

MHC-GPX3

MANUAL DE SERVIÇO

E Model

Ver. 1.0 2012.04

- MHC-GPX3 are composed of the following models.
As service manuals are issued for each component model, please refer to them.

COMPONENT MODEL NAME

	MHC-GPX3
COMPACT DISC RECEIVER	HCD-GPX3G
FRONT SPEAKER	SS-GPX3

SPECIFICATIONS

General

Power requirements

Mexican model: AC 120 V – 240 V, 60 Hz
Other models: AC 120 V – 240 V, 50/60 Hz

Power consumption

180 W

Dimensions (w/h/d) (excl. speakers) (Approx.)

280 mm × 335 mm × 440 mm

Mass (excl. speakers) (Approx.)

6.0 kg

Supplied accessories

Remote control (1)
R6 (Size AA) batteries (2)
FM lead/AM loop antenna (1)

Design and specifications are subject to change without notice.

ACCESSORIES

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	1-490-185-11	REMOTE COMMANDER (RM-AMU140) (including BATTERY LID)	
	1-754-399-21	ANTENNA, ROOP (AM loop antenna (aerial))	
	4-412-607-11	MANUAL, INSTRUCTION (ENGLISH) (E2, E51)	
	4-412-607-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (E2)	
	4-412-607-31	MANUAL, INSTRUCTION (SPANISH) (E51)	
	4-412-607-51	MANUAL, INSTRUCTION (SPANISH) (MX)	
	4-412-607-71	MANUAL DE INSTRUÇÕES (PORTUGUÊS)	

• Abbreviation

E2 : 120V AC area in E model
E51 : Chilean and Peruvian models
MX : Mexican model
BR : Modelo Brasil

MINI HI-FI COMPONENT SYSTEM

9-890-597-01

2012D08-1

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Sony Corporation

Published by Sony EMCS (Malaysia) PG Tec

SONY®

HCD-GPX3G

MANUAL DE SERVIÇO

E Model

Ver. 1.0 2012.04



- HCD-GPX3G is the amplifier, USB, CD player and tuner section in MHC-GPX3.

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CD Section	Model Name Using Similar Mechanism	HCD-EX66/EX88/EX99
	Mechanism Type	CDM76B-D1BD76
	Optical Pick-up Block Name	DA11MMVGP

SPECIFICATIONS

Amplifier section

The following are measured at Mexican model:

AC 120 V – 240 V, 60 Hz

Other models:

AC 120 V – 240 V, 50/60 Hz

MHC-GPX3

Front speaker

Power Output (rated):
300 W + 300 W (at 4 ohms, 1 kHz,
1% THD)

RMS output power (reference):
475 W + 475 W (per channel at
4 ohms, 1 kHz)

Inputs

TV/DVD/SAT (AUDIO IN) L/R

Voltage 1.2 V, impedance 47 kilohms

PC/GAME (AUDIO IN) L/R

Voltage 1.2 V, impedance 47 kilohms

⏏ (USB) port: Type A

USB section

Supported bit rate

MP3 (MPEG 1 Audio Layer-3):
32 kbps – 320 kbps, VBR
WMA: 48 kbps – 192 kbps
AAC: 48 kbps – 320 kbps

Sampling frequencies

MP3 (MPEG 1 Audio Layer-3):
32 kHz/44.1 kHz/48 kHz
WMA: 44.1 kHz
AAC: 44.1 kHz

Supported USB device

Mass Storage Class

Maximum current
500 mA

Disc player section

System

Compact disc and digital audio system

Laser Diode Properties

Emission Duration: Continuous

Laser Output*: Less than 44.6 μ W

* This output is the value measurement
at a distance of 200 mm from the
objective lens surface on the Optical
Pick-up Block with 7 mm aperture.

Frequency response

20 Hz – 20 kHz

Signal-to-noise ratio

More than 90 dB

Dynamic range

More than 88 dB

Tuner section

FM stereo, FM/AM superheterodyne tuner

Antenna:

FM lead antenna

AM loop antenna

FM tuner section

Tuning range

87.5 MHz – 108.0 MHz (100 kHz
step)

AM tuner section

Tuning range

Pan American models:

530 kHz – 1,710 kHz (10 kHz step)

531 kHz – 1,710 kHz (9 kHz step)

Other models:

530 kHz – 1,610 kHz (10 kHz step)

531 kHz – 1,602 kHz (9 kHz step)

General

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(Approx.)

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9-890-598-01

2012D08-1

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COMPACT DISC RECEIVER

SONY®

Notas sobre reparo do componentes do tipo Chip

- Nunca reutilize um componente tipo chip.
- Informamos que o lado menos dos capacitores de tantaló podem ser danificados se expostos a altas temperaturas.

FED5 F5 '9A 'D 75 G'89 '7 F7I HC': @L 9 @

- Manter a temperatura do ferro de soldar durante o reparo.
- Não toque com o ferro de soldar o mesmo condutor chip da placa (mais de 3 vezes).
- Tenha cuidado para não aplicar soldar ou dessoldar.


ATENÇÃO

O uso dos controles ou ajustes ou o desempenho dos procedimentos a exceção daqueles especificados para isto resultar na exposição de radiação perigosa.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

Este aparelho é classificado como produto LASER CLASSE 1. Esta etiqueta está localizada na parte traseira.

5H9BuÇC'7CA'CG'7CADCB9BH9G'89'G9; I F5Bu5!

OS COMPONENTES IDENTIFICADOS COM A MARCA  NOS DIAGRAMAS ESQUEMÁTICOS E NA LISTA DE PEÇAS SÃO CRÍTICOS PARA SEGURANÇA. SOMENTE OS SUBSTITUA POR PEÇAS NUMERICAMENTE IDENTIFICADAS NESSE MANUAL OU EM SUPLEMENTOS PUBLICADOS PELA SONY.

SEÇÃO 1 NOTAS DE SERVIÇO

NOTAS SOBRE O MANUSEIO DA BLOCO DE UNIDADE ÓPTICA OU UNIDADE BASE

O diodo laser da unidade óptica é sensível a descargas eletroestáticas podendo vir a ser danificado por descargas causadas por roupas ou mesmo pelo corpo humano. Durante o reparo tenha cuidado para não causar danos a unidade, devido a cargas eletroestáticas e siga corretamente os procedimentos descritos nesse manual para a execução de reparos e troca de componentes.

As placas de circuito impresso flexíveis são facilmente danificadas. Tenha cuidado ao manuseá-las.

NOTAS SOBRE A EMISSÃO DO DIODO LASER

O feixe laser nesse modelo é concentrado de forma a ser superfície reflexiva do disco, pela lente objetiva da unidade óptica. Quando observar a emissão do diodo laser, tome o cuidado de estar no mínimo a 30 cm da lente objetiva.

SOLDA SEM CHUMBO

Placas que exigem o uso de solda sem chumbo são impressas com a marca LF (lead free) indicando que a solda não contém chumbo. (Atenção: Algumas placas de circuito impresso não podem ter essa marca devido ao seu tamanho reduzido.)

LF : IDENTIFICAÇÃO DA SOLDA SEM CHUMBO

A solda livre de chumbo tem as seguintes características:

- Derrete a uma temperatura 40 °C maior que a solda comum.

Ferros de solda comuns podem ser usados mas a ponta tem que ser aplicada por um tempo maior.

Ferros de solda com regulagem de temperatura devem ser ajustado no valor de 350 °C.

Atenção: A impressão da placa (trilhas de cobre) pode se soltar se a ponta permanecer por muito tempo. Tenha cuidado!

- É mais viscosa
- A solda livre de chumbo é mais viscosa (flui com menor facilidade) que a solda comum, portanto tenha cuidado com as pontes de solda, especialmente entre os pinos de IC's.
- Pode ser utilizada com solda comum
- É melhor usar apenas solda sem chumbo mas este tipo também pode ser adicionado a solda comum.

RE5 LIG5 F C HF5 J5 A9 BHC 85 65 B89 >5 8 C 8 G7 C

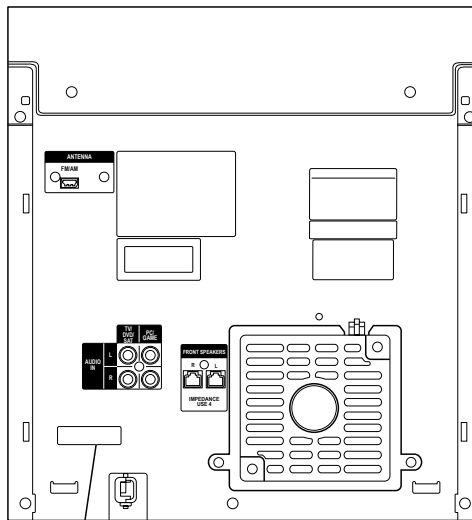
A função de travamento da bandeja do disco deve ser utilizada para evitar o roubo do disco em lojas de departamento.

ReUigUbXc c Proced]a Ybrc:

1. Pressionar o botão [I/⏻ STANDBY] para ligar o aparelho.
2. Pressionar o botão [CD/DISC SKIP] para selecionar a função CD.
3. Manter pressionado o botão [■], e pressionar o botão [ENTER] por mais 5 segundos).
4. A mensagem "LOCKED" aparece no display e a bandeja de disco esta travada.
5. Para destravar, manter pressionado o botão [■], e pressionar o botão [ENTER] por mais 5 segundos).
6. A mensagem "UNLOCKED" aparece no display e a bandeja de disco esta destravada.

Notu: S wcpf q o botão [I/⏻ STANDBY] hqt r tguukqpcf q "c" hwp ± q " \$NQEMGF \$ tco d² o "² f guc vxcfc 0

IDENTIFICAÇÃO DO MODELO
- DUJBY HFUGYJfc -

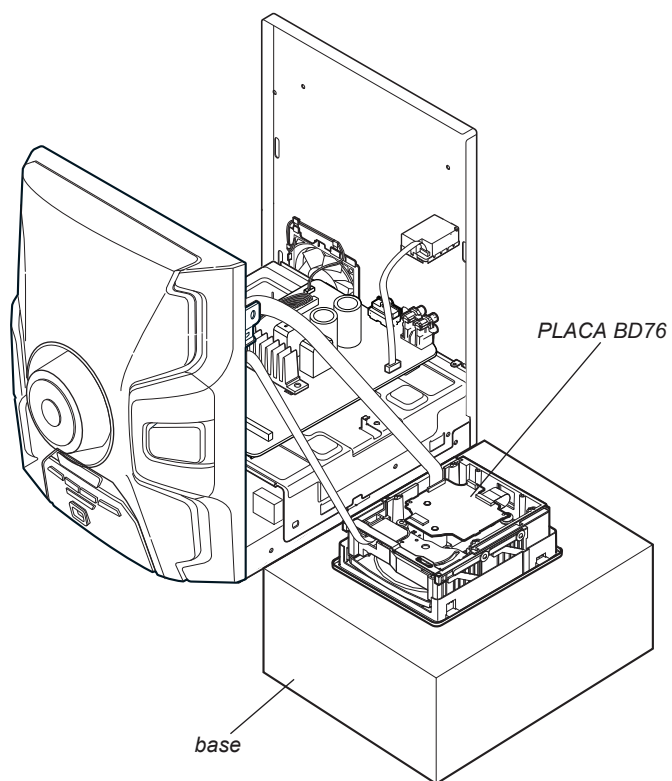


Parts No.

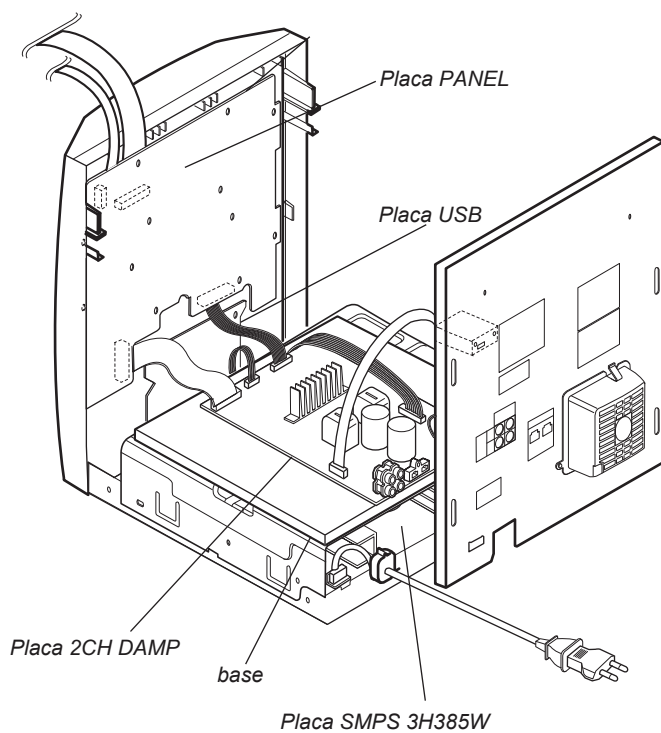
Modelo	Part No.
HCD-GPX3G: E2, E51	4-411-594-0
HCD-GPX3G: MX	4-411-594-1

- Abbreviation
- E2 : 120V AC area in E model
- E51 : Chilean and Peruvian models
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DOŞluÇC`89`G9FJ=C 8 C CDM76

