8W	R499	1-249-393-11	CARBON	10	5%	1/4W
R463   1-208-782-11   RES-CHP	R462	1-259-995-11	CARBON MELF	1K	,	1/8W						
CARBON MELF   TK   TK   CARBON MELF   TK   TK   TK   TK   TK   TK   TK   T						(VAGGGEG)	R502	1-249-393-11	CARBON	10	5%	1/4W
R463   1-259-995-11   CARBON MELF   1K   2%   1/8W   1/8	R463	1-208-782-11	RES-CHIP	1K			R503	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R464   1-208-782-11   RES-CHIP   1K   2%   1/8W   R508   1-208-581-41   RES-CHIP   10K   5%   1/10W   R508   1-208-581-41   RES-CHIP   10K   2%   1/8W   R509   1-208-581-41   RES-CHIP   10K   2%   1/8W   R509   1-208-581-41   RES-CHIP   10K   2%   1/8W   R509   1-208-571-11   RES-CHIP   10K   2%   1/8W   R509   1-208-571-11   RES-CHIP   10K   2%   1/8W   R509   1-208-571-11   RES-CHIP   68K   2%   1/8W   R50					(DA	4ES/DA7ES)						1/10W
R464   1-208-782-11   RES-CHIP   1K   2%   1/8W   (DATES)   RESOT   1-216-073-00   RES-CHIP   10K   2%   1/8W   (DATES)   RESOT   1-216-073-00   RES-CHIP   10K   2%   1/8W   (DATES)   RESOT   1-216-073-00   RES-CHIP   180K   2%   1/8W   (DATES)   RESOT   1-208-581-41   RES-CHIP   180K   2%   1/8W   (DATES)   RESOT   1-208-782-11   RES-CHIP   180K   2%   1/8W   (DATES)   RESOT   1-208-571-11   RES-CHIP   180K   2%   1/8W   RESOT	R463	1-259-995-11	CARBON MELF	1K	2%		R505		CARBON		5%	1/4W
R466   1-208-782-11   RES-CHIP   1K   2%   1/8W   (DATES)   R508   1-208-581-41   RES-CHIP   180K   2%   1/8W   (DATES)   (DATES)   R508   1-260-023-11   CARBON MELF   180K   2%   1/8W   (VA333ES)   R509   1-208-581-41   RES-CHIP   180K   2%   1/8W   (VA333ES)   R509   1-208-581-41   RES-CHIP   RES-CHIP   180K   2%   1/8W   (VA333ES)   R509   1-208-581-41   RES-CHIP	R464	1-208-782-11	RES-CHIP	1K	2%	`1/8W ´					5%	
R466						` '						
R467   1-216-073-00   RES-CHIP   10K   5%   1/10W   (DA7ES)   R668   1-216-065-11   RES-CHIP   18K   2%   1/8W   (DA7ES)   R669   1-208-782-11   RES-CHIP   18K   2%   1/8W   (DA7ES)   R669   1-208-782-11   RES-CHIP   18K   2%   1/8W   (DA7ES)   R670   1-208-782-11   RES-CHIP   18K   2%   1/8W   (DA7ES)   R670   1-208-782-11   RES-CHIP   18K   2%   1/8W   (DA7ES)   R671   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R671   1-260-018-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R671   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R671   1-216-246-00   RES-CHIP   100K   5%   1/10W   (DA7ES)   R671   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R671   1-216-246-00   RES-CHIP   33   5%   1/10W   (DA7ES)   R671   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R671   1-249-393-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R6	R465		RES-CHIP				R508	1-208-581-41	RES-CHIP	180K		
R467   1-216-073-00   RES-CHIP   10K   5%   1/10W   1/20K	R466	1-249-393-11	CARBON	10	5%		R508	1-260-023-11	CARBON MELF	180K		
R468   1-216-065-11   RES-CHIP   A.7K   5%   1/10W   (DA7ES)	R467	1-216-073-00	RES-CHIP	10K	5%	1/10W	R509	1-208-581-41	RES-CHIP	180K		
R469   1-208-782-11   RES-CHIP   1K   2%   1/8W   (DAYES)   (DAY	R468	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	R509	1-260-023-11	CARBON MELF	180K	2%	1/8W
R470   1-208-782-11   RES-CHIP   100K   2%   1/8W   R510   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E)   R471   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA4ES/DA7ES)   R511   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA4ES/DA7ES)   R512   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R512   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R513   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R513   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R513   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA4ES/DA7ES)   R514   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R516   1-260-018-11   CARBON MELF   68K   2%	R469	1-208-782-11	RES-CHIP	1K	2%	1/8W	R510	1-208-571-11	RES-CHIP	68K		
R471   1-216-246-00   RES-CHIP   100K   2%   1/8W   R511   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA4ES/DA7ES)   R511   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333ES)   (VA333ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   (VA333ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   (VA333ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   R512   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   R513   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R513   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R513   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R513   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R514   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R514   1-216-065-11   RES-CHIP   4.7K   5%   1/10W   (DA7ES)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R515   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R516   1-208-571-11   RES-CHIP   68K	R470	1-208-782-11	RES-CHIP	1K	2%	1/8W	R510	1-260-018-11	CARBON MELF	68K	2%	1/8W
R471   1-260-020-11   CARBON MELF   100K   2%   1/8W	R471	1-216-246-00	RES-CHIP	100K		1/8W	R511	1-208-571-11	RES-CHIP	68K	2%	1/8W
R471   1-260-020-11   CARBON MELF   100K   2%   1/8W   (VA333ES)   R473   1-216-097-11   RES-CHIP   100K   5%   1/10W   (DA7ES)   R474   1-216-097-11   RES-CHIP   100K   5%   1/10W   (DA7ES)   R477   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R478   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R513   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R478   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R481   1-216-073-00   RES-CHIP   10K   5%   1/10W   R482   1-216-073-00   RES-CHIP   10K   5%   1/10W   R483   1-249-393-11   CARBON   10   5%   1/4W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R486   1-216-174-00   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R486   1-216-174-00   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R486   1-216-174-00   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R486   1-216-174-00   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7E)   R516   1-260-018-11   CARBON MELF   68K   2%					(DA	4ES/DA/ES)	DE44	4 000 040 44	OADDON MELE	001/		
R473   1-216-097-11   RES-CHIP   100K   5%   1/10W   (DA7ES)   R474   1-216-097-11   RES-CHIP   100K   5%   1/10W   (DA7ES)   R477   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R478   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R479   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R481   1-216-033-00   RES-CHIP   10K   5%   1/10W   (DA7ES)   R481   1-216-033-00   RES-CHIP   10K   5%   1/10W   (DA7ES)   R483   1-249-393-11   CARBON   10   5%   1/10W   R515   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333E)   (VA3	R471	1-260-020-11	CARBON MELF	100K	2%						(	(VA333E\$)
R474   1-216-097-11   RES-CHIP   100K   5%   1/10W   (DA7ES)   R477   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R478   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R478   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R513   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333E\$)   R479   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA7ES)   R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R481   1-216-065-11   RES-CHIP   4.7K   5%   1/10W   R515   1-208-571-11   RES-CHIP   68K   2%   1/8W   R482   1-216-073-00   RES-CHIP   10K   5%   1/10W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   R483   1-249-393-11   CARBON   10   5%   1/4W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333E\$)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   100   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   100   2%   1/8W   R516   1-260-018-11   CARBON   RES-CHIP   68K   2%   1/8W   (VA333E\$)   CARBON   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K	R473	1-216-097-11	RES-CHIP	100K	5%	1/10W	H512	1-208-571-11	KES-CHIP	68K		
R477   1-216-246-00   RES-CHIP   100K   2%   1/8W   (DA7ES)   R513   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA4ES/DA7ES)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-260-018-11   CARBON MELF   68K   2%   1/8W   (DA4ES/DA7ES)   R540   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333ES)   (VA333ES)   R481   1-216-065-11   RES-CHIP   4.7K   5%   1/10W   (DA7ES)   R482   1-216-073-00   RES-CHIP   10K   5%   1/10W   R515   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA4ES/DA7ES)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   (VA333ES)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   (VA333ES)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   (VA333ES)   (VA333ES)   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R518   1-208-571-11   RES-CHI	R474	1-216-097-11	RES-CHIP	100K	5%	1/10W	R512	1-260-018-11	CARBON MELF	68K		
R478   1-216-246-00   RES-CHIP   100K   2%   1/8W (DA7ES)   R513   1-260-018-11   CARBON MELF   68K   2%   1/8W (VA333ES)	R477	1-216-246-00	RES-CHIP	100K	2%	1/8W	R513	1-208-571-11	RES-CHIP	68K	2%	1/8 <b>W</b>
R479   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)	R478	1-216-246-00	RES-CHIP	100K	2%	1/8W	R513	1-260-018-11	CARBON MELF	68K	2%	1/8W
R480   1-216-013-00   METAL CHIP   33   5%   1/10W   (DA7ES)   R514   1-260-018-11   CARBON MELF   68K   2%   1/8W   (VA333E\$)	D470	1 010 010 00	METAL OLUB	00	<b>5</b> 0/	, ,	R514	1-208-571-11	RES-CHIP	68K	2%	1/8 <b>W</b>
R481   1-216-065-11   RES-CHIP   4.7K   5%   1/10W   R515   1-208-571-11   RES-CHIP   68K   2%   1/8W   R482   1-216-073-00   RES-CHIP   10K   5%   1/10W   R515   1-260-018-11   CARBON MELF   68K   2%   1/8W   CDA4ES/DA7ES   (VA333ES)   R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   R485   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-260-018-11   CARBON MELF   68K   2%   1/8W   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R486   1-216-174-00   RES-CHIP   100   2%   1/8W   R517   1-208-571-11   RES-CHIP   68K   2%   1/8W   R518   1-208-571						(DA7ES)	R514	1-260-018-11	CARBON MELF	68K	2%	1/8 <b>W</b>
R482 1-216-073-00 RES-CHIP 10K 5% 1/10W R515 1-260-018-11 CARBON MELF 68K 2% 1/8W (VA333E\$) R484 1-208-571-11 RES-CHIP 68K 2% 1/8W R516 1-208-571-11 RES-CHIP 68K 2% 1/8W (DA7ES) R485 1-208-571-11 RES-CHIP 68K 2% 1/8W R516 1-260-018-11 CARBON MELF 68K 2% 1/8W (DA7ES) R486 1-216-174-00 RES-CHIP 100 2% 1/8W R517 1-208-571-11 RES-CHIP 68K 2% 1/8W						(DA7ES)						•
R483 1-249-393-11 CARBON 10 5% 1/4W R515 1-260-018-11 CARBON MELF 68K 2% 1/8W (VA333E\$) R484 1-208-571-11 RES-CHIP 68K 2% 1/8W R516 1-208-571-11 RES-CHIP 68K 2% 1/8W (DA7ES) R485 1-208-571-11 RES-CHIP 68K 2% 1/8W R516 1-260-018-11 CARBON MELF 68K 2% 1/8W (DA7ES) R486 1-216-174-00 RES-CHIP 100 2% 1/8W R517 1-208-571-11 RES-CHIP 68K 2% 1/8W							R515	1-208-571-11	RES-CHIP	68K		
R484   1-208-571-11   RES-CHIP   68K   2%   1/8W   R516   1-208-571-11   RES-CHIP   68K   2%   1/8W   (DA7ES)   (DA4ES/DA7ES)   (DA4ES/DA7ES)   (DA4ES/DA7ES)   (DA7ES)   (VA333ES)   (VA33AES)   (VA3AES)												
(DA7ES) R485 1-208-571-11 RES-CHIP 68K 2% 1/8W R516 1-260-018-11 CARBON MELF 68K 2% 1/8W (DA7ES) R486 1-216-174-00 RES-CHIP 100 2% 1/8W R517 1-208-571-11 RES-CHIP 68K 2% 1/8W											(	VA333E()
(DA7ES) (VA333E)  R486 1-216-174-00 RES-CHIP 100 2% 1/8W R517 1-208-571-11 RES-CHIP 68K 2% 1/8W						(DA7ES)			RES-CHIP	68K		S/DA7E()
R486 1-216-174-00 RES-CHIP 100 2% 1/8W R517 1-208-571-11 RES-CHIP 68K 2% 1/8W						(DA7ES)	R516	1-260-018-11	CARBON MELF	68K		
	H486	1-216-174-00	RES-CHIP	100	2%		R517	1-208-571-11	RES-CHIP	68K	2%	1/8 <b>W</b>