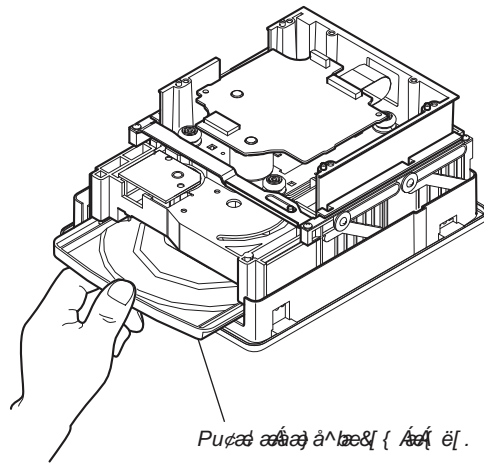
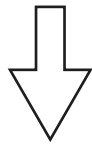
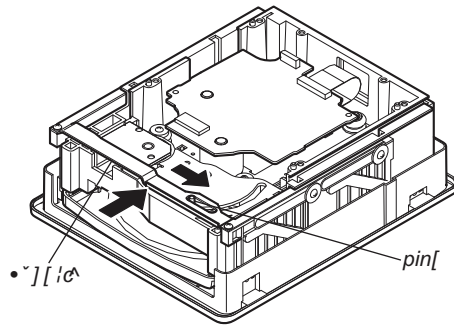


DCG=CÇ`89`G9FJ=C 85GD@75G



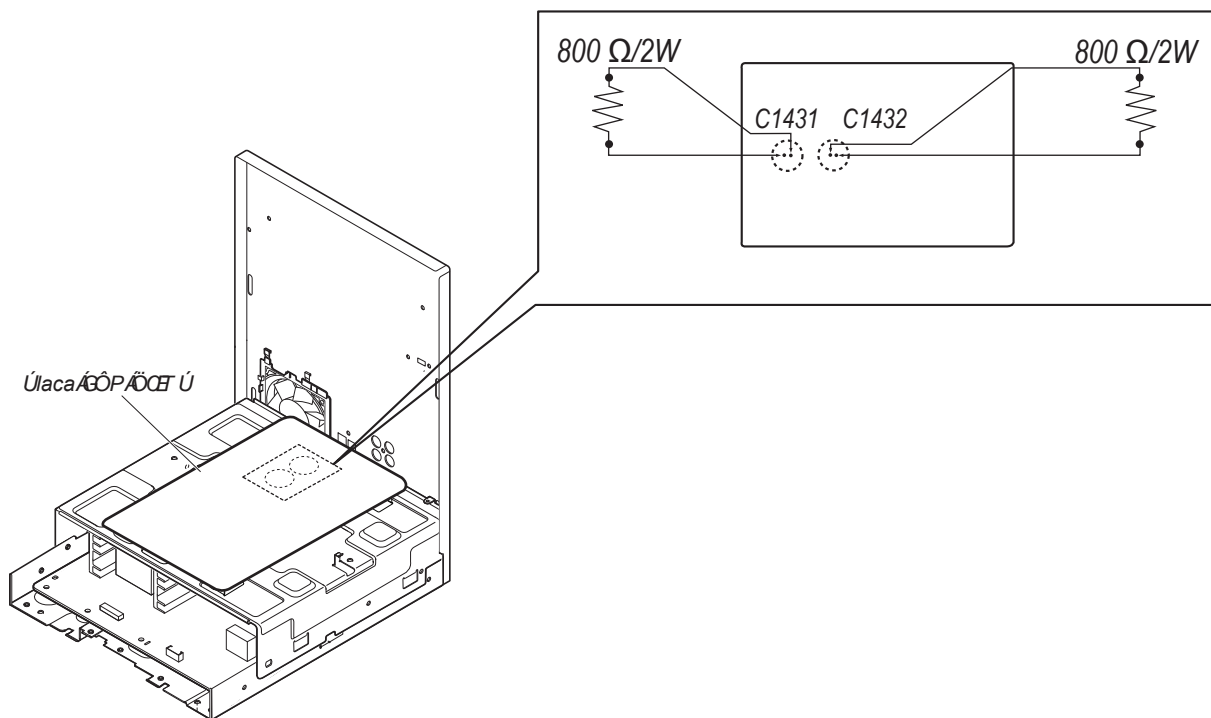
HCD-GPX3G

7CAC'56F-F 5'65B89>5'EI 5B8C'C'5D5F9@C'9GHJ9F'89G@; 58C

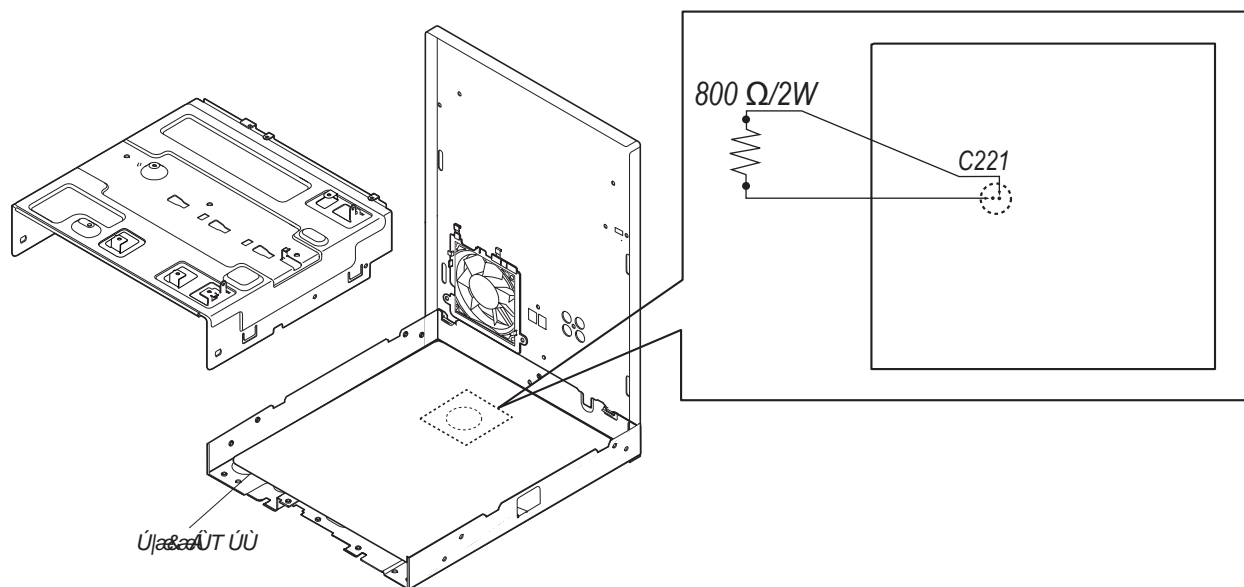


89G75FF9; 5F'CAPACITOR'D5F5 DF9J9B-F'7<CEI 9'ELvTRICO

Antes de verificar a placa GÔH DAMP, fazer a descarga dos capacitores C1431 e C1432 para prevenir choque elétrico.

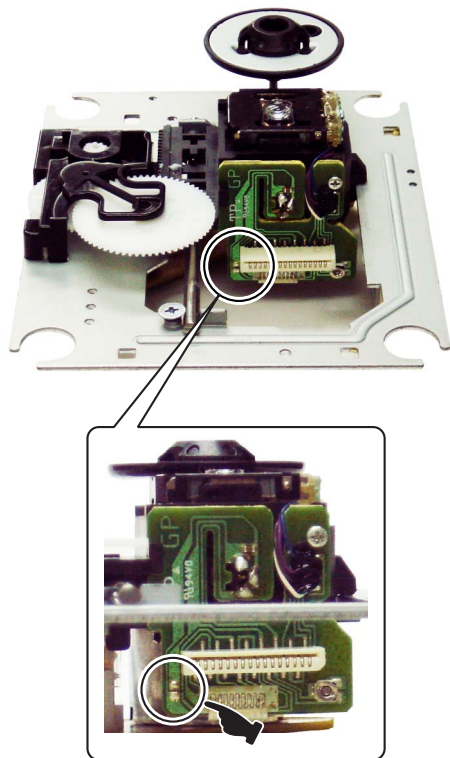


Antes de verificar a placa UT ÚÚ, fazer a descarga do capacitor C221 para prevenir choque elétrico.



HCD-GPX3G

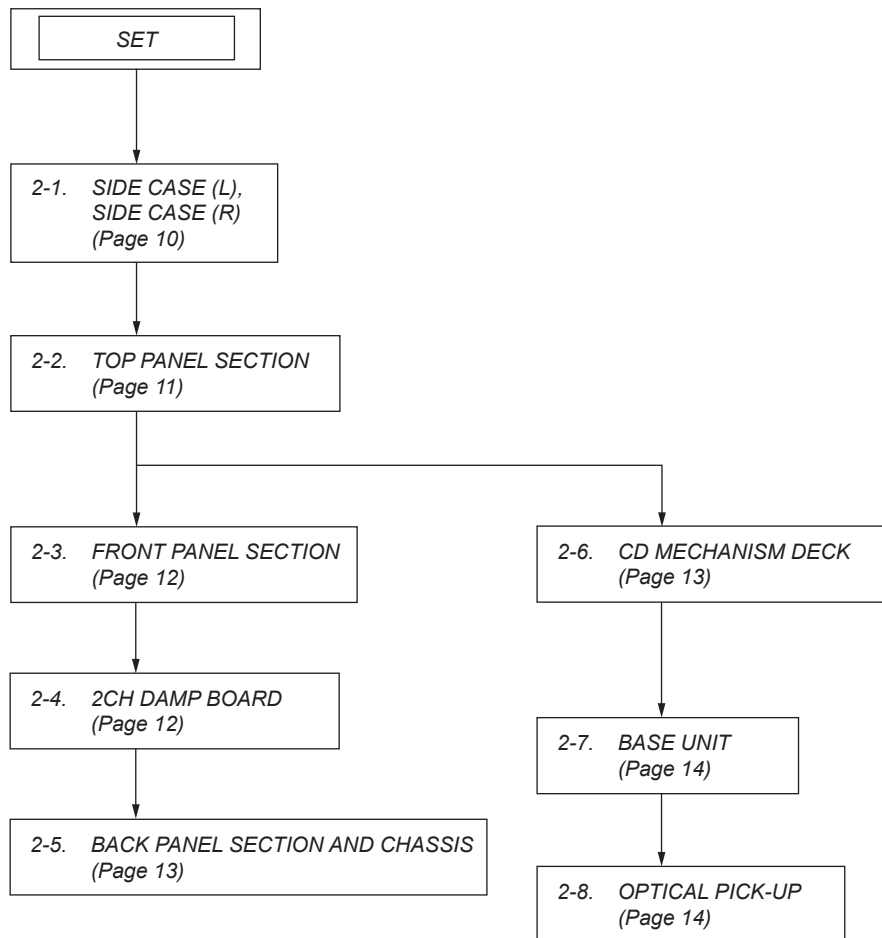
PRECAI uÇC EI 5B8C`BGH5 @F A NCJ5 I B-8589`é H75/
PRECAUuÇC 7CA`9 @HF-7-8589`9GHâ H75`5BH9G`89`F9ACJ9F`C`7I FHC`89`GC`@5



S wcpf q'lpucrt'c'pqc'wplf cf g'»dec."gr"fgxg'ugt'conectcf c'r tlo gktq
c'r nec'f g'ekewsq'lo r tguuq'cpvgt'f g'tgo qxgt'q'ewtq'f g'uqrf c0
Rctc'r t'gxgpk'f cpqu'ecwuf qu'r gr'grgt'lekf cf g'gst' ticc.
(P`q'f go qt'g'o vlsq'vgo r q'tgo qxgpf q'q'ewtq'f g'uqrf c'f c'wplf cf g'»dec+
(Não remova o curto de solda a unidade ótica não estiver conectada a
placa de circuito impresso.)

SEuÇC 2 DEGMCBH5; 9A

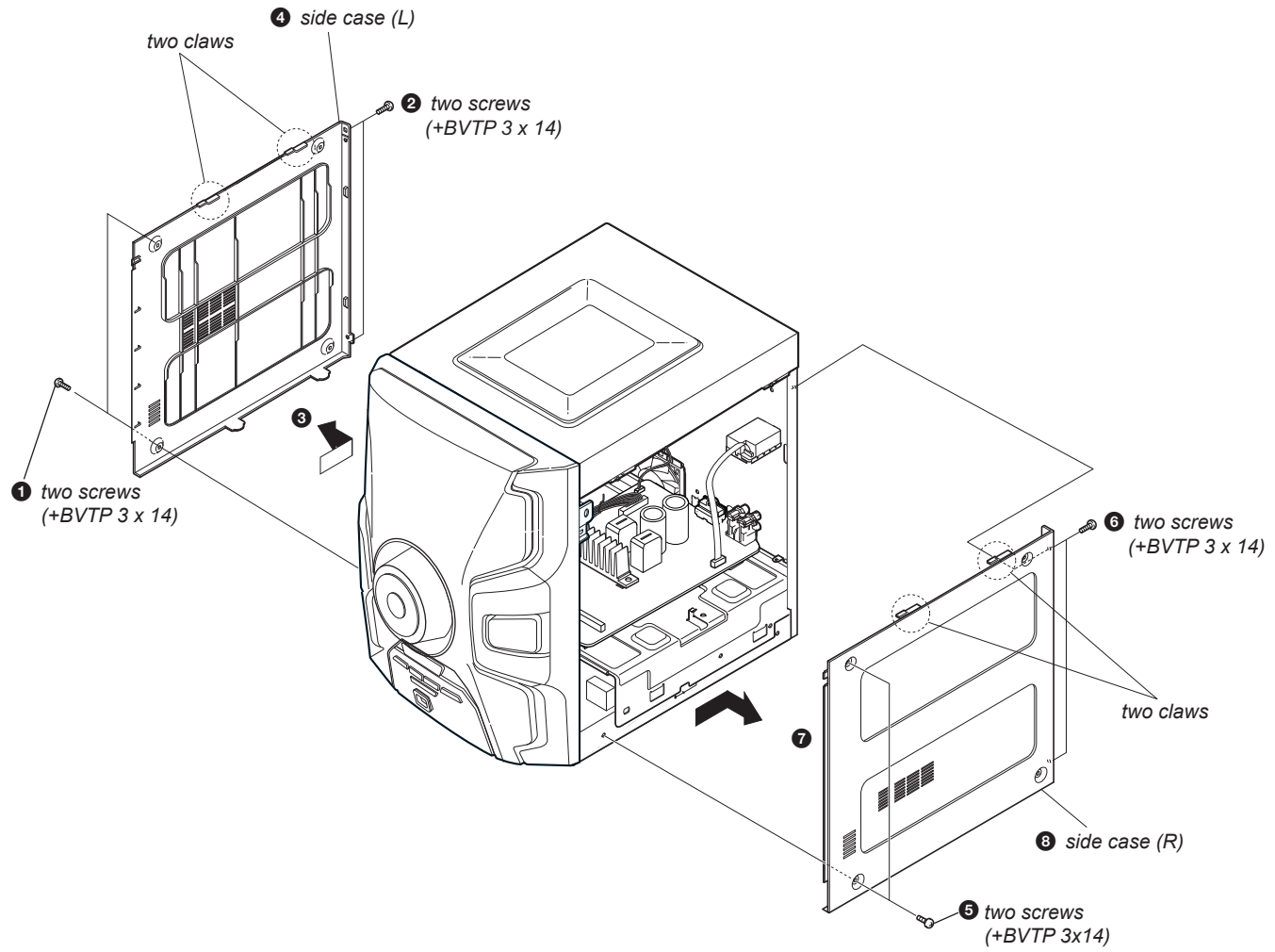
- This set can be disassembled in the order shown below.



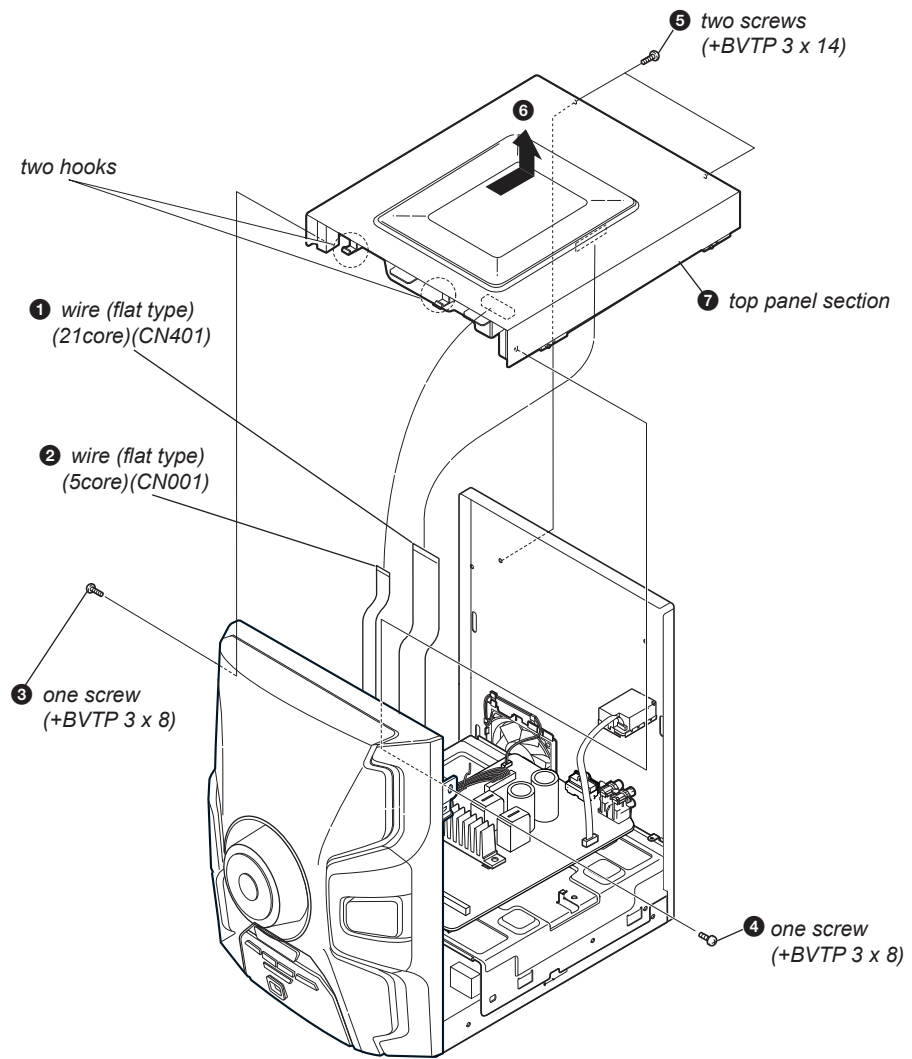
HCD-GPX3G

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

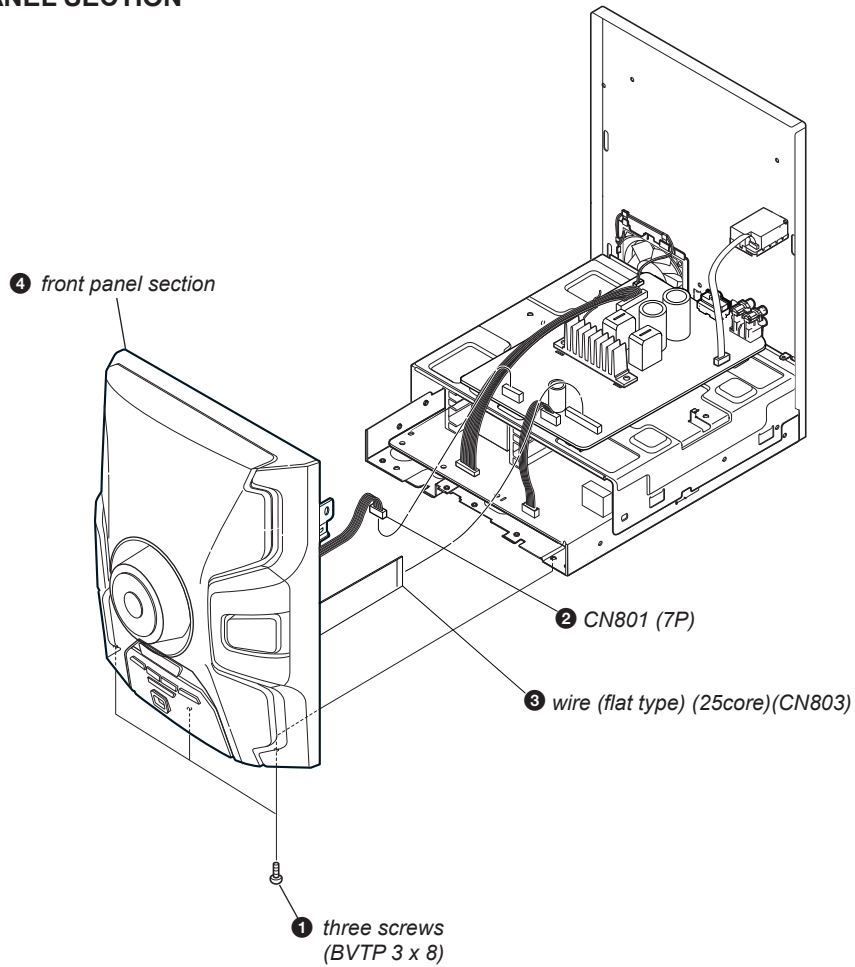
2-1. H5 AD5 8 C (L), H5 AD5 8 C (R)