### STR-DA4ES/DA7ES/VA333ES

E-VOL F-SPTM

Dat Na	Dart Na	Description		Damasis	I Dof No	Dort No.	Description			Damark
Ref. No.	<u>Part No.</u>	<u>Description</u>	COV	Remark	Ref. No.	Part No.	Description CARBON MELF	101/	00/	Remark
R517	1-260-018-11	CARBON MELF	68K	2% 1/8W (VA333ES)	R561	1-260-008-11	CARBON MELF	10K	2%	1/8W (VA333ES)
R518	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)	R562	1-216-222-00	RES-CHIP	10K	2% (DA	1/8W 4ES/DA7ES)
R518	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	R562	1-260-008-11	CARBON MELF	10K	2%	1/8W (VA333ES)
R519	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)	R563	1-216-222-00	RES-CHIP	10K	2% (DA	1/8W 4ES/DA7ES)
R519	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	R563	1-260-008-11	CARBON MELF	10K	2%	1/8W (VA333ES)
R520	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)	R564	1-216-222-00	RES-CHIP	10K	2% (DA	1/8W 4ES/DA7ES)
R520	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	R564	1-260-008-11	CARBON MELF	10K	2%	1/8W (VA333ES)
R521	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)	R565	1-208-810-11	RES-CHIP	15K	2% (DA	1/8W 4ES/DA7ES)
R521	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	R565	1-260-010-11	CARBON MELF	15K	2%	1/8W (VA333ES)
R522	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)	R566	1-208-810-11	RES-CHIP	15K	2% (DA	1/8 <b>W</b> 4ES/DA7ES)
R522	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	R566	1-260-010-11	CARBON MELF	15K	2%	1/8W (VA333ES)
R523	1-208-581-41	RES-CHIP	180K	2% 1/8W (DA4ES/DA7ES)			< RELAY >			(**************************************
R523	1-260-023-11	CARBON MELF	180K	2% 1/8W (VA333ES)	RY401	1-515-614-11				
R551	1-216-214-00	RES-CHIP	4.7K	2% 1/8W (DA4ES/DA7ES)	RY404 RY405	1-755-484-11 1-755-484-11	RELAY			
R551	1-260-004-11	CARBON MELF	4.7K	2% 1/8W (VA333ES)	RY406 RY407	1-755-484-11 1-515-614-11	RELAY			
R552	1-208-810-11	RES-CHIP	15K	2% 1/8W	RY408	1-755-484-11	RELAY (DA7ES)			
					I .		•			
R552	1-260-010-11	CARBON MELF	15K	(DA4ES/DA7ES) 2% 1/8W	******		*******			
R552 R553	1-260-010-11 1-216-214-00		15K 4.7K	2% 1/8W (VA333ES) 2% 1/8W	*****	A-4728-904-A	F-SPTM BOARD, F-SPTM BOARD,	COMPLETE COMPLETE	(VA333 (DA4ES	BES)
	1-216-214-00			2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W	******	A-4728-904-A	F-SPTM BOARD, F-SPTM BOARD, *************	COMPLETE COMPLETE	(VA333 (DA4ES	BES)
R553	1-216-214-00	RES-CHIP CARBON MELF	4.7K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W		A-4728-904-A A-4728-940-A	F-SPTM BOARD, F-SPTM BOARD, ************************************	COMPLETE COMPLETE *******	E (VA333 E (DA4ES *	BES) S/DA7ES)
R553 R553 R554	1-216-214-00 1-260-004-11 1-208-810-11	RES-CHIP CARBON MELF RES-CHIP	4.7K 4.7K 15K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES)	C511 C561	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11	F-SPTM BOARD, F-SPTM BOARD, ************************************	COMPLETE COMPLETE ********** 0.01uF 0.01uF	5% 5%	SES) S/DA7ES) 50V 50V
R553 R553 R554 R554	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11	RES-CHIP CARBON MELF RES-CHIP CARBON MELF	4.7K 4.7K 15K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES)	C511 C561 C563 C564	A-4728-940-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00	F-SPTM BOARD, F-SPTM BOARD, ************************************	COMPLETE COMPLETE ***********************************	5% 5% 5% 5%	50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP	4.7K 4.7K 15K 15K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES)	C511 C561 C563 C564 C565	A-4728-940-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00	F-SPTM BOARD, F-SPTM BOARD, *************  < CAPACITOR >  MYLAR MYLAR GERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	COMPLETE COMPLETE ***********************************	5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES)	C511 C561 C563 C564 C565 C566 C694	A-4728-940-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR GERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP MYLAR	COMPLETE COMPLETE ***********************************	5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP	4.7K 4.7K 15K 15K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES)  2% 1/8W (VA333ES)	C511 C561 C563 C564 C565	A-4728-940-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR GERAMIC CHIP GERAMIC CHIP GERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP MYLAR CERAMIC CHIP	COMPLETE COMPLETE ***********************************	5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES)  2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR GERAMIC CHIP GERAMIC CHIP GERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP MYLAR CERAMIC CHIP  < CONNECTOR >	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES)  2% 1/8W (VA333ES)	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR GERAMIC CHIP GERAMIC CHIP GERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP MYLAR CERAMIC CHIP	COMPLETE COMPLETE **********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V 50V
R553 R554 R554 R555 R555 R556 R556	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00 1-260-008-11	RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES)	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00	F-SPTM BOARD, F-	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555 R556 R556	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00 1-260-008-11	RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES)	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00 1-564-721-11 1-564-721-11	F-SPTM BOARD, F-SPTM BOARD, ***************  < CAPACITOR >  MYLAR MYLAR CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP  CERAMIC CHIP  YLAR CERAMIC CHIP  < CONNECTOR >  PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555 R556 R556 R556	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00 1-260-008-11 1-216-013-00 1-216-013-00 1-216-222-00	RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 5% 1/10W (VA333ES)	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00 1-564-721-11 1-564-721-11	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP  < CONNECTOR >  PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555 R556 R556 R556 R557 R558 R559	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-222-00 1-260-008-11 1-216-013-00 1-216-013-00 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF METAL CHIP METAL CHIP METAL CHIP RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 5% 1/8W (VA333ES) 5% 1/10W 5% 1/10W 5% 1/10W 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00 1-564-721-11 1-564-721-11	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP  < CONNECTOR >  PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V
R553 R553 R554 R554 R555 R555 R556 R556 R556 R557 R558 R559	1-216-214-00 1-260-004-11 1-208-810-11 1-260-010-11 1-216-222-00 1-260-008-11 1-216-013-00 1-216-013-00 1-216-222-00 1-260-008-11 1-216-222-00	RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF RES-CHIP CARBON MELF METAL CHIP METAL CHIP METAL CHIP RES-CHIP CARBON MELF	4.7K 4.7K 15K 15K 10K 10K 10K 10K 10K	2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 2% 1/8W (DA4ES/DA7ES) 2% 1/8W (VA333ES) 5% 1/10W 5% 1/10W 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W (VA333ES) 2% 1/8W	C511 C561 C563 C564 C565 C566 C694 C695	A-4728-904-A A-4728-940-A 1-137-150-11 1-137-150-11 1-163-133-00 1-163-133-00 1-163-133-00 1-137-150-11 1-163-133-00 1-564-721-11 1-564-721-11	F-SPTM BOARD, F-SPTM BOARD, **************  < CAPACITOR >  MYLAR MYLAR CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP MYLAR CERAMIC CHIP  < CONNECTOR >  PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	COMPLETE COMPLETE *********  0.01uF 0.01uF 470PF 470PF 470PF 0.01uF 470PF 0.01uF 470PF	5% 5% 5% 5% 5% 5% 5% 5% 5%	50V 50V 50V 50V 50V 50V 50V 50V