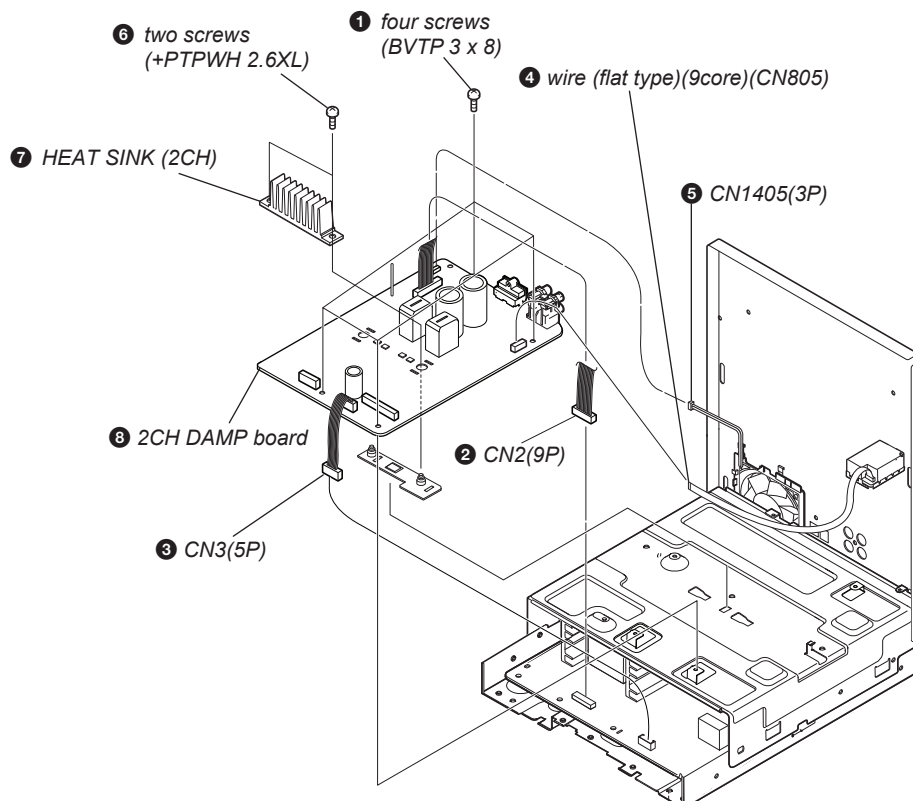
2-2. G9uÇC'PA-NEL GI D9F-ÇF



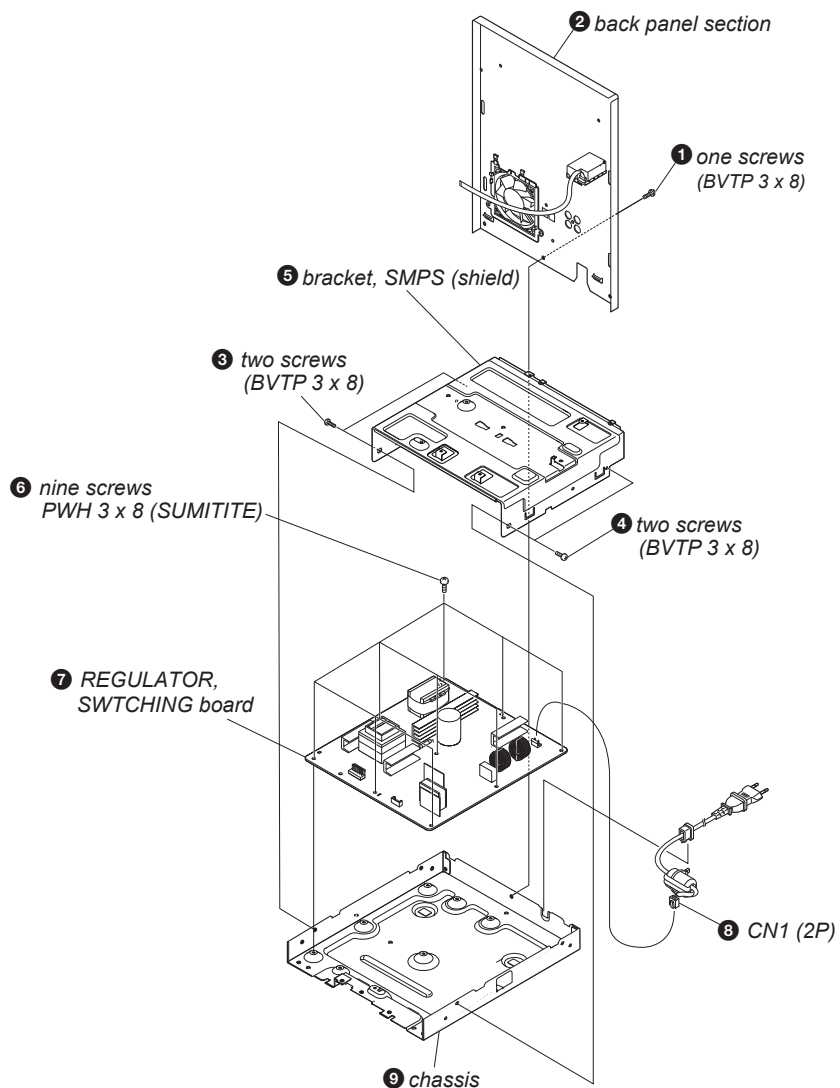
2-3. FRONT PANEL SECTION



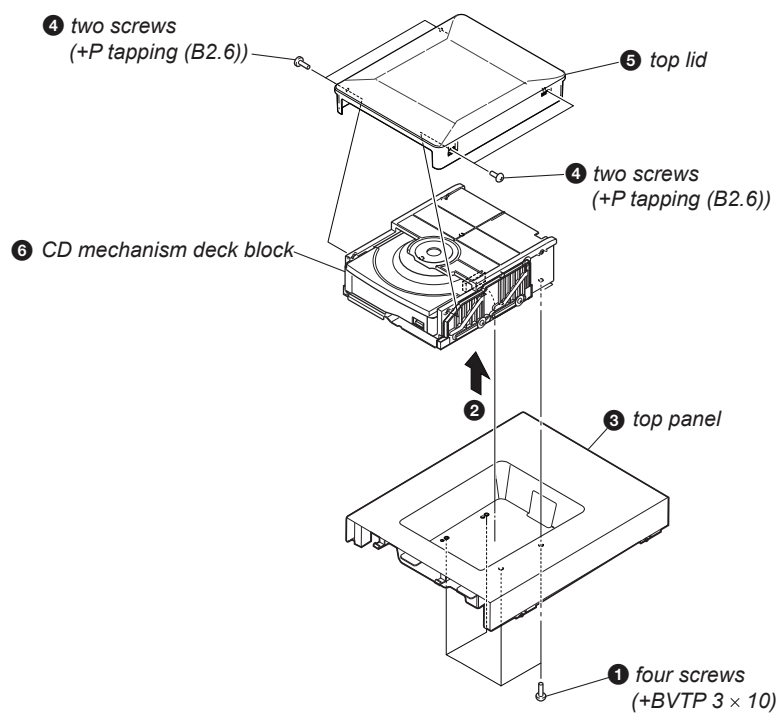
2-4. DC 75 2CH DAMP



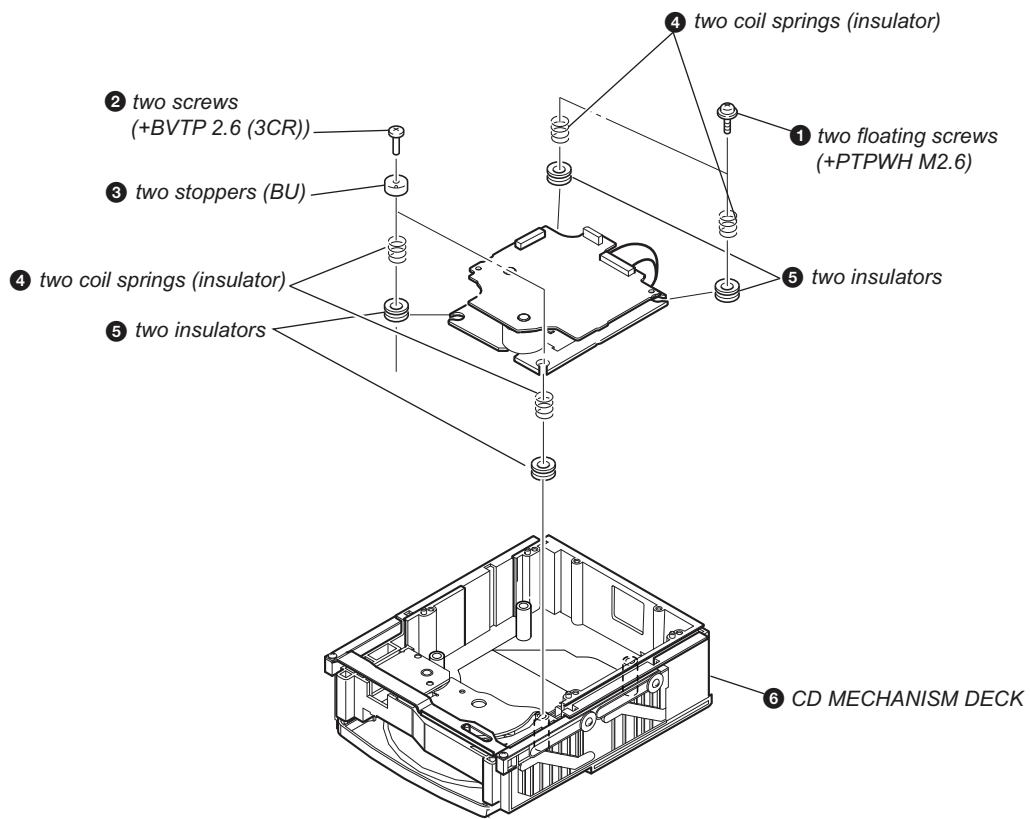
2-5. G9uÇC'PA-NEL'HF5 G9-F'9 CHASSI



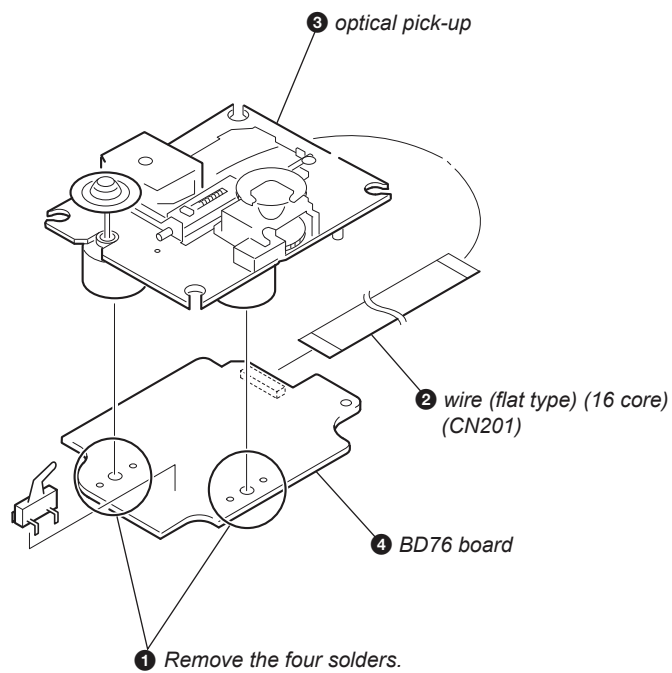
2-6. MECANISM C 7 D



2-7. I B-8589'BASE



2-8. I B-8589'É TICA



SEuÇC 3 AC8C'89 TESTE

[PANEL TEST MODE]

- This mode is used to check the fluorescent indicator tube, LEDs, keys, [MASTER VOLUME] jog, model, destination and software version.
- Procedure:
 - Press [CD] button and [TUNER/BAND] button simultaneously and hold 3 seconds.
 - All LEDs and segments in fluorescent indicator tube are lighted up.
 - When you want to enter to the software version display mode, press [⇐+ / ↑] button. The model information appears on the fluorescent indicator tube.
 - “GPX 0” is shown for MHC-GPX3.
 Press [⇐+ / ↑] button again to view the destination information.
 - During the destination information display, press [⇐+ / ↑] button. Each time [⇐+ / ↑] button is pressed, the fluorescent indicator tube shows the version of each category software in the following sequence: SC, UI, PF, SYS, CD, MM, ST, TA, TM and return back to model information display.
 - When [OPTION] button is pressed while the version numbers are being displayed except model and destination, the date of the software creation appears. When [OPTION] button is pressed again, the display returns to the software version display.
 - Press [⇐+ / ↓] button, the key check mode is activated.
 - In the key check mode, the fluorescent indicator tube displays “K 0 V0”.

Each time a button is pressed, “K” value increases. However, once a button has been pressed, it is no longer taken into account.

“V” value increases in the manner of 0,1, 2, 3 ... if [MASTER VOLUME] knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if [MASTER VOLUME] knob is turned counterclockwise.
 - When [ENTER] button is pressed after all LEDs and segments in fluorescent indicator tube light up, alternate segments in fluorescent indicator tube and LEDs would light up. If you press [ENTER] button again, another half of alternate segments in fluorescent indicator tube and LEDs would light up. Pressing [ENTER] button again would cause all segments in fluorescent indicator tube and LEDs light up.
 - To release from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

[COMMON TEST MODE]

- This mode is used to check operations of the Amplifier section.
- Procedure:
 - To enter Common Test Mode
 - Press [USB] button and [BASS BAZUCA] button simultaneously and hold for 3 seconds.
 - The function is changed to TV and the volume is changed to VOLUME MIN.
- Check of Amplifier
 - Press [ROCK] button repeatedly until a message “GEQ MAX” appears on the fluorescent indicator tube. GEQ increases to its maximum.
 - Press [ROCK] button repeatedly until a message “GEQ MIN” appears on the fluorescent indicator tube. GEQ decreases to its minimum.
 - Press [ROCK] button repeatedly until a message “GEQ FLAT” appears on the fluorescent indicator tube. GEQ is set to flat.

- When the [MASTER VOLUME] knob is turned clockwise even slightly, the sound volume increases to its maximum and a message “VOLUME MAX” appears on the fluorescent indicator tube.
- When the [MASTER VOLUME] knob is turned counterclockwise even slightly, the sound volume decreases to its minimum and a message “VOLUME MIN” appears on the fluorescent indicator tube.
 - To release from Common Test mode
 - To release from this mode, press [||⏻ STANDBY] button.
 - The cold reset is enforced at the same time.

[USER RESET]

- The user reset clears all data including preset data stored in the data flash to initial conditions exclude history mode data
- Procedure:
 - Press [||⏻ STANDBY] button to turn on the system.
 - Press [■] button and [||⏻ STANDBY] button simultaneously for 3 seconds.
 - “RESET” appears on the fluorescent indicator tube. After that, the fluorescent indicator tube becomes blank for a while, and the system is reset.

[COLD RESET]

- The cold reset clears all data including preset data stored in the data flash to initial conditions. Execute this mode when returning the set to the customer.
- Procedure:
 - Press [||⏻ STANDBY] button to turn on the system.
 - Press [ENTER] button and [EQ] button simultaneously for 3 seconds.
 - “COLD RESET” appears on the fluorescent indicator tube. After that, the fluorescent indicator tube becomes blank for a while, and the system is reset.

[TUNER STEP CHANGE]

- The step interval of AM channels can be toggled between 9 kHz and 10 kHz. This mode is not available for Saudi Arabian, European and Russian models.
- Procedure:
 - Press [||⏻ STANDBY] button to turn on the system.
 - Press [TUNER/BAND] button repeatedly to select the “AM”.
 - Press [||⏻ STANDBY] button to turn off the system.
 - Press [LED EFFECT] button and [||⏻ STANDBY] button simultaneously. The system turns on automatically. The message “AM 9K STEP” or “AM 10K STEP” appears on the fluorescent indicator tube and thus the channel step is changed.

[CD TRAY LOCK MODE]

- This mode let you lock the disc tray. When this mode is activated, the disc tray will not open when [OPEN/CLOSE] button or [EX-CHANGE] button is pressed. The message “LOCKED” will be displayed on the fluorescent indicator tube. This mode only applied when there is disc(s) on the tray.
- Procedure:
 - Press [||⏻ STANDBY] button to turn on the system.
 - Select CD function.
 - Press [■] button and [ENTER] button simultaneously and hold down until “LOCKED” or “UNLOCKED” displayed on the fluorescent indicator tube (around 5 seconds).

[FACTORY PRESET]

- This mode is used to load all the factory use preset frequencies into FM 1-FM 20 and AM 1-AM 10. Originally, frequency of FM 1-FM 20 and AM 1-AM10 are set to the minimum frequency.
- Procedure:
 - Press [I/⏻ STANDBY] button to turn on the system.
 - Press [CD] button and [AUDIO IN] button simultaneously and hold for 3 seconds, message "FACTORY" appears on the fluorescent indicator tube. The function is changed to TUNER automatically.

[CDM AGING MODE]

- This mode is used to display the total count of meter pointer touch initial switch and max switch.
- Procedure:
 - Press [I/⏻ STANDBY] button to turn on the system.
 - Select CD function and All DISC play mode
 - Put disc on all tray.
 - Press [⏏ + / ↑] button and [■] button simultaneously for 3 seconds.
 - The fluorescent indicator tube displays Aging Display "AG xxxx/yyyy".
"xxxx" represents the error counter (Maximum Value of "xxxx" = 9999)
"yyyy" represents the cycle counter (Maximum Value of "yyyy" = 9999)
 - Press [←] or [→] to search for Aging History Error Display
The fluorescent indicator tube displays "Mx E1E2E3E4".
x: error history number
E1: Loading sequence JCP high
E2: Loading sequence JCP low
E3: Loading operation JCP
E4: Cam position operation JCP
 - Press [ENTER] to Aging Display
- To release from Meter Aging Mode.
To release from this mode, press [I/⏻ STANDBY] button or perform COLD RESET operation.

[HISTORY MODE]

- This mode is used to check important data stored in the system when PROTECTOR happen.
- Procedure:
 - During demo mode, press [▶▶] button and [BASS BAZUCA] for 5 seconds to mode in to history mode.
 - Press the [TUNING +] or [TUNING -] button to check history data stored

Item	Display										
Protector Count	P	R	O	C	O	U	N	T		※	※
Protector Type	P	R	O	T	Y	P	E			※	※
Single Power On Time	T	1		※	※	※	※	※	H	※	M
Total Power On Time	T	2		※	※	※	※	※	H	※	M
Input Function	F	U	N	C		※	※	※	※	※	※
Volume	V	O	L							※	※
Actual Attenuation	A	T	T							※	※
Low EQ Level	E	Q		L	O	W				※	※
Mid EQ Level	E	Q		M	I	D				※	※
High EQ Level	E	Q		H	I	G	H			※	※

VACS Level	V	A	C	S						※	※
AP VACS Level	A	P	V	A	C	S				※	※
Surround Setting	S	U	R	R						※	※
Bass Bazuca Setting	B	A	Z	U	C	A				※	※

- To release from History Mode.
To release from this mode, press [I/⏻ STANDBY] button.