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
		< DIODE >				TM601	1-694-910-21	TERMINAL BOA			(VA333ES)
D540 D541	8-719-988-61 8-719-988-61	DIODE 1SS355 DIODE 1SS355				*******	******	*******	*****	*****	*****
D542 D543 D544	8-719-988-61 8-719-988-61 8-719-988-61	DIODE 1SS355 DIODE 1SS355 DIODE 1SS355	TE-17 TE-17				1-685-487-11	FUNCTION BOAF			
D545	8-719-988-61	DIODE 1SS355						< CONNECTOR >	•		
D546 D598	8-719-988-61 8-719-988-61	DIODE 1SS355 DIODE 1SS355	TE-17			CNP106	1-784-922-11	PIN, CONNECTO	R 5P		
D607 D667	8-719-988-61 8-719-988-61	DIODE 1SS355	TE-17					< DIODE >			
	01100000	< COIL >				D116	8-719-032-98	LED SEL5820A	(AUDIO SP	LIT)	
1.504	1 100 000 10							< RESISTOR >			
L501 L551		COIL, AIR-CORE				R165	1-216-029-00	METAL CHIP	150	5%	1/10W
L651		COIL, AIR-CORE				R166	1-216-049-11	RES-CHIP	1K	5%	1/10W
		< TRANSISTOR :	>			R167	1-216-057-00		2.2K	5%	1/10W
Q598	8-729-230-49	TRANSISTOR 2						< ROTARY ENCO			
Q611 Q621	8-729-230-49 8-729-230-49	TRANSISTOR 2				RV101	1-467-808-21	ENCODER, ROTA	RY (FUNCT	ion)	
		< RESISTOR >						< SWITCH >			
R511	1-249-389-11	CARBON	4.7	5%	1/4W	S132 S133		SWITCH, KEYBO SWITCH, KEYBO			
R512	1-249-393-11	CARBON	10	5%	1/4W	S133		SWITCH, KEYBO			)
R561	1-249-389-11		4.7	5%	1/4W	******		******			*****
R562	1-249-393-11	CARBON	10	5%	1/4W						
R584	1-249-393-11	CARBON	10	5%	1/4W		1-685-488-11	HP BOARD ******			
R585 R586	1-216-073-00 1-216-065-11		10K 4.7K	5% 5%	1/10W 1/10W			< CAPACITOR >			
R589	1-216-065-11		4.7K 4.7K	5% 5%	1/10W			< GAPAGITUR >			
R617	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	C120	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
R632	1-216-073-00		10K	5%	1/10W	C121		CERAMIC CHIP	680PF	5%	(VA333E\$) 50V
R633	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	0121	1-103-137-00	CENAIVIIC CITIF	OOUFF	J 76	(VA333E\$)
R634	1-249-393-11		10	5%	1/4W						(77.00023)
R642	1-216-073-00		10K	5%	1/10W			< CONNECTOR >			
R644	1-249-393-11		10	5%	1/4W	0110400	4 504 740 44	DIAL 00414150701			
R645 R655	1-216-065-11		4.7K	5%	1/10W		1-564-718-11 1-779-978-11	PIN, CONNECTOR PIN, CONNECTOR		YPE) 2P	
R683	1-249-389-11 1-216-065-11	CARBON RES-CHIP	4.7 4.7K	5% 5%	1/4W 1/10W			< JACK >			
R698	1-249-393-11	CARBON	10	5%	1/4W						
R733	1-216-065-11	RES-CHIP	4.7K	5%	1/10W	J101		JACK (PHONES)			
		< RELAY >				*****		******			*****
RY503	1-515-920-11	RELAY (24V)						INPUT BOARD, C INPUT BOARD, C			21
RY601	1-515-920-11	RELAY (24V)						INPUT BOARD, C			3)
RY661	1-515-920-11	RELAY (24V)						******	`	J 20,	
		< TERMINAL >					7-685-646-79	SCREW +BVTP 3	X8 TYPE2 IT	Γ-3 (D <b>A</b> 4	ES/DA7E\$
TM501	1-694-935-11	TERMINAL BOAR	RD (8P) (SPE		RONT A/B) ES/DA7ES)			< CAPACITOR >			
TM501	1-694-935-21	TERMINAL BOAR	RD (8P) (SPE	AKÈRS,F		C301 C302	1-119-821-11 1-163-251-11	ELECT CERAMIC CHIP	2.2uF 100PF	20% 5%	50V 50V
TM601	1-694-910-11	TERMINAL BOA	RD (2P) (SPE			C303	1-128-832-11		220uF	20%	10V
					es/da7és)	C304	1-125-896-11	MYLAR	0.0091uF	5%	50V
						C305	1-136-159-00	MYLAR	0.033uF	5%	50V
						C306 C308	1-126-045-11 1-163-001-11	ELECT CERAMIC CHIP	2.2uF 220PF	20% 10%	50V 50V

#### STR-DA4ES/DA7ES/VA333ES

INPUT

										<u> </u>	
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C309 C310	1-163-033-11 1-163-251-11	CERAMIC CHIP CERAMIC CHIP	0.022uF 100PF	5%	50V 50V	C344	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V (VA333ES)
0044	1 100 051 11	CEDANNE CUID	10000	E0/	(VA333ES)	C345	1-164-161-11 1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C311	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C346 C347	1-164-161-11	CERAMIC CHIP	0.0022uF 0.0022uF	10% 10%	100V 100V
C312	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C348	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C313	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C349	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
					(VA333ES)	C350 C351	1-163-251-11 1-119-821-11	CERAMIC CHIP ELECT	100PF 2.2uF	5% 20%	50V 50V
C314	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C352 C353	1-163-251-11 1-128-832-11	CERAMIC CHIP ELECT	100PF 220uF	5% 20%	50V 10V
C315	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C354	1-125-896-11	MYLAR	0.0091uF		50V
C316	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C355	1-136-159-00	MYLAR	0.0091uF 0.033uF	5% 5%	50V 50V
C317	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V	C356 C357	1-126-045-11 1-163-275-11	ELECT CERAMIC CHIP	2.2uF 0.001uF	20% 5%	50V 50V
					(VA333ES)						(VA333ES)
C318	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C358	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C319	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C359 C360	1-163-033-11 1-163-251-11	CERAMIC CHIP CERAMIC CHIP	0.022uF 100PF	5%	50V 50V
				F0/	(VA333ES)						(VA333ES)
C320	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C361	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C321	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)	C362	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C323	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/DA7ES)	C363	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C324	1-128-858-11	ELECT	22uF	20% (DA	50V 4ES/D <b>A</b> 7ES)	C364	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C325	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)	C365	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C325	1-128-858-11	ELECT	22uF	20%	50V 4ES/DA7ES)	C366	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C326	1-119-825-41	ELECT	22uF	20%	50V (VA333ES)	C367	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V
C326	1-128-858-11	ELECT	22uF	20%	50V 4ES/DA7ES)	C368	1-163-251-11	CERAMIC CHIP	100PF	5%	(VA333ES) 50V
C327	1-128-858-11	ELECT	22uF	20%	50V						(VA333ES)
					(DA7ES)	C369	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C328	1-128-858-11	ELECT	22uF	20%	50V (DA7ES)	C370	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C329	1-119-805-21	ELECT	2200uF	20%	25V (VA333ES)	C371	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (VA333ES)
C329	1-127-728-51	ELECT	2200uF	20% (DA	25V 4ES/DA7ES)	C373	1-128-858-11	ELECT	22uF	20% (DA4	50V IES/DA7ES)
C330	1-119-805-21	ELECT	2200uF	20%	25V (VA333ES)	C374	1-128-858-11	ELECT	22uF	20%	50V IES/DA7ES)
C330	1-127-728-51	ELECT	2200uF	20% (DA	25V 4ES/DA7ES)	C375	1-119-825-41	ELECT	22uF	20%	50V
C331	1-128-832-11	FLECT	220uF	20%	10V	C375	1-128-858-11		22uF	20%	(VA333ES) 50V
C332	1-137-505-11		220PF		4ES/DA7ES) 50V	C376	1-119-825-41		22uF		ES/DA7ES) 50V
				(DA	4ES/DA7ES)						(VA333ES)
C333	1-128-858-11	ELEGI	22uF	20% (DA	50V 4ES/DA7ES)	C376	1-128-858-11	ELECT	22uF	20% (DA4	50V ES/DA7ES)
C335		CERAMIC CHIP			100V 4ES/DA7ES)	C377	1-128-858-11	ELECT	22uF	20%	50V (DA7ES)
C341	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V (VA333ES)	C378	1-128-858-11	ELECT	22uF	20%	50V (DA7ES)
C342	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C379		CERAMIC CHIP	0.1uF		25V
C343	1-163-275-11	CERAMIC CHIP	0.001uF	5%	(VA333ES) 50V	C380 C381	1-163-038-00 1-128-832-11	CERAMIC CHIP ELECT	0.1uF 220uF	20%	25V 10V
55 10		Jan Jan Olli	J.30.ui		(VA333ES)		20 002 11		-LVUI		ES/DA7ES)

### STR-DA4ES/DA7ES/VA333ES

### INPUT

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			Remark
C382	1-137-505-11	MYLAR	220PF	5%	50V	IC313	8-759-245-87	IC TA79015S	D (DA4E0#	) 4 7 C C \	
C383	1-128-858-11	ELECT	22uF	20%	4ES/DA7ES) 50V 4ES/DA7ES)	IC314	8-759-711-85	IC NJM4580E	-D (DA4E5/I	JA/ES)	
C384	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	1004	4 770 547 44		DUONO OD	0400 14	70 AT OUT
C385	1-164-161-11	CERAMIC CHIP	0.0022 <b>u</b> F	10 <sup>°</sup> %	100V 100V 1ES/DA7ES)	J301 J302 J303	1-778-517-11 1-778-517-11 1-784-934-11	JACK, PIN 6P ( JACK, PIN 6P ( JACK, PIN 4P (	MD/DAT IN,	TAPE)	D/DALOUT)
C391	1-164-161-11	CERAMIC CHIP	0.0022uF		100V (DA7ES)	J304 J305	1-784-934-11 1-778-517-11	JACK, PIN 4P ( JACK, PIN 6P (	VIDEO 2)	D ROOM	) 4ES/DA7ES)
C392	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V (DA7ES)	J305	1-784-934-11	JACK, PIN 4P (	VIDEO 1) (V	•	
C393	1-163-251-11	CERAMIC CHIP	100PF	5%	50V (DA7ES)		. , , , , , , , , , , , , , , , , , , ,	< TRANSISTOR		. 100020)	
C394	1-136-169-00		0.22uF	5%	50V ´						
C395 C396	1-136-169-00 1-119-805-21		0.22uF 2200uF	5% 20%	50V 25V (VA333ES)	Q301	8-729-230-49	TRANSISTOR < RESISTOR >	2SC2712-Y	G (DA4ES	S/DA7ES)
C396	1-127-728-51	ELECT	2200uF	20%	25V	R301	1-208-453-41	RES-CHIP	4.7K	2%	1/10 <b>W</b>
0007	1 110 005 01	FLEOT	0000 F		IES/DA7ES)	R302	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
C397	1-119-805-21	ELECT	2200uF	20%	25V (VA333ES)	R303 R304	1-216-697-11 1-216-633-11	METAL CHIP METAL CHIP	82K 180	0.5% 0.5%	1/10W 1/10W
C397	1-127-728-51	ELECT	2200uF	20% (DA4	25V IES/DA7ES)	R305	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10 <b>W</b>
C398	1-163-038-00	CERAMIC CHIP	0.1uF	<b>\</b>	25V	R306	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
C399	1-119-803-11	CI CCT	470F	200/	(DA7ES)	R307	1-216-627-11	METAL CHIP	100	0.5%	1/10W
0399	1-119-003-11	ELECT	470uF	20%	25V (VA333ES)	R308 R309	1-216-699-11 1-208-774-11	METAL CHIP RES-CHIP	100K 470	0.5% 2%	1/10W 1/10W
					(17100020)	R310	1-208-782-11	RES-CHIP	1K	2%	1/8W
C399	1-127-726-11	ELECT	470uF	20% (D <b>A</b> 4	25V IES/DA7ES)						4ES/DA7ES
		< CONNECTOR >		·		R310	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
CN301	1 704 004 44		4D			R311	1-208-782-11	RES-CHIP	1K	2%	1/8W
CNP302	1-784-921-11 1-784-921-11 1-784-923-11	PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	4P			R311	1-259-995-11	CARBON MELF	1K	(DA <sup>4</sup> 2%	4ES/DA7ES) 1/8W (VA333ES)
CNP304	1-784-928-11 1-779-978-11	PIN, CONNECTOR PIN, CONNECTOR	13P			R312	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 1ES/DA7ES
CNP306	1-564-320-00	PIN, CONNECTOR		PITCH) 2	<u>2</u> P	R312	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
* CNP307	1-564-707-11	PIN, CONNECTOR	(SMALL T	YPE) 5P	ı	R313	1-208-782-11	RES-CHIP	1K	2%	1/8W
		< DIODE >				R313	1-259-995-11	CARBON MELF	1K	(DA <sup>2</sup> 2%	1ES/DA7ES) 1/8W
D301	8-719-988-61	DIODE 1SS355T	E-17 (D <b>A</b> 4E	S/DA7E	S)	R314	1-208-782-11		1K	2%	(VA333ES) 1/8W
		< TERMINAL >								(DA	IES/DA7ES)
* EPT301	1-537-738-21	TERMINAL, EART	Н			R314		CARBON MELF	1K	2%	1/8W (VA333ES)
		< IC >				R315	1-208-782-11	RES-CHIP	1K	2% (DA <sup>2</sup>	1/8 <b>W</b> IES/DA7ES)
IC301 IC302		IC NJM4580E-D IC TC9274N-015				R315	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
IC303 IC304	8-759-835-78	IC TC9274N-015	i			R316	1-208-782-11	RES-CHIP	1K	2% (DΔ/	1/8W IES/DA7ES)
IC305		IC NJM4580D-D		A7ES)		R316	1-259-995-11	CARBON MELF	1K	2%	1/8W
IC306 IC307		IC NJM4580E-D				R317	1-216-206-00	RES-CHIP	2.2K	2%	(VA333ES) 1/8W
1C308	8-759-711-85	IC NJM4580E-D IC TA7815S	(DATES)			R317	1-259-999-11	CARBON MELF	2.2K	(DA4 2%	IES/DA7ES) 1/8 <b>W</b>
IC309 IC310		IC TA79015S						- · ··· <b></b>		J. 7	(VA333ES)
IC311	8-759-835-76	IC TC94A07P (D	A4ES/DA7E	S)		R318	1-208-782-11	RES-CHIP	1K	2% (DA4	1/8 <b>W</b> ES/DA7ES)
IC312	8-759-231-59	IC 1A7815S				I					

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### STR-DA4ES/DA7ES/VA333ES

INPUT

										<b>-</b>	
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R318	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)	R359 R360	1-208-774-11 1-208-782-11	RES-CHIP RES-CHIP	470 1K	2% 2%	1/10W 1/8W
R319	1-216-206-00	RES-CHIP	2.2K	2%	1/8W	11000	1 200 702 11	1120 01111	•••		4ES/DA7ES)
R319	1-259-999-11	CARBON MELF	2.2K	(DA4 2%	1ES/DA7ES) 1/8W	R360	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R320	1-208-782-11	RES-CHIP	1K	2%	(VA333ES) 1/8W	R361	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R320	1-259-995-11		1K		IES/DA7ES) 1/8W	R361	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
11020	1 203 330 11	O'MIDON MELL		270	(VA333ES)	R362	1-208-782-11	RES-CHIP	1K	2%	1/8W
R321	1-208-782-11	RES-CHIP	1K	2%	1/8W IES/DA7ES)	R362	1-259-995-11	CARBON MELF	1K		4ES/DA7ES) 1/8W
R322	1-216-214-00	RES-CHIP	4.7K	2%	1/8W						(VA333ES)
R323	1-216-627-11	METAL CHIP	100	0.5%	1/10W	R363	1-208-782-11	RES-CHIP	1K	,	1/8W 4ES/DA7ES)
R324	1-216-246-00	RES-CHIP	100K	2%	IES/DA7ES) 1/8W	R363	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R325	1-216-246-00	RES-CHIP	100K	2%	IES/DA7ES) 1/8W IES/DA7ES)	R364	1-208-782-11	RES-CHIP	1K	2% (DA	1/8W 4ES/DA7ES)
R326	1-208-581-41	RES-CHIP	180K	2%	1/8W	R364	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R326	1-216-250-11		150K	2%	(DA7ES) 1/8W	R365	1-208-782-11	RES-CHIP	1K	2% (DM	1/8W 4ES/DA7ES)
R327	1-208-581-41		180K	2%	(DA4ES) 1/8W	R365	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R327	1-216-250-11		150K	2%	(DA7ES) 1/8W	R366	1-208-782-11	RES-CHIP	1K	2%	1/8W 4ES/DA7ES)
R327		CARBON MELF	100K	2%	(DA4ES) 1/8W	R366	1-259-995-11	CARBON MELF	1K	2%	1/8W
noz <i>i</i>	1-200-020-11	CANDON WILLF	TUUK	2 70	(VA333ES)	Dacz	1-216-206-00	RES-CHIP	0.01/	00/	(VA333ES)
R328	1-208-583-11	RES-CHIP	220K	2%	1/8W	R367			2.2K	•	1/8W 1ES/DA7ES)
R328	1-216-254-00	CARBON MELF	220K	2%	1/8W	R367	1-259-999-11	CARBON MELF	2.2K	2%	1/8W (VA333ES)
R329	1-208-581-41	RES-CHIP	180K	2%	(VA333ES) 1/8W	R368	1-208-782-11	RES-CHIP	1K	-	1/8W IES/DA7ES)
R330	1-208-583-11	RES-CHIP	220K	2%	(DA7ES) 1/8W	R368	1-259-995-11	CARBON MELF	1K	2%	1/8W (VA333ES)
R331	1-216-013-00	METAL CHIP	33	5%	(DA7ES) 1/10W	R369	1-216-206-00	RES-CHIP	2.2K	2% (D#4	1/8W IES/DA7ES)
R332	1-216-013-00	METAL CHIP	33	5%	1/10W	R369	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R333	1-216-013-00		33	5%	1/10W 1/10W	D070	1 000 700 11	DEC CUID	417	2%	(VA333ES)
R334 R335	1-216-013-00 1-216-013-00		33 33	5% 5%	1/10W	R370	1-208-782-11		1K	(D <i>I</i> 4	1/8W FES/DA7ES)
R336	1-216-013-00	METAL CHIP	33	5%	(DA7ES) 1/10W	R370		CARBON MELF	1K	2%	1/8W (VA333ES)
					(DA7ES)	R371	1-208-782-11		1K		1/8W ES/DA7ES)
R339	1-216-013-00		33		1/10W 4ES/DA7ES)	R372	1-216-214-00	RES-CHIP	4.7K	2% (D <i>M</i>	1/8W ES/DA7ES)
R340	1-216-097-11		100K	5% (D <b>A</b> 4	1/10W IES/DA7ES)	R373	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R341	1-216-246-00	RES-CHIP	100K	2% (D <b>A</b> 4	1/8W 1ES/DA7ES)	R374	1-216-246-00	RES-CHIP	100K	(D <i>A</i> 4 2%	ES/DA7ES) 1/8W
R345	1-208-782-11	RES-CHIP	1K	2% (DA4	1/8W (ES/DA7ES)	R375	1-216-246-00	RES-CHIP	100K	(D <i>M</i> 2%	ES/DA7ES) 1/8W
R351	1-208-453-41	RES-CHIP	4.7K	2%	1/10W <sup>^</sup>	R376	1-208-581-41	RES-CHIP	180K		ES/DA7ES) 1/8W
R352	1-216-699-11	METAL CHIP	100K	0.5%	1/10W						(DA7ES)
R353 R354	1-216-697-11 1-216-633-11	METAL CHIP METAL CHIP	82K 180	0.5% 0.5%	1/10W 1/10W	R376	1-216-250-11	RES-CHIP	150K	2%	1/8W (DA4ES)
R355	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W						(DATEO)
R356	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R377	1-208-581-41	RES-CHIP	180K	2%	1/8W (DA7ES)
R357 R358	1-216-627-11 1-216-699-11		100 100K	0.5% 0.5%	1/10 <b>W</b> 1/10 <b>W</b>	R377	1-216-250-11	RES-CHIP	150K	2%	1/8W (DA4ES)

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#### STR-DA4ES/DA7ES/VA333ES

INPU	IT LEC	M-BU	s [	S-SP	ГМ						
Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			Remark
R377	1-260-020-11	CARBON MELF	100K	2%	1/8W			< CONNECTOR :	>		
R378	1-208-583-11	RES-CHIP	220K	2%	(VA333ES) 1/8W	CNS204	1-568-826-11	CONNECTOR, FF	FC 7P (D <b>A</b> 4E	S/DA7E	S)
R378	1-216-254-00	CARBON MELF	220K	2%	1/8W (VA333ES)			< IC >			
R379	1-208-581-41	RES-CHIP	180K	2%	1/8W (DA7ES)	IC200	8-759-470-63	IC NJM2145M-	TE2 (DA4ES	S/DA7ES	)
R380	1-208-583-11	RES-CHIP	220K	2%	1/8W (DA7ES)			< JACK >			
R389	1-216-013-00		33		1/10W IES/DA7ES)	J203 J204 J205	1-563-330-11 1-563-330-11 1-563-330-11	JACK (MONITOF JACK (TV/SAT S JACK (DVD/LD C	TATÚŠ IN) ( DUT) (DA4E:	DA4ES/E S/DA7ES	DA7ES) 5)
R390	1-216-097-11		100K	,	1/10W IES/DA7ES)	J206	1-563-330-11	JACK (VIDEO 1 (	, ,	S/DA7ES	5)
R391	1-216-246-00		100K	,	1/8W IES/DA7ES)			< TRANSISTOR:			
R392	1-249-393-11	CARBON	10	5% (D <b>A</b> 4	1/4W IES/DA7ES)	Q200	8-729-027-43	TRANSISTOR [	TC114EKA		4ES/DA7ES)
R393	1-216-073-00	RES-CHIP	10K	5% (D <b>A</b> 4	1/10W IES/DA7ES)	Q201	8-729-027-23	TRANSISTOR [	)TA114EKA-	-	4ES/DA7ES)
R394	1-216-065-11	RES-CHIP	4.7K	5% (D <b>A</b> 4	1/10W IES/DA7ES)			< RESISTOR >			
R395	1-208-782-11	RES-CHIP	1K	2%	1/8W IES/DA7ES)	R208	1-216-049-11	RES-CHIP	1K	5% (D <b>A</b> 4	1/10W 4ES/DA7ES)
		< RELAY >		,	,	R209	1-216-049-11	RES-CHIP	1K	5%	1/10W 4ES/DA7ES
RY301	1-755-484-11	RELAY (DA4ES/DA	A7ES)			R210	1-216-049-11	RES-CHIP	1K	5% (DA4	1/10W ( 4ES/DA7ES)
*****		*******		******	******	R211	1-216-049-11	RES-CHIP	1K	5%	1/10W !ES/DA7ES
	1-685-491-11	LED BOARD *******					1-216-073-00		10K	5% (DA4	1/10W ( 1ES/DA7ES)
		< CAPACITOR >				******	******	******	*****	*****	*****
C118	1-165-319-11	CERAMIC CHIP	0.1 <b>u</b> F		50V			S-SPTM BOARD S-SPTM BOARD	, COMPLETI	E (VA333	,
		< CONNECTOR >						· CADACITOD ·			
* CN101	1-564-719-11	PIN, CONNECTOR	(SMAL	L TYPE) 3P		0.5.		< CAPACITOR >			
		< DIODE >				C613 C614 C615		CERAMIC CHIP CERAMIC CHIP MYLAR	470PF 470PF 0.01uF	5% 5% 5%	50V 50V 50V