[PROTECT KIND CHECK TEST MODE]

- This mode is used to check types of protect occurred during protector on.
- Procedure:
 - During protection on, fluorescent indicator tube shows blinking message "PROTECT EXX".
"EXX" – represent the error code.
 - Press [▶▶] button & [■] button simultaneously.
 - Fluorescent indicator tube display will toggle between "PROTECT" message & protector kind message display.
Bellow table explains on protector kind.

Error Code	Protector Message	Description
E01	"AMP OCP"	The overcurrent condition to MOS-FET occurs by defect of MOSFET or defect of PS output line.
E02	"MTK POWER"	No power supply to DMB mount
E03	"POWER SUPPLY"	Defect of power supply circuit to AMP
E04	"AMPLIFIER"	Defect of AMP circuit
E06	"FAN BLOCK"	Defect of DC FAN and DC FAN driver circuit

- To release from this mode.
Press [▶▶] button & [■] button simultaneously again or unplug & re-plug in the power cord.

1. Defect of AMP circuit

1-1. If PROTECT mode is "AMPLIFIER",

The following defect might be possible.

Defects	Possible cause
OTP (Over Temperature Protection)	Unusual heat up of MOSFET by improper assembly of heatsink, destruction of MOSFET etc..
DC Detection	DC appears in SP terminal by defect of AMP IC and MOSFET or output is short-circuit.
Unusual output of Power mount	The power mount has unusual output.

1-2. If speaker does not have output even if the set status is not in PROTECT mode

The following defect might be possible.

Defects	Possible cause
Under Voltage	IC1402 output is below 12V.
RESET defect	Reset signal status from micom is not 'H'.

2. Defect of power supply circuit to AMP

2-1. If the PROTECT mode is "POWER SUPPLY",

There is possibility of unusual power supply of any of the AMP IC or Pre-amplifier.

- To release from this mode.
Press [▶▶] button and [■] button simultaneously again or unplug and re-plug in the power cord.

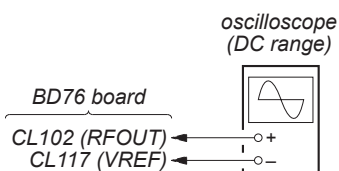
SEÜÇ 4 J9F = 75 uÇ ELvTRIC5

CD SECTION

Note:

1. CD Block is basically constructed to operate without adjustment.
2. Use YEDS-18 disc (Part No. 3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10 MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Check the focus bias check when optical pick-up block is replaced.

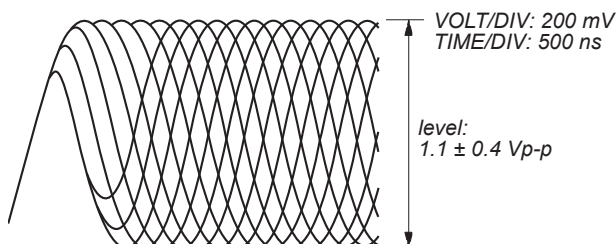
FOCUS BIAS CHECK



Procedure:

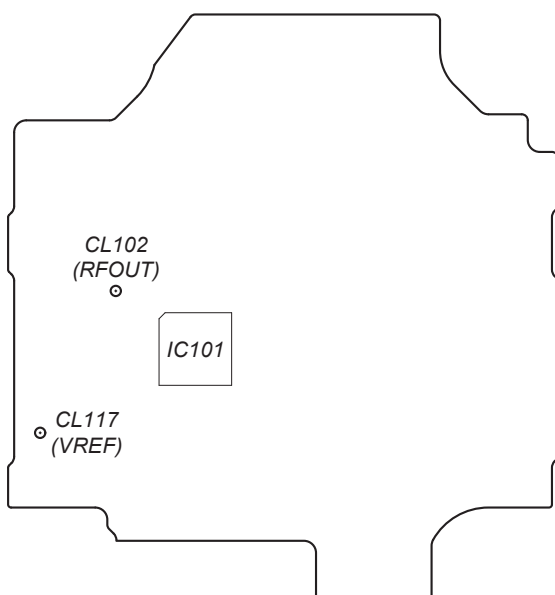
1. Connect the oscilloscope to CL102 (RFOUT) and CL117 (VREF) on the BD76 board.
2. Press the [I/⏻] button to turn the power on, and press the [CD] button to select CD function.
3. Set disc (YEDS-18) and press the [▶||] button to playback.
4. Confirm that oscilloscope waveform is as shown in the figure below (eye pattern).

A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.



Checking Location:

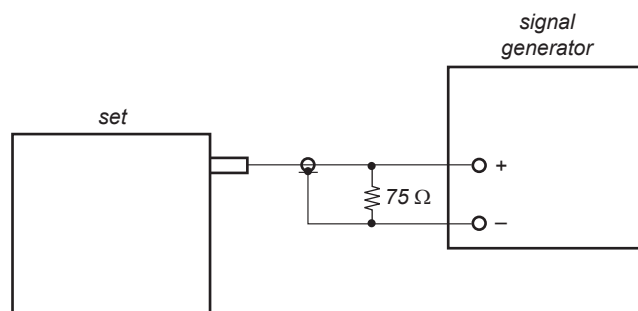
– BD76 Board (Side B) –



TUNER SECTION

0 dB = 1 μV

FM AUTO STOP CHECK



Procedure:

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

Carrier frequency : A = 87.5 MHz, B = 98 MHz, C = 108 MHz

Deviation : 75 kHz

Modulation : 1 kHz

ANT input : 35 dBu (EMF)

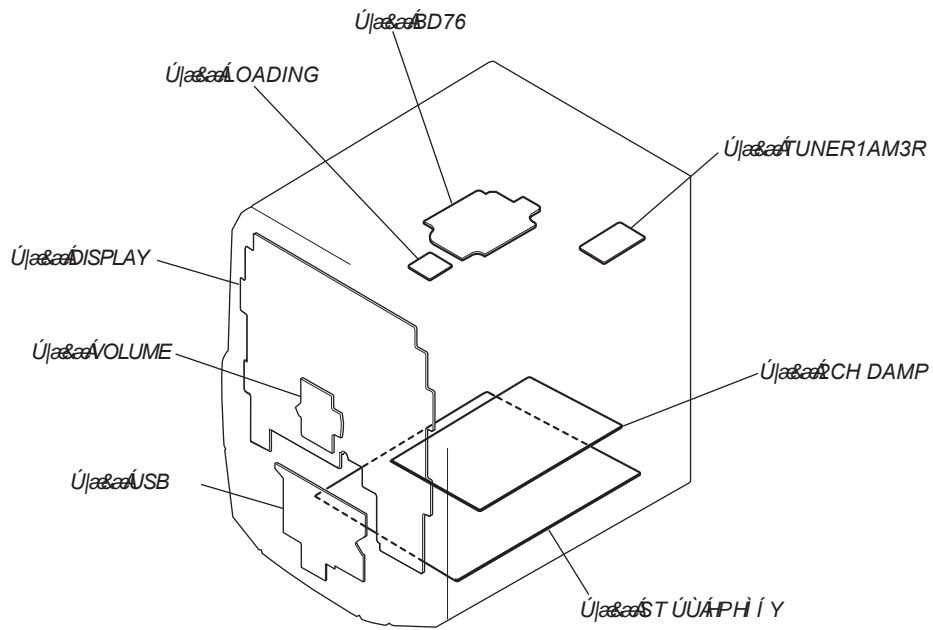
Note: Please use 75 ohm “coaxial cable” to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input Frequency of A, B and C detected and automatic scanning stops.

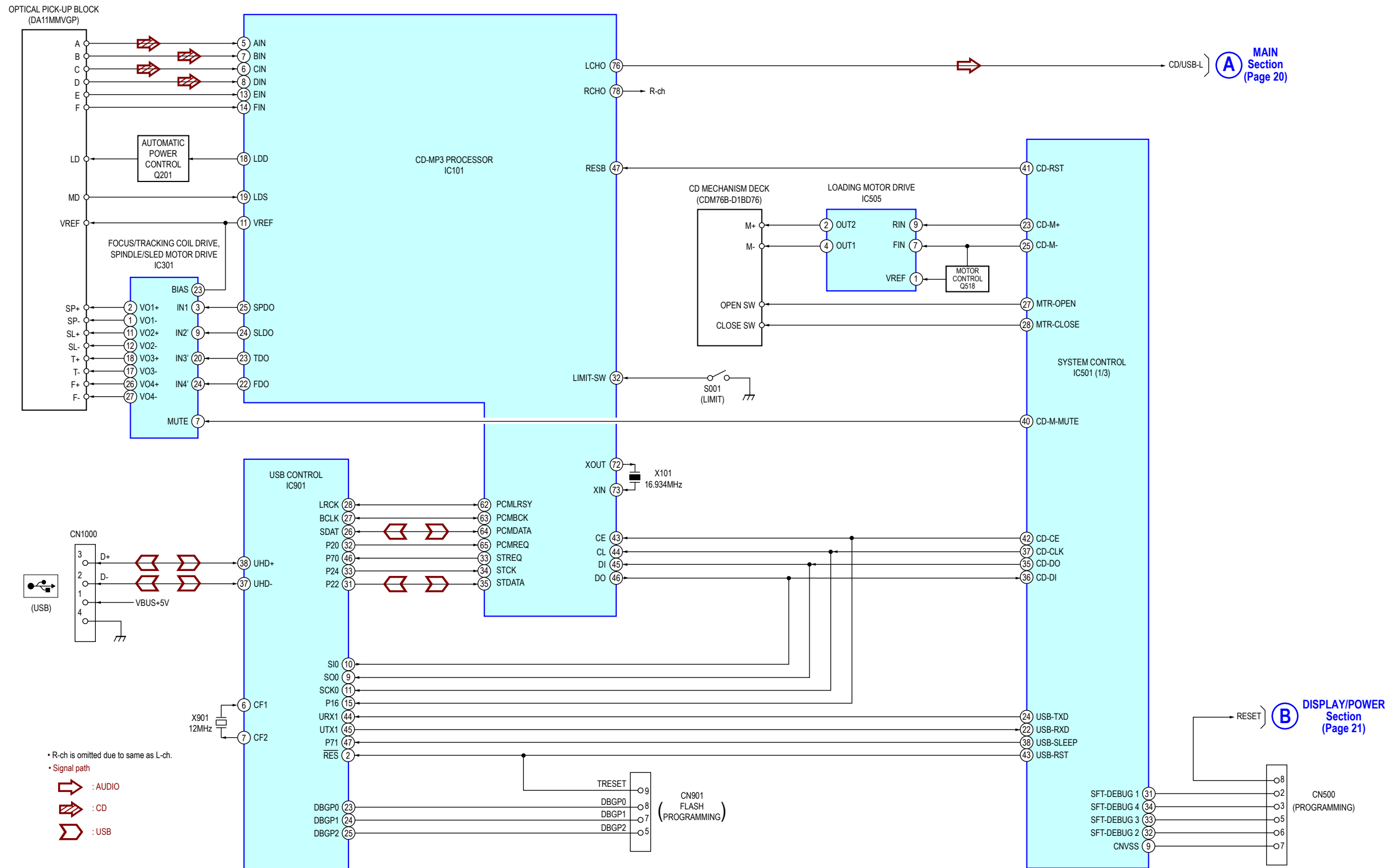
The stop of automatic scanning means “The station signal is received in good condition”.