A-4728-919-A	M-BUS BOARD, COMPLETE (DA4ES/DA7ES)	

10K

75

330

10K

(MULTI CHANNEL DECODING)

5%

5%

5%

5%

1/10W

1/10W

1/10W

1/10W

<	CAPAC	ITOR	>
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8-719-084-07 LED SEL5E20C-TP15

1-216-073-00 RES-CHIP

1-216-022-00 METAL CHIP

1-216-037-00 METAL CHIP

1-216-073-00 RES-CHIP

< RESISTOR >

C215	1-119-823-11	ELECT	4.7uF	20%	50V
				(DA4E	S/DA7ES)
C216	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
				(DA4E	S/DA7ES)
C232	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
				(DA4E	ES/DA7ES)
C235	1-164-690-11	CERAMIC CHIP	0.0022uF	5%	50V
				(DA4E	ES/DA7ES)

00.0		OLI II III II O OI III	17 01 1	0,0	OU V	
C614	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C615	1-137-150-11	MYLAR	0.01uF	5%	50V	
C665	1-137-150-11	MYLAR	0.01uF	5%	50V	
C713	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C714	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C715	1-137-150-11	MYLAR	0.01uF	5%	50V	
C765	1-137-150-11	MYLAR	0.01uF	5%	50V	
			0.0.0	0,0		
		< DIODE >				
		(DIODE)				
D608	8-719-988-61	DIODE 1SS355	ΓF-17			
D657	8-719-988-61	DIODE 1SS355				
D707	8-719-988-61	DIODE 1SS355	ΓE-17			

### 8-719-988-61 DIODE 1SS355TE-17

< COIL >

L601 1-422-009-13 COIL, AIR-CORE

D118

R114

R115

R116

R144

### STR-DA4ES/DA7ES/VA333ES

S-SPTM

S-VIDEO

Ref. No.	Part No.	Description			Remark	Ref.	No	Part No.	Description			Remark
L652	1-422-009-13				HOHIOK		229	1-119-824-11	ELECT	10uF	20%	50V
L701	1-422-009-13	COIL, AIR-CORE					230	1-165-319-11	CERAMIC CHIP	0.1uF	20 /0	50V 50V
L751		COIL, AIR-CORE					231	1-128-834-11		470uF	20%	10V
						1	234	1-164-161-11		0.0022uF	10%	100V
		< TRANSISTOR :	>			C	236	1-163-038-00	CERAMIC CHIP	0.1uF		25V
Q602	8-729-230-49	TRANSISTOR 2	SC2712-YG			l c	237	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
Q661		TRANSISTOR 2					239	1-165-319-11		0.1uF	1070	50V
Q707		TRANSISTOR 2				1			CERAMIC CHIP	0.0022uF	10%	100V
						I	242	1-164-161-11		0.0022uF	10%	100V
		< RESISTOR >				C	243	1-163-038-00	CERAMIC CHIP	0.1uF		25V
R616	1-249-393-11	CARBON	10	5%	1/4W	l c	244	1-119-824-11	ELECT	10uF	20%	50V
R618	1-216-073-00		10K	5%	1/10W	i	245	1-165-319-11		0.1uF		50V
R619	1-249-393-11		10	5%	1/4W							(AEP)
R631	1-249-389-11		4.7	5%	1/4W	C	246	1-128-840-11	ELECT	47uF	20%	16V
R666	1-249-393-11	CARBON	10	5%	1/4W	٠,	0.47	1 110 000 11	FLECT	0.0	000/	(AEP)
R670	1-249-389-11	CARRON	4.7	5%	1/4W	J 6	247	1-119-822-11	ELECT	3.3uF	20%	50V (AEP)
R682	1-216-073-00		10K	5%	1/10W	C	248	1-119-824-11	ELECT	10uF	20%	50V
R684	1-249-393-11	CARBON	10	5%	1/4W							•••
R716	1-249-393-11		10	5%	1/4W	ſ	249	1-163-243-11		47PF	5%	50V
R731	1-249-389-11	CARBON	4.7	5%	1/4W	C	251	1-119-822-11	ELECT	3.3uF	20%	50V
R732	1-216-073-00	DES-CHID	10K	5%	1/10W	۲,	252	1-119-824-11	ELECT	10uF	20%	(AEP) 50V
R734	1-249-393-11	CARBON	100	5%	1/10 <b>W</b>			1-165-319-11		0.1uF	2070	50V 50V
R766	1-249-393-11		10	5%	1/4W			1-119-824-11		10uF	20%	50V
R781	1-249-389-11		4.7	5%	1/4W							
							263	1-119-824-11	ELECT	10uF	20%	50V
		< RELAY >				C	264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
RY651	1-515-920-11	RELAV (24V)				C	265	1-163-001-00	CERAMIC CHIP	8PF	(EXI	CEPT AEP) 50V
RY652	1-515-920-11	, ,				"	200	1 100 051 00	OLITANIO OTIII	011	(EX	CEPT AEP)
RY702	1-515-920-11	` '				C	266	1-165-319-11	CERAMIC CHIP	0.1uF	(	50V
						C	267	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
		< TERMINAL >				0.0	000	4 400 007 44	OFD ANALO OLUD	1005	0.505	501/
TM701	1_604_025_11	TERMINAL BOAI	DD (QD) (CDI	EVEDO				1-163-227-11 1-165-319-11	CERAMIC CHIP	10PF 0.1uF	0.5PF	50V 50V
TIVITOT	1-034-333-11		D/SURR BAC		S/DA7FS)		270 270	1-128-840-11	ELECT	47uF	20%	16V
TM701	1-694-935-21	TERMINAL BOAI			20,27,1,20,				CERAMIC CHIP	100PF	5%	50V
			round/suri			C	272	1-119-824-11	ELECT	10uF	20%	50V
*******	*****	******	*******	******	*****		074	4 440 004 44	EL FOT	40.5	000/	=0.4
	A_4729_002_A	S-VIDEO BOARD	COMPLETE	(AED)				1-119-824-11	CERAMIC CHIP	10uF 0.1uF	20%	50V 50V
		S-VIDEO BOARD			/DA7ES)			1-128-840-11		47uF	20%	16V
		S-VIDEO BOARD						1-126-935-11		470uF	20%	10V
		*****	*****	*							(EXC	CEPT AEP)
						C	301	1-126-965-11	ELECT	22uF	20%	50V
		< CAPACITOR >									(EXC	CEPT AEP)
C128	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C	302	1-126-964-11	ELECT	10uF	20%	50V
C217	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V							CEPT AEP)
C218		CERAMIC CHIP	0.1uF		50V	C	303	1-126-964-11	ELECT	10uF	20%	50V
C219	1-119-824-11		10uF	20%	50V				055.4440.0145			EPT AEP)
C220	1-165-319-11	CERAMIC CHIP	0.1uF		50V	l		1-163-243-11 1-163-243-11		47PF	5%	50V
C221	1-119-824-11	FLECT	10uF	20%	50V	Ł			CERAMIC CHIP	47PF 0.1uF	5%	50V 50V
G222		CERAMIC CHIP	47PF	5%	50V	0	2007	1 103 513 11	OLIMANIO OIII	0.101		J0 V
C223		CERAMIC CHIP	47PF	5%	50V	C	2006	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C224	1-165-319-11	CERAMIC CHIP	0.1uF		50V	C	2008	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C225	1-119-824-11	ELECT	10uF	20%	50V			1-165-319-11		0.1uF		50V
conc	1 100 040 11	CEDAMIC CLUB	47DF	E0/	EOV.			1-165-319-11		0.1uF		50V
C226 C227		CERAMIC CHIP	47PF 47PF	5% 5%	50V 50V	"	2013	1-165-319-11	CENAIVIIC CHIP	0.1uF		50V
C228		CERAMIC CHIP	0.1uF	U /U	50V				< CONNECTOR >			
	· · ·	******										
									CONNECTOR, BOA		RD 5P (	AEP)
									CONNECTOR, FFC		DE) 6D	
						ı " Ul	NF2U4	1-004-708-11	PIN, CONNECTOR	(SIVIALL IY	rc) 0P	