SEuÇ 5 DIAGRAM 5 S

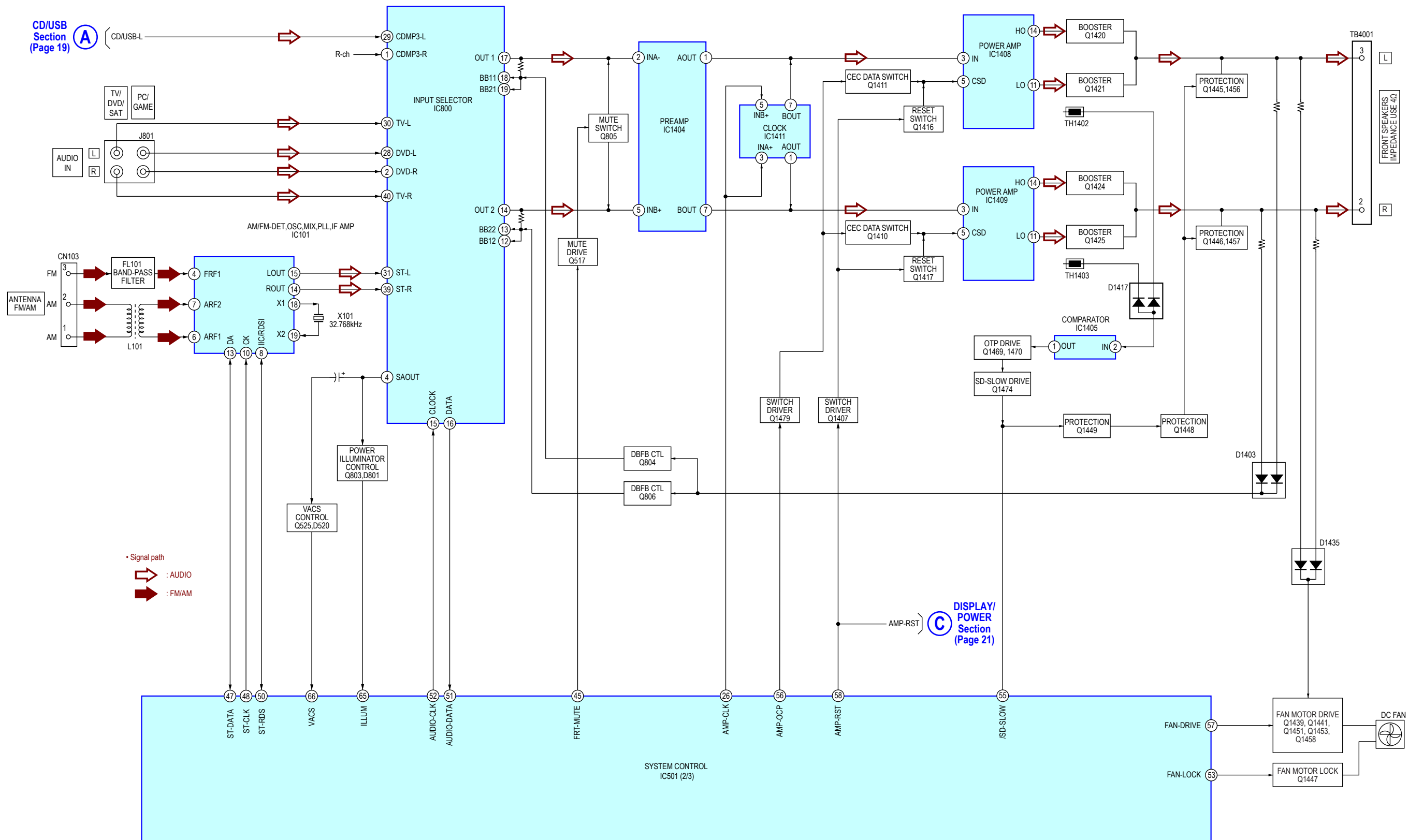
- @WU]nU, ~c`XUg'd`UWUg



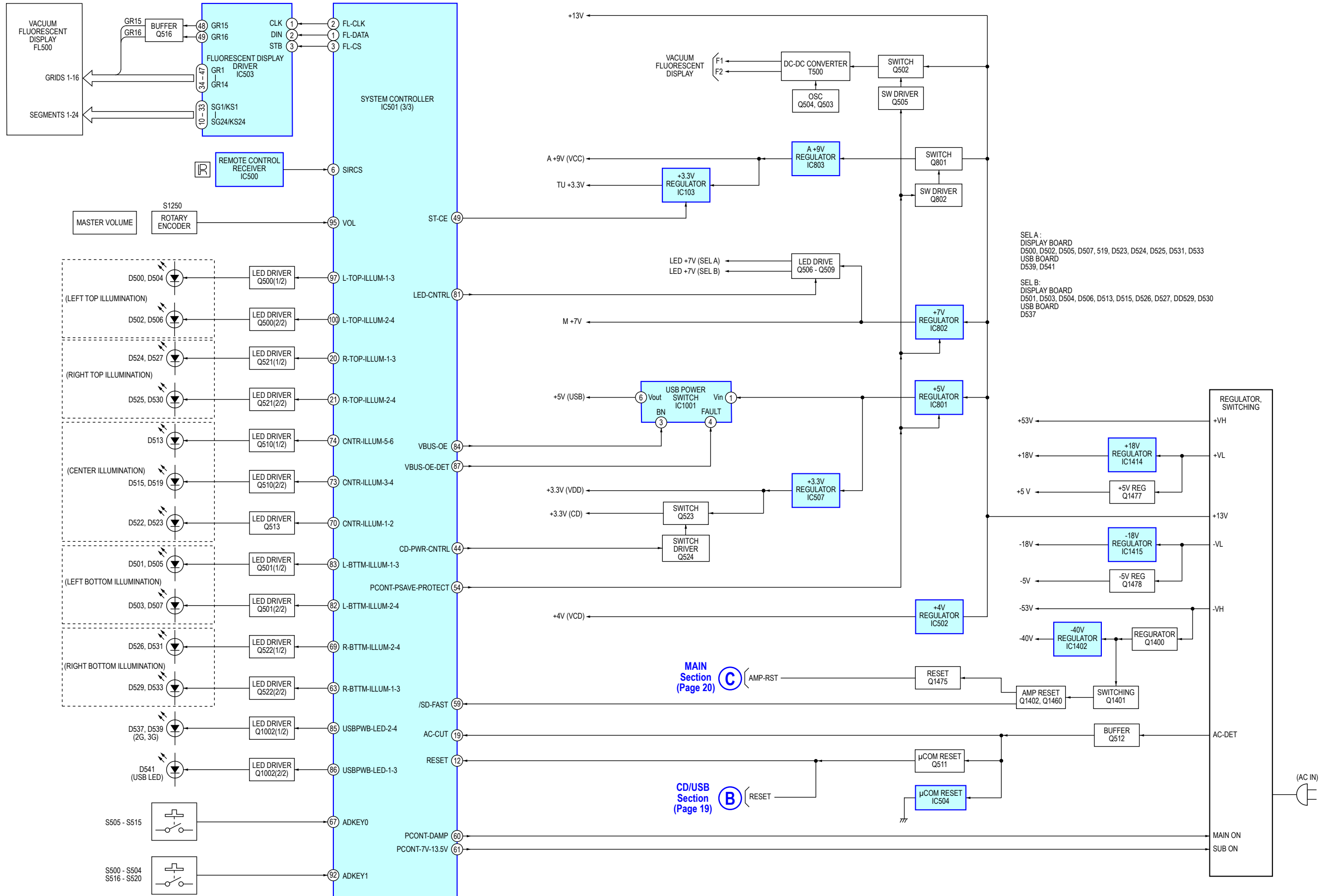
5-1. 8 F5A5 9A 6 C7C -GY, ~c CD/USB -



5-2. 8-5; F5 A5 9A BLOCC -GY, ~c MAIN -



5-3. 8-5; F5A5 9A BLOCC -GY, -c DISPLAY/: CBH9 89 5 @A9BH5 uÇC -



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



For Printed Wiring Boards.

- Note:**
- : Parts extracted from the component side.
 - : 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.
 Parts face side: Parts on the parts face side seen from the parts face are indicated.

- Abbreviation
 E2 : 120V AC area in E model
 E51 : Chilean and Peruvian models
 MX : Mexican model

For Schematic Diagrams.

- Note:**
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and 1/4 W or less unless otherwise specified.
 - Δ : Internal component.
 - : Nonflammable resistor.
 - : Panel designation.

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

- : B+ Line.
- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

– BD76 Board –

no mark: CD PLAY

– Other Boards –

no mark: TUNER (FM/AM)

* : Impossible to measure

- Voltages are taken with VOM (Input impedance 10 M Ω). 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.

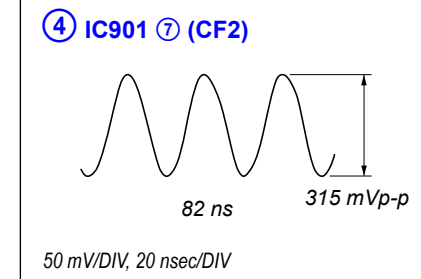
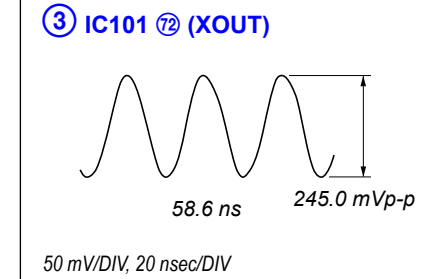
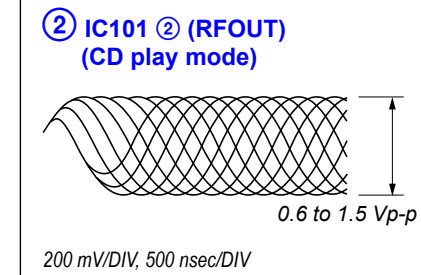
- Circled numbers refer to waveforms.
- Signal path.

-  : AUDIO
-  : AM/FM
-  : CD
-  : USB

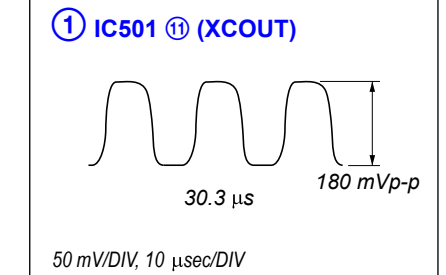
- Abbreviation
 E2 : 120V AC area in E model
 E51 : Chilean and Peruvian models
 MX : Mexican model
 BR : Modelo Brasil