#### STR-DA4ES/DA7ES/VA333ES

## S-VIDEO

Ref. No.	Part No.	Description	Romark	l Ref No	Part No	Description			Domark
	1-766-600-21	CONNECTOR, BOARD TO BOARD 7P	<u>Remark</u>	<u>Ref. No.</u> L201	Part No.	Description	(CAAD) (AED)		<u>Remark</u>
UNFZZU	1-700-000-21		CEPT AEP)	L201	1-216-296-11	FERRITE, EMI SHORT CHIP	(SMD) (AEP) 0	(EX	(CEPT AEP)
		CONNECTOR, FFC 13P		L202		FERRITE, EMI		(5)	OEDT 150
UNS203	1-568-826-11	CONNECTOR, FFC 7P (DA4ES/DA7ES)		L203 L203	1-216-296-11 1-500-425-11	FERRITE, EMI	0 (SMD) (AFP)	(EX	(CEPT AEP)
		< TRIMMER >					(OMB) (AEI)		
CT203	1-141-442-91	CAP, CERAMIC TRIMMER 20PF (EXCE	DT AED)	L204 L204	1-216-296-11	SHORT CHIP FERRITE, EMI	(CMD) (AED)	(EX	CEPT AEP)
CT204	1-141-442-91	CAP, CERAMIC TRIMMER 20PF (EXCE	FTACT)	L204 L205	1-408-781-00		(3MD) (AEP) 22uH		
		DIODE				70.440.070			
		< DIODE >				< TRANSISTOR	₹>		
D201	8-719-801-78	DIODE 1SS184		Q202	8-729-230-49	TRANSISTOR	2SC2712-YG		
D206	8-719-988-61	DIODE 1SS355TE-17		Q203		TRANSISTOR			.==:
D220	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT AEP)		Q221 Q222		TRANSISTOR TRANSISTOR			
		< FERRITE BEAD >		Q223		TRANSISTOR			
FB202	1 400 150 11	FEDDITE EMI (CMAD) (AED)		0004	0 700 016 00	TDANICICTOD	0044400 0 /	CVOCDT	ACD)
FBZUZ	1-409-102-11	FERRITE, EMI (SMD) (AEP)		Q224 Q225		TRANSISTOR TRANSISTOR			
		< IC >			0 1 2 0 2 0 1 0			(27,027)	,,,,
10000	0 750 500 04	IC NJM-2296M-TE2				< RESISTOR >			
IC202 IC203	8-759-536-24 6-700-050-01			R212	1-216-022-00	METAL CHIP	75	5%	1/10W
IC204		IC LA7213 (AEP)		R213	1-216-022-00		75 75	5%	1/10W
IC205	8-759-822-05	IC LA7213 (AEP)		R214	1-216-022-00		75	5%	1/10W
IC209	6-700-367-01	IC MB90089PF-G-238-BND		R215	1-216-022-00		75	5%	1/10W
				R216	1-216-022-00	METAL CHIP	75	5%	1/10W
IC210	8-759-682-76	IC BA7622F-E2-A							
		IAOK		R217	1-216-022-00		75	5%	1/10W
		< JACK >		R218	1-216-022-00		75	5%	1/10W
J207	1 500 000 11	LACK (CTDL A4 II)		R219 R220	1-216-022-00		75 75	5%	1/10W
3207	1-563-330-11	JACK (CTRL A1 II)		R220 R221	1-216-022-00 1-216-022-00		75 75	5% 5%	1/10W 1/10W
		< CONNECTOR >		NZZI	1-210-022-00	METAL OTH	75	376	17 T O VV
		Commediate		R222	1-216-022-00	METAL CHIP	75	5%	1/10W
J208	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO	1)	R223	1-216-022-00		75	5%	1/10W
J209	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 2	2)	R224	1-216-022-00	METAL CHIP	75	5%	1/10W
J210	1-779-801-11	CONNECTOR (ROUND TYPE) (TV/SAT,	DVD/LD)	R225	1-216-022-00		75	5%	1/10W
		O TERMINAL		R226	1-216-097-11	RES-CHIP	100K	5%	1/10W
		< S TERMINAL >		D007	1 010 007 11	DEC CIUD	4001/	F0/	4 /4 004/
J211	1 770 000 11	TERMINAL, S (MONITOR)		R227 R228	1-216-097-11 1-216-097-11		100K 100K	5% 5%	1/10W
UZII	1-119-000-11	TERIVITIVAL, 3 (MONTOR)		R229	1-216-097-11		100K	5% 5%	1/10W 1/10W
		< JUMPER RESISTOR >		R230	1-216-097-11		100K	5%	1/10W
		TOWN EN NESISTOTO		R231	1-216-001-00		10	5%	1/10W
JR200	1-216-296-11	SHORT CHIP 0			. =		. •	• / 0	.,
JR203	1-216-296-11	SHORT CHIP 0		R232	1-216-001-00	METAL CHIP	10	5%	1/10W
JR204	1-216-296-11	SHORT CHIP 0		R233	1-216-001-00		10	5%	1/10W
JR205	1-216-296-11	SHORT CHIP 0		R235	1-216-105-11	RES-CHIP	220K	5%	1/10W
JR206	1-216-296-11	SHORT CHIP 0		R236	1 216 105 11	DEC CHID	2001	E0/	(AEP)
JR207	1-216-296-11	SHORT CHIP 0		H230	1-216-105-11	RES-CHIP	220K	5%	1/10W (AEP)
JR208	1-216-296-11	SHORT CHIP 0		R237	1-216-037-00	METAL CHIP	330	5%	1/10W
JR209	1-216-296-11	SHORT CHIP 0		11201	1 210 007 00	WIE I'VE OUT	000	5 70	(AEP)
JR210	1-216-296-11	SHORT CHIP 0							(· ·=- /
JR211	1-216-296-11	SHORT CHIP 0		R238	1-216-037-00	METAL CHIP	330	5%	1/10W
JR212	1 010 000 11	SHORT CHIP O		naaa	1 010 007 11	DEC CUID	1001/	<b>5</b> 0/	(AEP)
011212	1-216-296-11	SHORT CHIP 0		R239 R245	1-216-097-11 1-216-063-11		100K	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
		< JUMPER RESISTOR >		R245 R246		RES-CHIP	3.9K 47K	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
		. John En neolo for /		R247	1-216-089-11		47K 47K	5% 5%	1/10 <b>W</b>
JW1	1-216-295-11	SHORT CHIP 0 (	(VA333ES)		0 000 11			- / <b>v</b>	.,
JW2	1-216-295-11		VA333ES)	R248	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
JW3	1-216-295-11	SHORT CHIP 0	(US,CND)	R249	1-216-089-11	RES-CHIP	47K	5%	1/10W
				R250		RES-CHIP	47K	5%	1/10 <b>W</b>
		< COIL >		R251	1-216-035-00	METAL CHIP	270	5%	1/10W
L201	1 016 006 11	CHORT CHIR A (FV)	PEDT AED	DOEO	1 016 005 11	DEC CLUD	4 717		CEPT AEP
	1-216-296-11	SHORT CHIP 0 (EXC	CEPT AEP)	R252	1-216-065-11	RES-CHIP	4.7K	5%	1/10 <b>W</b>

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#### STR-DA4ES/DA7ES/VA333ES

S-VIDEO UP CONVERT

R254 1-216-097-11 RES-CHIP 100K 5% 1/10W C3106 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) R255 1-216-049-11 RES-CHIP 1K 5% 1/10W C3107 1-163-021-11 CERAMIC CHIP 0.01uF 10% 50V (DA4ES/DA7ES) R278 1-216-022-00 METAL CHIP 75 5% 1/10W C3107 1-163-021-11 CERAMIC CHIP 0.01uF 10% 50V (DA4ES/DA7ES) R290 1-216-097-11 RES-CHIP 100K 5% 1/10W C3108 1-126-959-11 ELECT 0.47uF 20% 50V (DA4ES/DA7ES) R296 1-216-295-11 SHORT CHIP 0 C3109 1-163-021-11 CERAMIC CHIP 0.01uF 10% 50V (DA4ES/DA7ES) R297 1-216-295-11 SHORT CHIP 0 C3109 1-163-021-11 CERAMIC CHIP 0.01uF 10% 50V (DA4ES/DA7ES) R298 1-216-295-11 SHORT CHIP 0 C3110 1-163-021-11 CERAMIC CHIP 0.01uF 10% 50V	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark
R278	R254	1-216-097-11	RES-CHIP			1/10W				0.1uF	
1-216-022-00   METAL CHIP   75   55   1/10W   C3108   1-126-99-91   ELECT   0.474   C3708   50V   C0.04ESDATS)   C3709   1-126-299-11   ELECT   0.474   C3709   C370							C3107	1-163-021-11	CERAMIC CHIP	0.01uF	,
Color   Colo	R279						C3108	1-126-959-11	ELECT	0.47uF	(DA4ES/DA7ES) 20% 50V
R289   1-216-295-11   SHORT CHIP   0							03109			0.01uF	(DA4ES/DA7ES)
R2220	R297	1-216-295-11	SHORT CHIP	0							(DA4ES/DA7ES)
Common   C							C3110	1-163-021-11	CERAMIC CHIP	0.01 <b>u</b> F	10% 50V (DA4ES/DA7ES)
R2221   1-216-073-00   RES-CHIP   10K   5%   1/10W (EXCEPT AEP)   1/10	R2220	1-249-393-11	CARBON	10	5%		C3111	1-163-021-11	CERAMIC CHIP	0.01uF	
R2222   1-216-057-00   METAL CHIP   2.2K   5%   1/10W   (EXCEPT AEP)   (2314   1-163-021-11   CERAMIC CHIP   0.01uf   10%   50V   (DARESIDATES)   (DARESIDAT	R2221	1-216-073-00	RES-CHIP	10K			C3112	1-163-257-11	CERAMIC CHIP	180PF	5% 50V
R2224   1-216-053-00   METAL CHIP   2.2K   5%   1/10W   (EXCEPT AEP)   1.216-073-00   RES-CHIP   10K   5%   1/10W   (EXCEPT AEP)   1.216-049-11   RES-CHIP   10K   5%   1/10W   (EXCEPT AEP)   1.216-049-11   RES-CHIP   10K   5%   1/10W   (EXCEPT AEP)   1.216-033-00   METAL CHIP   2.20   5%   50W   (DAES/DATES)   1.216-033-00   METAL CHIP   2.20   5%   50W   (EXCEPT AEP)   1.216-033-10   METAL CHIP   2.20   5%   50W   (EXCEPT AEP)   1.216-033-10   METAL CHIP   2.20   5%   50W   (EXCEPT AEP)   1.216-033-10   METAL CHIP   2.20   1.216-033-11   METAL CHIP   2.20   1.20	R2222	1-216-057-00	METAL CHIP	2.2K	5% `	1/10W	C3113	1-163-021-11	CERAMIC CHIP	0.01 <b>u</b> F	10% 50V
R2225   1-216-03-00   METAL CHIP   1.5K   5%   1/10W   (EXCEPT AEP)   (EXCEPT A	R2224	1-216-057-00	METAL CHIP	2.2K	5% `	1/10W	C3114	1-163-021-11	CERAMIC CHIP	0.01uF	10 <sup>°</sup> % 50V
R2226   1-216-073-00   RES-CHIP   10K   5%   1/10W   (EXCEPT AEP)   (EXCEPT AEP	R2225	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	C3115	1-163-021-11	CERAMIC CHIP	0.0 <b>1</b> uF	10% 50V
R2227   1-216-073-00   RES-CHIP   10K   5%   1/10W   EXCEPT AEP   1/10	R2226	1-216-073-00	RES-CHIP	10K			C3116	1-165-319-11	CERAMIC CHIP	0 1uE	•
R2228   1-216-049-11   RES-CHIP   1K   5%   1/10W   (EXCEPT AEP)	D0007	1 010 070 00	DEC CIUD	101/	`	,					(DA4ES/DA7ES)
R2229   1-216-049-11   RES-CHIP					(EX	(CEPT AEP)					(DA4ES/DA7ES)
R2230   1-216-033-00   METAL CHIP   220   5%   1/10W   (EXCEPT AEP)   C3120   1-126-947-11   ELECT   47uF   20%   10V   (DAMES/DA7ES)   10W   (EXCEPT AEP)   C3121   1-165-319-11   CERAMIC CHIP   0.0   CEXCEPT AEP)   C3122   1-163-235-11   CERAMIC CHIP   0.0   CEXCEPT AEP)   C3123   1-104-665-11   ELECT   100uF   50V   (DAMES/DA7ES)   10W   CAMES/DA7ES)   C3124   1-163-235-11   CERAMIC CHIP   0.0   CAMES/DA7ES   C3124   1-163-235-11   CERAMIC CHIP   0.0   CAMES/DA7ES   C3125   1-163-229-11   CERAMIC CHIP   12PF   5% 50V   CAMES/DA7ES   C3126   1-130-495-00   MYLAR   0.1uF   5% 50V   CAMES/DA7ES   C3126   1-130-495-00   MYLAR   0.1uF   5% 50V   CAMES/DA7ES   C3126   1-130-495-01   CERAMIC CHIP   0.0	R2228	1-216-049-11	RES-CHIP	1K			C3118			22PF	
R2230	R2229	1-216-049-11	RES-CHIP	1K			C3119	1-163-229-11	CERAMIC CHIP	12PF	
R2232   1-216-295-11   SHORT CHIP   0   (EXCEPT AEP)   C3121   1-165-319-11   CERAMIC CHIP   0.1uF   D04ES/DA7ES)	R2230	1-216-033-00	METAL CHIP	220	5%	1/10W	C3120	1-126-947-11	ELECT	47uF	
R2232   1-216-295-11   SHORT CHIP   O   (EXCEPT AEP)   C3123   1-104-665-11   ELECT   100uf   (DA4ES/DA7ES)	R2231	1-216-053-00	METAL CHIP	1.5K			C3121	1-165-319-11	CERAMIC CHIP	0.1uF	
RY220   1-515-622-11   RELAY (EXCEPT AEP)   C3124   1-163-229-11   CERAMIC CHIP   12PF   5%   50V (DAES/DA7ES)	R2232	1-216-295-11	SHORT CHIP	0	(EX	(CEPT AEP)	C3123	1-104-665-11	ELECT	100uF	20% 10V
RY220			< RELAY >				C3124	1-163-235-11	CERAMIC CHIP	22PF	5% 50V
TP201   1-784-921-11   PIN, CONNECTOR 4P   C3127   1-163-245-11   CERAMIC CHIP   56P   5% 50V (DATES/DATES)	RY220	1-515-622-11	RELAY (EXCEPT	AEP)			C3125	1-163-229-11	CERAMIC CHIP	12PF	5% 50V
TP201 1-784-921-11 PIN, CONNECTOR 4P			< CONNECTOR >				C3126	1-130-495-00	MYLAR	0.1uF	5% 50V
C3128   1-126-961-11   ELECT   2.2uF   20%   50V   (DAFES/DA7ES)	TP201	1-784-921-11	PIN, CONNECTOR	R 4P							
X202   1-781-821-21   VIBRATOR, CRYSTAL (14.3MHz) (EXCEPT AEP)   X202   X203   X203   X204   X205			< VIBRATOR >				C3127	1-163-245-11	CERAMIC CHIP	56PF	
**************************************	X202	1-781-821-21	VIRRATOR CRYS	STAL (14 3M	/Hz) (FX)	CEPT AFP)	C3128	1-126-961-11	ELECT	2.2uF	* *
CDATES/DA7ES    CONTINUE CON				•	, .		C3129	1-163-021-11	CERAMIC CHIP	0.01uF	10% 50V
**************************************		A-4728-955-A	UP CONVERT BO	ARD, COMF		ES/DA7ES)	C3130	1-126-963-11	ELECT	4.7uF	
C3100 1-163-235-11 CERAMIC CHIP 22PF 5% 50V (DA4ES/DA7ES) C3101 1-163-229-11 CERAMIC CHIP 12PF 5% 50V (DA4ES/DA7ES) C3102 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3103 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) C3104 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3105 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES) C3105 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES) C3107 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) C3108 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) C3109 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES) C3100 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES)			******	******	`	.20, 27, 11, 20,	C3131	1-163-021-11	CERAMIC CHIP	0.01uF	10% 50V
C3100 1-163-235-11 CERAMIC CHIP 22PF 5% 50V (DA4ES/DA7ES) C3101 1-163-229-11 CERAMIC CHIP 12PF 5% 50V (DA4ES/DA7ES) C3102 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3103 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) C3104 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3105 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES)  C3105 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES)			< CAPACITOR >				00400	1 100 101 00	OED ANNIO OLUD	00005	
C3101 1-163-229-11 CERAMIC CHIP 12PF 5% 50V (DA4ES/DA7ES) (D3102 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) (D3103 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) (D3104 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) (D3104 1-126-947-11 ELECT 47uF 20% 10V (D34ES/DA7ES) (D3105 1-104-665-11 ELECT 100uF 20% 10V (D34ES/DA7ES) (D3107 1-165-319-11 CERAMIC CHIP 0.1uF 50V (D3107 1-165-319-11 CERAMIC CHIP 0.1uF 50	C3100	1-163-235-11	CERAMIC CHIP	22PF						390PF	(DALES/DA7ES)
C3102 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3103 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES) C3104 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES) C3105 1-104-665-11 ELECT 100uF 20% 10V C3105 1-104-665-11 ELECT 100uF 20% 10V	C3101	1-163-229-11	CERAMIC CHIP	12PF		-	C3133	1-163-135-00	CERAMIC CHIP	560PF	
C3103   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3135   1-163-231-11   CERAMIC CHIP   15PF   5% 50V   (DA4ES/DA7ES)   C3104   1-126-947-11   ELECT   47 uF   20% 10V   (DA4ES/DA7ES)   C3136   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3137   1-165-319-11   CERAMIC CHIP   0.1 uF   50V   (DA4ES/DA7ES)   C3105   1-104-665-11   ELECT   100 uF   20% 10V   (DA4ES/DA7ES)   C3105   1-165-319-11   CERAMIC CHIP   15PF   5% 50V   (DA4ES/DA7ES)   (DA4ES/DA7ES)   C3105   1-165-319-11   CERAMIC CHIP   15PF   5% 50V   (DA4ES/DA7ES)   (DA4ES/DA7ES)   (DA4ES/DA7ES)   C3105   1-165-319-11   CERAMIC CHIP   15PF   5% 50V   (DA4ES/DA7ES)	C3102	1-126-947-11	ELECT	47uF	•	,	C3134	1-126-960-11	ELECT	1uF	
(DA4ES/DA7ES) C3136 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA4ES/DA7ES)  C3104 1-126-947-11 ELECT 47uF 20% 10V (DA4ES/DA7ES)  C3105 1-104-665-11 ELECT 100uF 20% 10V (DA4ES/DA7ES)					(DA4	ES/DA7ES)	C3135	1-163-231-11	CERAMIC CHIP	15PF	5% 50V
(DA4ES/DA7ES) C3137 1-165-319-11 CERAMIC CHIP 0.1uF 50V (DA ES/DA7ES)					•	ES/DA7ES)	C3136	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3105 1-104-665-11 ELECT 100uF 20% 10V (DAFES/DA7ES)	C3104	1-126-94/-11	ELECT	4/uF							,
, , , ,	C3105	1-104-665-11	ELECT	100uF				1-165-319-11	CERAMIC CHIP	0.1uF	

### STR-DA4ES/DA7ES/VA333ES

### UP CONVERT

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C3138	1-126-947-11	ELECT	47uF	20% (D <b>A</b> 4l	10V ES/DA7ES)	R3107	1-216-075-00	METAL CHIP	12K	5% (DA4E	1/10W S/DA7ES)
		< CONNECTOR	<b>?</b> >			R3108	1-216-043-11	RES-CHIP	560	5% (D <b>A4</b> E	1/10W S/DA7ES)
CN3101	1-766-724-11	CONNECTOR.	BOARD TO BO	DARD 7P		R3110	1-216-047-11	RES-CHIP	820	5% (DA4E	1/10W S/DA7ES)
		,			ES/DA7ES)	R3111	1-216-047-11	RES-CHIP	820	5%	1/10W S/DA7ES)
		< FERRITE BEA	AD >			R3112	1-216-043-11	RES-CHIP	560	5%	1/10W S/DA7ES)
	1-469-152-11 1-469-152-11					R3113	1 016 051 00	METAL CLUD	1 01/	•	·
	1-469-152-11						1-216-051-00		1.2K		1/10W S/DA7ES)
		< IC >				R3114	1-216-069-00		6.8K		1/10W S/DA7ES)
IC3100	8-759-678-99	IC TC90A45F	,	,		R3115	1-216-043-11		560	,	1/10 <b>W</b> S/DA7ES)
IC3101	8-759-826-19	IC MM1093N	F (DA4ES/DA7	7ES)		R3116	1-216-051-00	METAL CHIP	1.2K	5% (DA4E)	1/10W S/DA7ES)
		< JUMPER RE	SISTOR >			R3117	1-216-047-11	RES-CHIP	820	5% (DA4E)	1/10W S/DA7ES)
	1-216-295-11 1-216-295-11	SHORT CHIP	0 0	١.	ES/DA7ES) ES/DA7ES)	R3118	1-216-025-11	RES-CHIP	100	5%	1/10W
JW3123	1-216-295-11	SHORT CHIP	0	(DA4E	es/da7es)	R3120	1-216-075-00	METAL CHIP	12K	(DA4E	S/DA7ES) 1/10W
		< COIL >				R3121	1-216-043-11		560		S/DA7ES) 1/10W
L3100 L3101	1-412-064-11 1-412-011-31	INDUCTOR INDUCTOR		A4ES/DA7		R3122	1-260-354-71		150	(DA4ES	S/DA7ES) 1/2W
L3102 L3103	1-412-064-11 1-412-011-31	INDUCTOR	100uH (D	)A4ES/DA7    4ES/DA7	7EŚ)	R3123	1-216-047-11		820	(DA4ES	S/DA7ES)
L3104		INDUCTOR	•	4ES/DA71	,	naiza	1-210-047-11	NEO-UNIP	020		1/10W S/DA7ES)
L3105	1-414-194-11	INDUCTOR	33uH (DA	44ES/DA7I	ES)	R3124	1-216-043-11	RES-CHIP	560		1/10W
		< TRANSISTO	R >			R3125	1-216-051-00	METAL CHIP	1.2K	5%	S/DA7ES) 1/10W
Q3100	8-729-230-49	TRANSISTOR				R3126	1-216-069-00	METAL CHIP	6.8K	5%	S/DA7ES) 1/10W
Q3101 Q3102	8-729-216-22	TRANSISTOR TRANSISTOR	2SA1162-G (	(DA4ES/D	A7ES)	R3127	1-216-043-11	RES-CHIP	560		S/DA7ES) 1/10W
Q3103 Q3104		TRANSISTOR TRANSISTOR				R3128	1-216-051-00	METAL CHIP	1.2K		S/DA7ES) 1/10W
Q3105	8-729-230-49	TRANSISTOR	2SC2712-YG	i (DA4ES/I	DA7ES)					(DA4ES	S/DA7ES)
Q3106 Q3107		TRANSISTOR TRANSISTOR				R3129	1-216-047-11	RES-CHIP	820		1/10W S/DA7ES)
Q3108 Q3109	8-729-230-49	TRANSISTOR TRANSISTOR	2SC2712-YG	(DA4ES/I	DA7ES)	R3130	1-216-025-11	RES-CHIP	100	5%	1/10W S/DA7ES)
Q3110		TRANSISTOR		,	,	R3131	1-216-039-00	METAL CHIP	390	5%	1/10W S/DA7ES)
Q3111 Q3112	8-729-216-22	TRANSISTOR TRANSISTOR	2SA1162-G (	(DA4ES/D	A7ES)	R3132	1-216-075-00	METAL CHIP	12K	5%	1/10W
QUITZ	0-729-210-22		· ·	(DA4E3/D/	M/E3)	R3133	1-216-043-11	RES-CHIP	560	5%	3/DA7ES) 1/10W
D2101	1 010 051 00	< RESISTOR >		F0/	4 (4 0) 4 (	B0404	1 000 051 71	040004	.=0		S/DA7ES)
R3101	1-216-051-00	METAL CHIP	1.2K	•	1/10W ES/DA7ES)	R3134	1-260-354-71		150	(DA4ES	1/2 <b>W</b> S/D <b>A</b> 7ES)
R3102	1-216-069-00		6.8K	5% (DA4E	1/10W ES/DA7ES)	R3136	1-216-073-00	RES-CHIP	10K		1/10 <b>W</b> S/D <b>A</b> 7ES)
R3103	1-216-043-11	RES-CHIP	560	5% (DA4E	1/10W ES/DA7ES)	R3137	1-216-073-00	RES-CHIP	10K		1/10W 3/DA7ES)
R3104	1-216-051-00	METAL CHIP	1.2K	5% (DA4E	1/10W <sup>*</sup> ES/DA7ES)	R3138	1-216-067-00	METAL CHIP	5.6K	5%	1/10W (/DA7ES)
R3105	1-216-047-11	RES-CHIP	820	5%	1/10W ES/DA7ES)	R3139	1-216-077-11	RES-CHIP	15K	5%	1/10W 5/DA7ES)
R3106	1-216-047-11	RES-CHIP	820	5%	1/10W	R3140	1-216-121-11	RES-CHIP	1M	,	1/10W
					ES/DA7ES)		. 2.0 (2) (1				/DA7ES)