• Waveforms

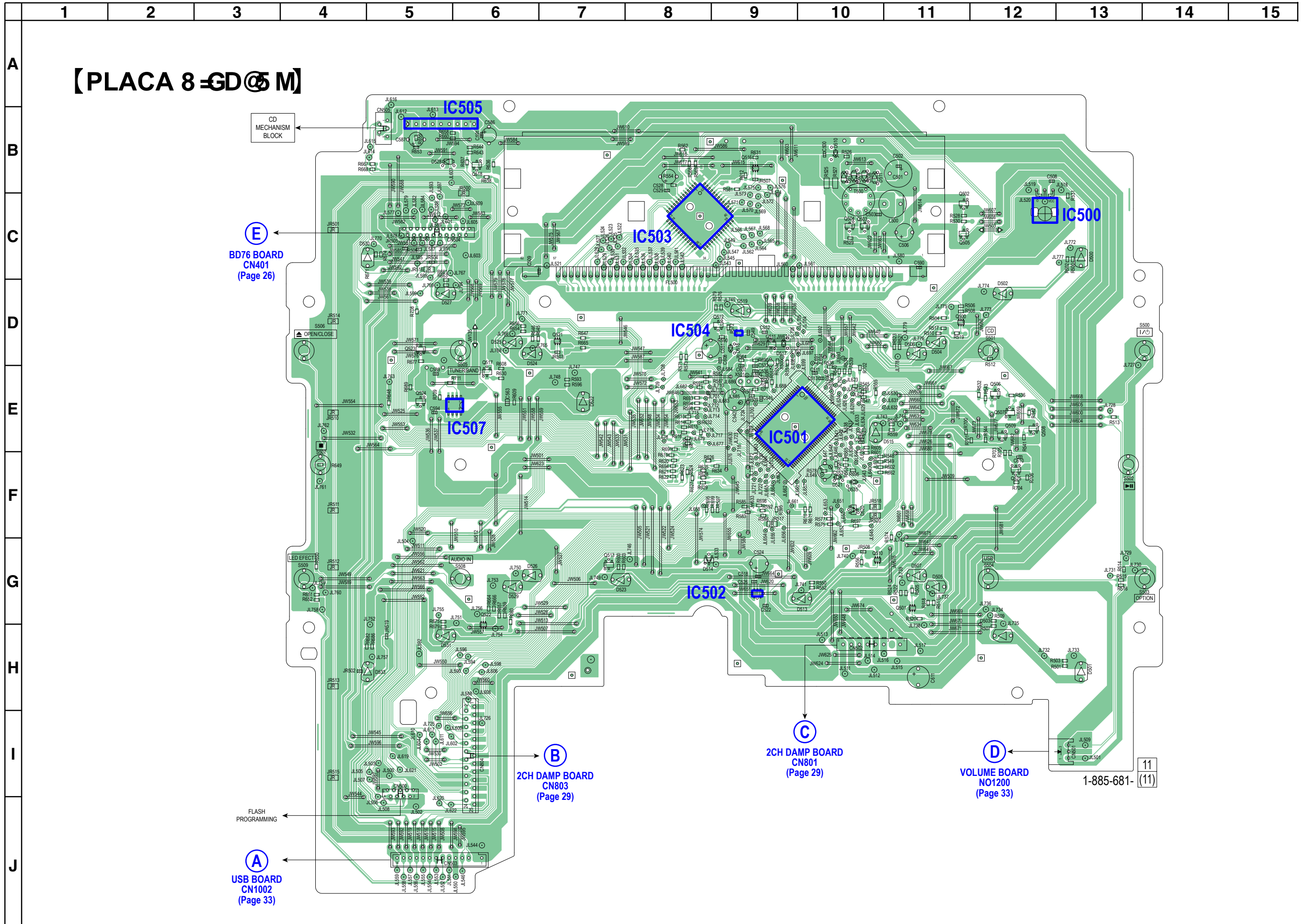
– BD76 Board –



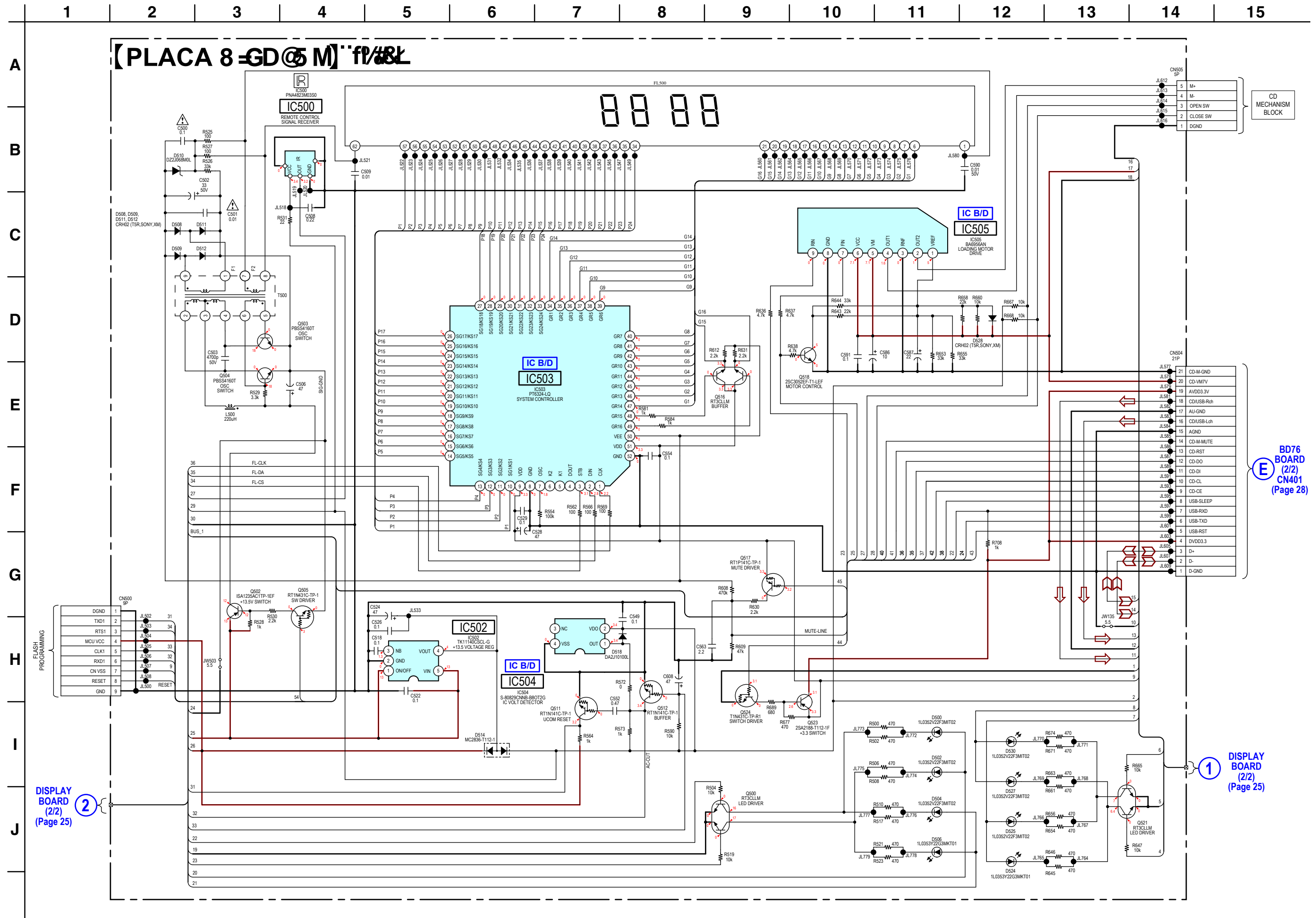
– DISPLAY Board –



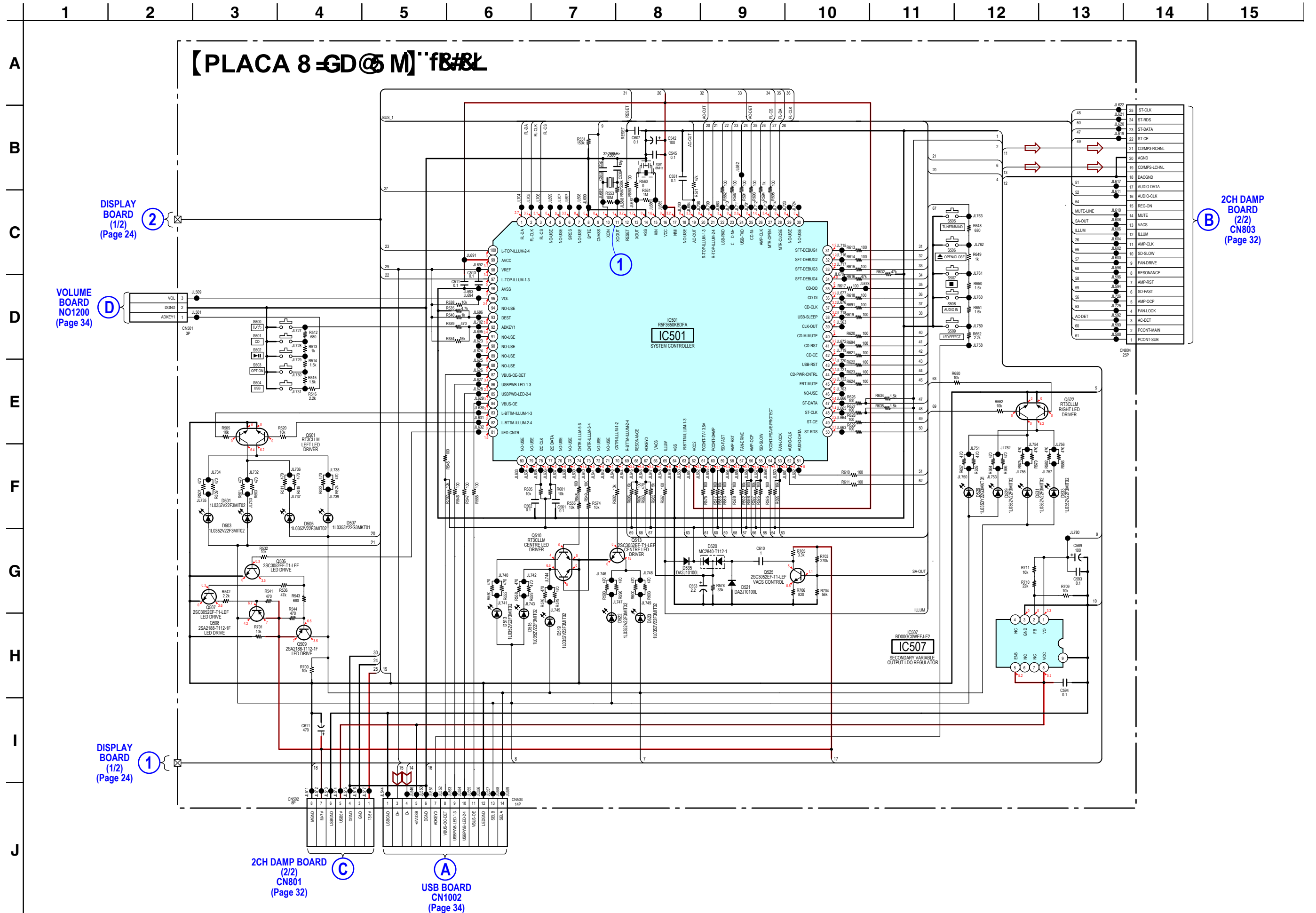
5-4. PLACA DE CIRCUITO IMPRESSO - Placa DISPLAY - • See page 18 for Circuit Boards Location. : Uses unleaded solder.



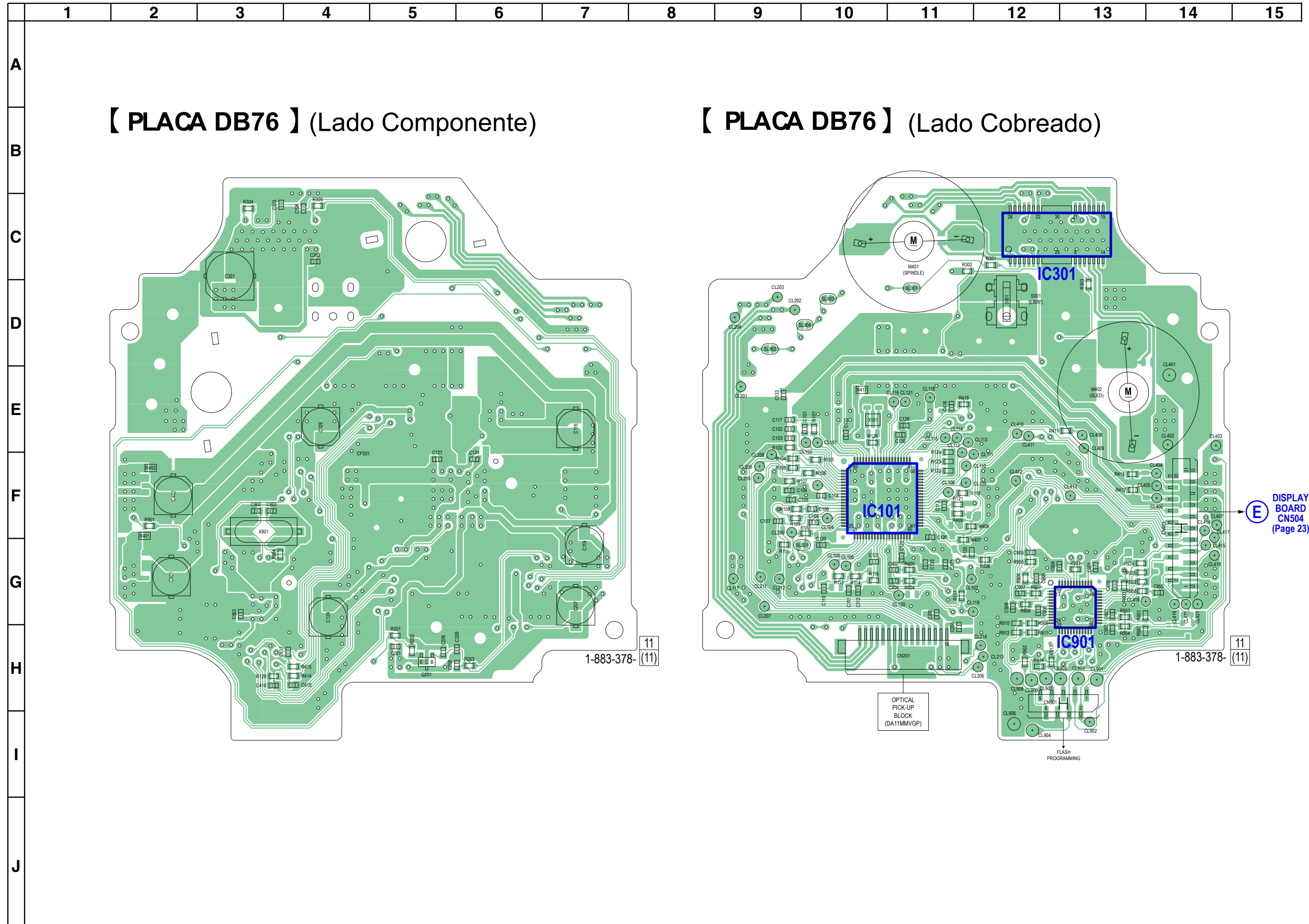
5-5. DIAGRAMA ESQUEMATICO – Placa DISPLAY (1/2) – • See page 37 for IC Block Diagrams.



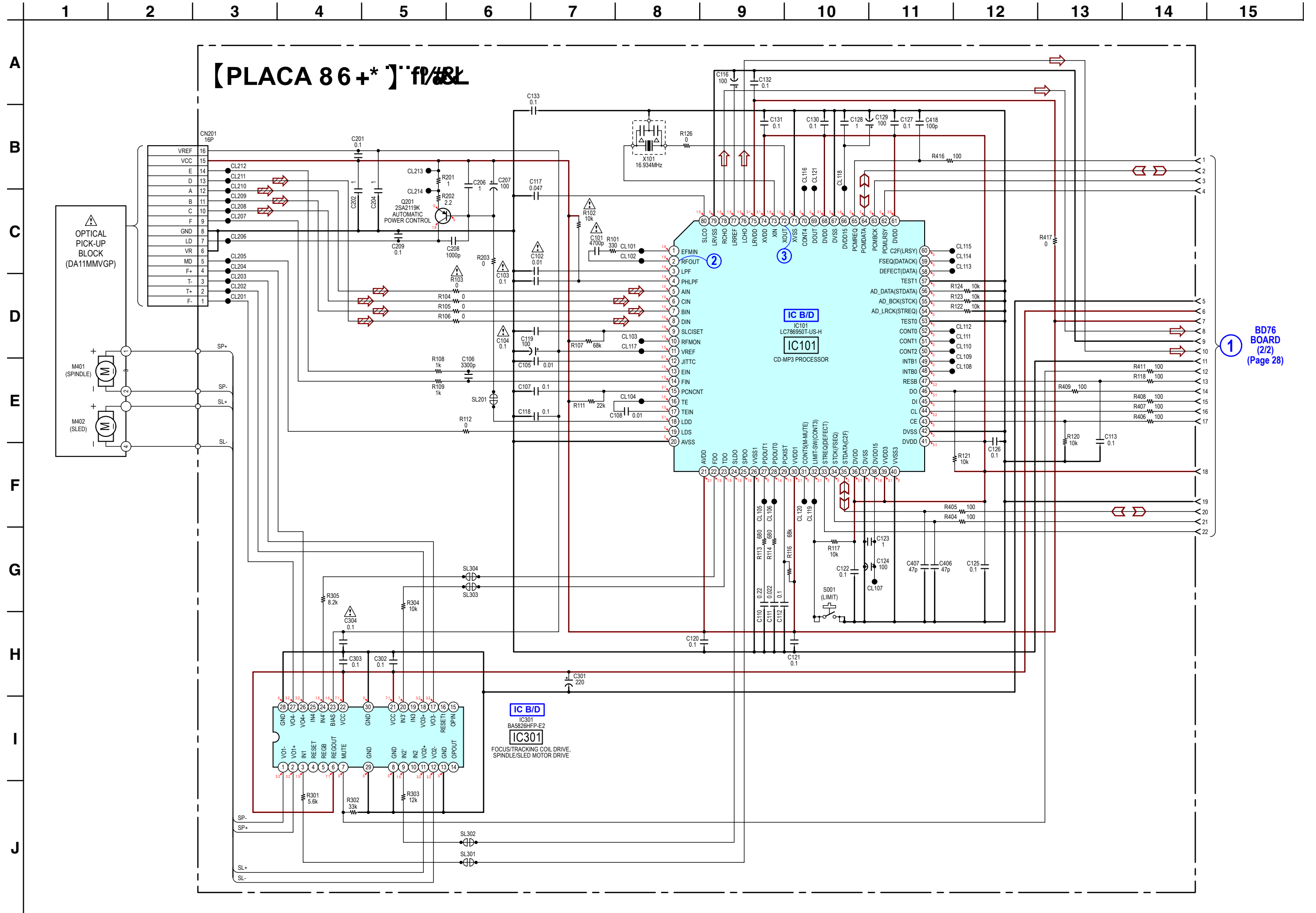
5-6. DIAGRAMA ESQUEMATICO – Placa DISPLAY (2/2) – • See page 37 for IC Block Diagrams.