UP CONVERT VIDEO3

VOLUME

					<u> </u>				
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
R3141	1-216-039-00	METAL CHIP	390	5% (D <b>A</b> 4E	1/10W ES/DA7ES)		1-685-494-11	4/8 BOARD *******	
R3142	1-216-022-00	METAL CHIP	75	5% (DA4F	1/10W ES/DA7ES)			< CONNECTOR >	
R3143	1-216-022-00	METAL CHIP	75	5%	1/10W ES/DA7ES)	* CNP903	1-564-607-11	PIN, CONNECTOR (3.96mm	PITCH) 6P
R3144	1-216-049-11	RES-CHIP	1K	5% (DA4F	1/10W S/DA7ES)			< SWITCH >	
R3145	1-216-045-00	METAL CHIP	680	5%	1/10W ES/DA7ES)	S902	1-771-876-11	SWITCH, POWER (IMPEDAN	ICE SELECTOR)
22112		*******	070	•	•	*****	******	*******	*****
R3146	1-216-035-00	METAL CHIP	270	5% (D <b>A</b> 4E	1/10W ES/DA7ES)			MISCELLANEOUS *******	
		< VIBRATOR >				115	1_772_162_11	WIRE (FLAT TYPE) (21 CORI	=1
X3100	1-781-342-21	OSCILLATOR, CRY	YSTAL (3.5			116	1-773-021-11	WIRE (FLAT TYPE) (15 CORI	É)
*****	*****	********	******	•	ES/DA7ES) *******	157 △160		WIRE (FLAT TYPE) (15 CORI CORD. POWER (KR)	=)
*********	1-685-490-11	VIDEO3 BOARD				162		WIRE (FLAT TYPE) (15 CORI	≣)
	1 000 400 11	******				164		WIRE (FLAT TYPE) (13 CORI	
		< CAPACITOR >				166 167		WIRE (FLAT TYPE) (13 CORI WIRE (FLAT TYPE) (13 CORI	
0440	4 400 000 44	CEDANAIC CIUD	0.004	100/	EOV	169 201		WIRE (FLAT TYPE) (7 CORE) WIRE (FLAT TYPE) (13 CORE)	
C113 C114	1-163-009-11 1-163-009-11	CERAMIC CHIP CERAMIC CHIP	0.001uF 0.001uF	10% 10%	50V 50V	201	1-709-971-11	WINE (FLAT TIPE) (13 CONT	-)
C115 C117		CERAMIC CHIP CERAMIC CHIP	0.001uF 0.1uF	10%	50V 50V	256 <u>↑</u> F801		CORE, FERRITE (RFC-8 BK) FUSE, GLASS CYLINDRICAL	
		< CONNECTOR >				F802	1-533-312-11	FUSE, GLASS CYLINDRICAL	(10A/125V) (DIA.5) (10A/125V)
* CNP107	1-564-711-11	PIN, CONNECTOR	(SMALL T	YPE) 9P		Δ F805 Δ F805	1-532-464-51 1-533-419-11	FUSE, TIME-LAG (T2.5AL/25 FUSE, GLASS CYLINDRICAL	0V) (VA333ES)
		< JACK >						(4A/12	5V) (DA4ES/DA7ES)
J102	1-764-190-21	JACK, PIN 3P (VIE	DEO 3 INPL	JT)		<b> ∆</b> F806		FUSE, TIME-LAG (T2.5AL/25	
		< JUMPER RESIS	TOR >			<b> ▲ F806</b>	1-533-419-11	FUSE, GLASS CYLINDRICAL (4A/12)	(DIA.5) 5V) (DA4ES/DA7ES)
JR101	1-216-295-11	SHORT CHIP	0			<b> △</b> F901 <b>△</b> F901		FUSE, TIME-LAG (T6.3AL/25 FUSE, GLASS CYLINDRICAL	
ditto	1210 230 11	< RESISTOR >				<b>△</b> F902		•	250V) (ÚS,CND,TW)
D. 4.00	1 010 000 00		75	E0/	4 /4 0\4/			•	
R168 R169	1-216-022-00	METAL CHIP METAL CHIP	75 75	5% 5%	1/10W 1/10W	IC502 IC503	8-749-014-72 8-749-014-73		
R170	1-216-022-00		75	5%	1/10W	IC552	8-749-014-72		
R171	1-216-049-11		1K	5%	1/10W	IC553	8-749-014-73		
R172	1-216-049-11	RES-CHIP	1K	5%	1/10W	IC602	8-749-014-72	IC SAP15N	
R173	1-216-097-11		100K	5%	1/10W	IC603	8-749-014-73		
R174	1-216-097-11	KES-UHIP *******	100K	5% ******	1/10W	10652	8-749-014-72		
******	******	******	*****	*****	****	IC653 IC654	8-749-014-73 8-749-014-72		
	1-685-489-11	VOLUME BOARD	ı			1C655	8-749-014-73		
		< CONNECTOR >				IC702 IC703	8-749-014-72 8-749-014-73	IC SAP15P	
CNP105	1-779-978-11	PIN, CONNECTOR	R 3P			IC752 IC753	8-749-014-72 8-749-014-73		
- · · · · ·		,				<b></b> ∆T901		TRANSFORMER, POWER (US	S)
		< ROTARY ENCO	JEM >			<b>1 1 1 1 1 1 1 1 1 1</b>	1-437-271-11	TRANSFORMER, POWER (DA	A4ES:CND)
		ENCODER, ROTAL				<b>△</b> T901	1-437-272-11	TRANSFORMER, POWER (TV	N)
******	******	******	*****	*****	*****	<b> ∆</b> T901		TRANSFORMER, POWER (AI	
						<b>1 ∆</b> T901		TRANSFORMER, POWER (DA	
						TU301	1-693-539-21	TUNER PACK (FM/AM) (DA4	E9/DA/E9)

The components identified by mark ∆ or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

#### STR-DA4ES/DA7ES/VA333ES

Ref. No. TU301		Description Remark TUNER PACK (FM/AM) (VA333ES)	Ref. No.	Part No. 4-241-676-31 4-241-679-11	<u>Description</u> <u>Remark</u> MANUAL, INSTRUCTION (RUSSIAN) (AEP)  MANUAL, INSTRUCTION (GREEK) (AEP)
***************************************		ACCESSORIES		4-241-679-21	MANUAL, INSTRUCTION (GREEK) (AEP)  MANUAL, INSTRUCTION (HUNGARIAN, CZECH)  (AEP)
	4 470 054 40	**************************************		4-241-679-31 4-241-679-41	
Δ		ADAPTOR, AC (AC-96NP) (for RM-TP1) (DA7ES) COMMANDER, STANDARD (RM-US105A)	)	4-241-687-11 4-241-687-21	. , , , ,
	1-477-333-11	(DA7ES) REMOTE COMMANDER (RM-LP211)	)	4-241-687-31	(AEP) MANUAL, INSTRUCTION (TURKISH) (AEP)
	1-477-431-11	(DA4ES/VA333ES) COMMANDER, STANDARD (RM-TP1) (DA7ES) ANTENNA, LOOP (AM)	)	4-241-687-41	, , , ,
<b>^</b> \ <b>^</b>	1-551-631-22 1-757-130-11 1-777-172-11	ANTENNA (FM) (AEP,TW) CORD, POWER (AEP) CORD, POWER (TW) CORD, CONNECTION (CONTROL S) (DA4ES/DA7ES) CORD, CONNECTION (AUDIO/VIDEO/CONTROL S)			
	1-793-184-21	(DA4ES/DA7ES) CONNECTOR (F TYPE ADAPTOR) (FM ANTENNA			
$\Phi$	1-816-267-11 1-823-512-11	(DA4ES/DA7ES/VA333ES:KR) CHARGER, BATTERY (for RM-TP1) (DA7ES) CORD, POWER (DA4ES/DA7ES) COVER, DUSTER COVER, BATTERY (for RM-US105A) (DA7ES)			
	4-239-573-01 4-241-478-01	COVER, BATTERY (for RM-TP1) (DA7ES) COVER, BATTERY (for RM-LP211)			
	4-241-666-11	(DA4ES/VA333ES) MANUAL, INSTRUCTION (ENGLISH) (DA4ES/DA7ES)			
	4-241 <b>-</b> 666-21 4-241 <b>-</b> 667-11	MANUAL, INSTRUCTION (FRENCH) (CND) MANUAL, INSTRUCTION (ENGLISH) (AEP,TW)			
	4-241-667-21	MANUAL, INSTRUCTION (FRENCH, SPANISH, GERMAN, DUTCH) (AEP)	1 :		
	4-241-667-31	MANUAL, INSTRUCTION (SWEDISH, ITALIAN, PORTUGUESE) (AEP)			
	4-241-667-41	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (TW)			
	4-241-667-51 4-241-668-11	MANUAL, INSTRUCTION (KOREAN) (KR) MANUAL, INSTRUCTION (PORTUGUESE) (AEP)			
	4-241-668-21	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP)			•
	4-241-668-31 4-241-675-11	MANUAL, INSTRUCTION (RUSSIAN) (AEP) MANUAL, INSTRUCTION (ENGLISH) (DA4ES/ VA333ES:AEP,TW)			
	4-241-675-21	MANUAL, INSTRUCTION (FRENCH) (DA4ES:CND/VA333ES:AEP)			
	4-241-675-31	MANUAL, INSTRUCTION (SPANISH) (AEP)			
	4-241-675-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH) (AEP)			
	4-241-675-51	MANUAL, INSTRUCTION (ITALIAN, PORTUGUESE) (AEP)			
	4-241-675-61	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (TW)	1		
	4-241-675-71 4-241-676-11	MANUAL, INSTRUCTION (KOREAN) (KR) MANUAL, INSTRUCTION (PORTUGUESE) (AEP)			
	4-241-676-21	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP)			

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  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 piéce portant le numéro spécifié.