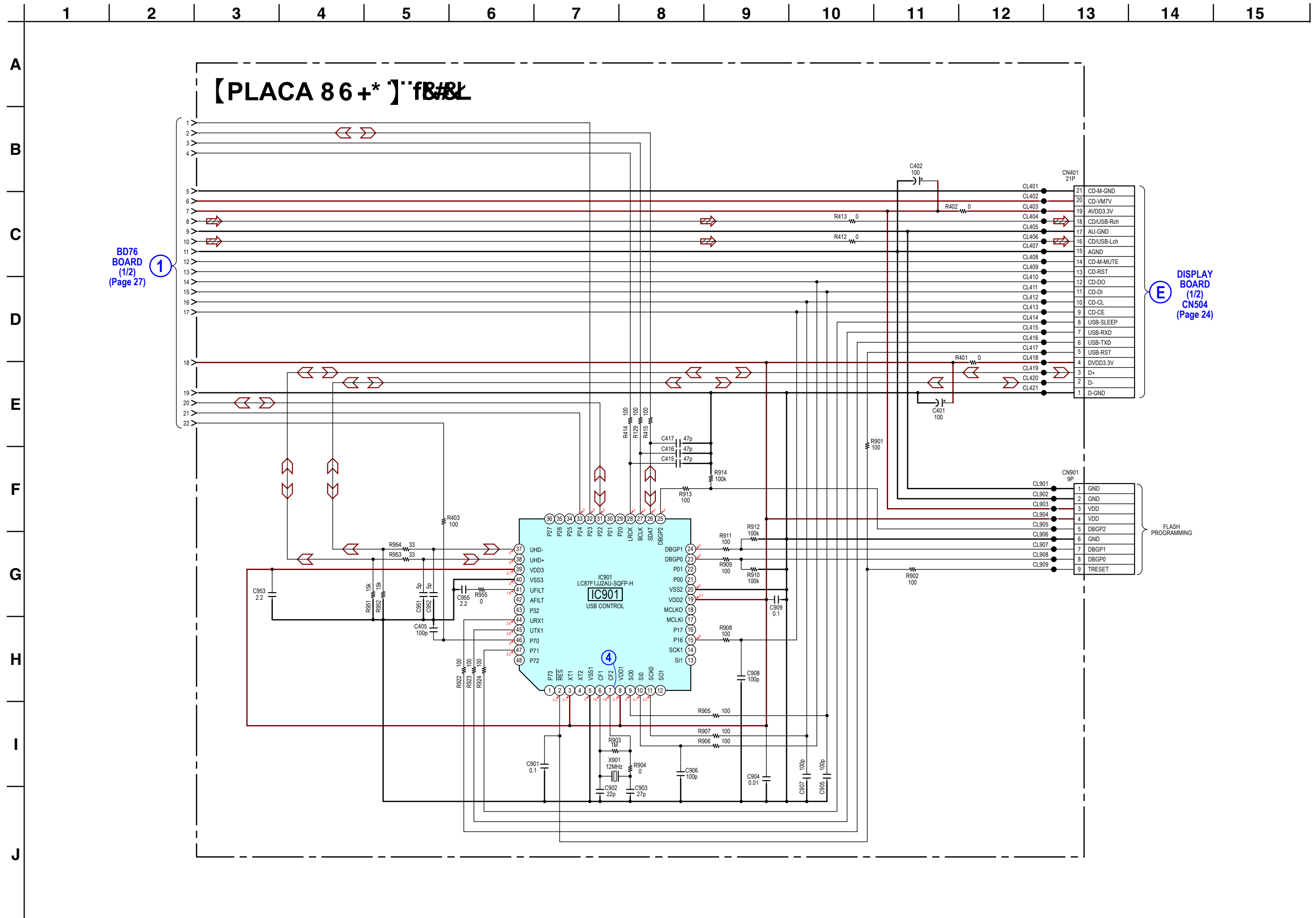
5-7. PLACA DE CIRCUITO IMPRESSO - Placa DB76 - • See page 18 for Circuit Boards Location. • : Uses unleaded solder.



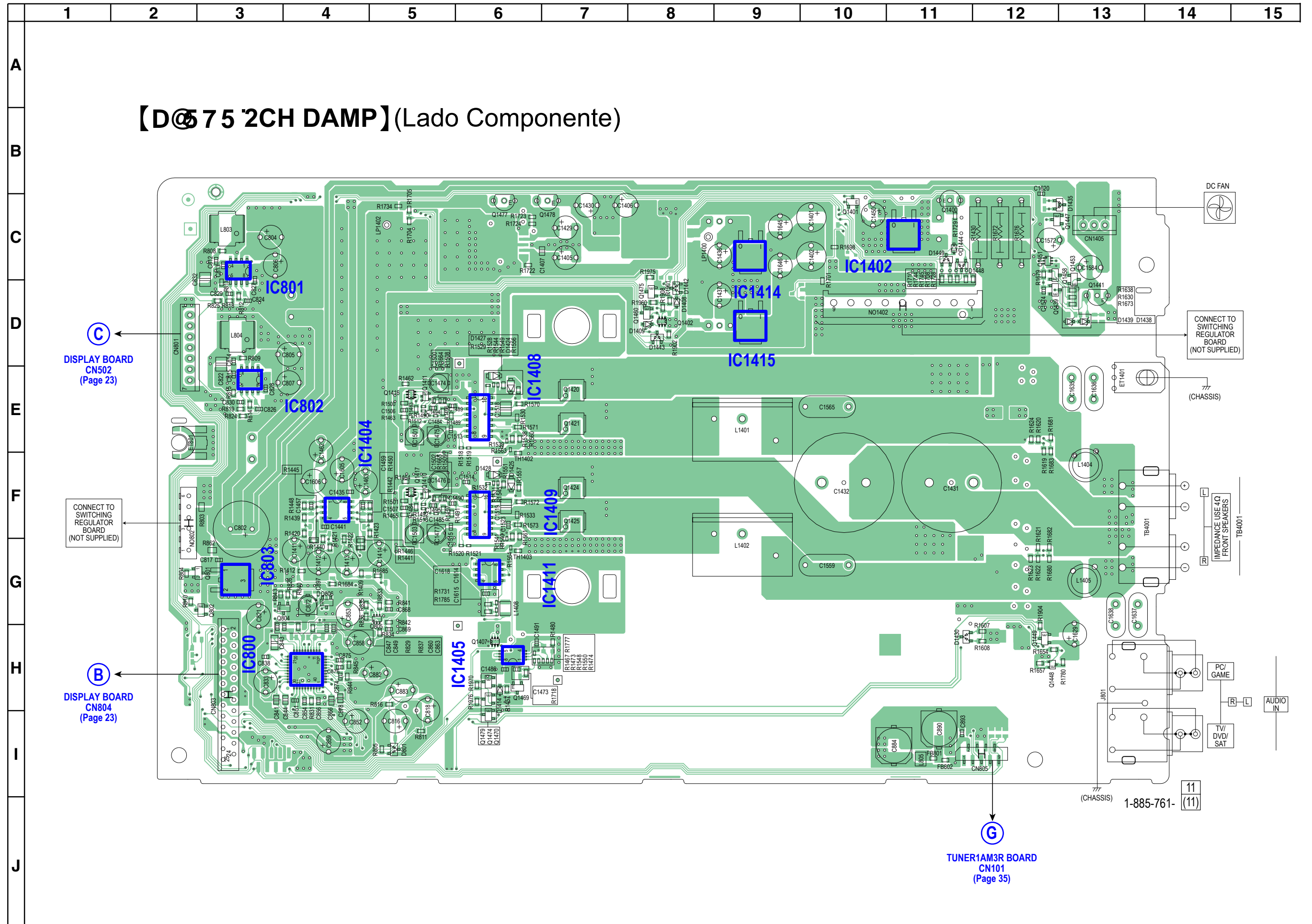
5-8. DIAGRAMA ESQUEMATICO – Placa BD76 (1/2) – • See page 22 for Waveforms. • See page 37 for IC Block Diagrams.



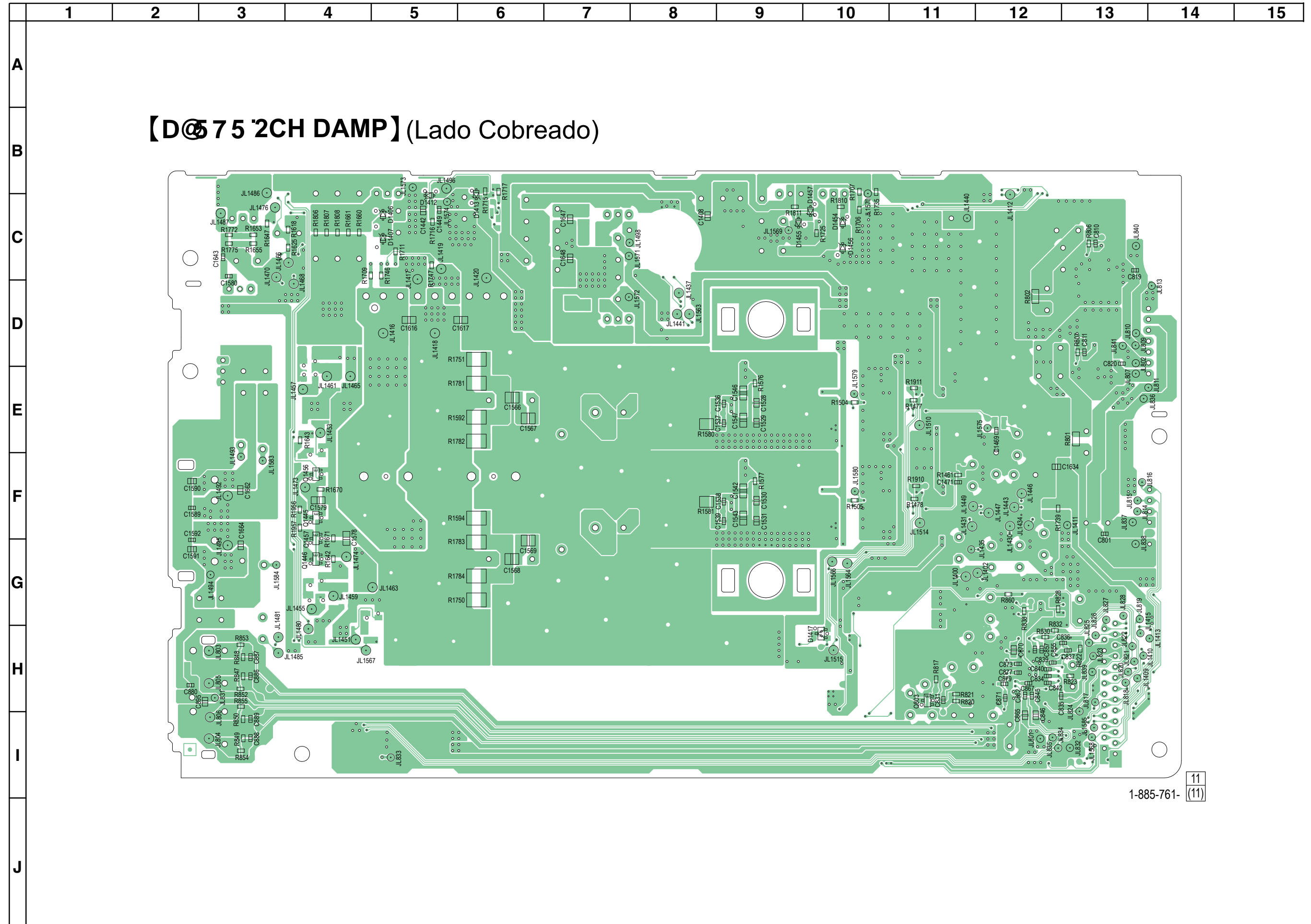
5-9. DIAGRAMA ESQUEMATICO – Placa BD76 (2/2) – • See page 22 for Waveforms.



5-10. PLACA DE CIRCUITO IMPRESSO Placa 2CH DAMP (Componente) – • See page 18 for Circuit Boards Location. • **Lf**: Uses unleaded solder.

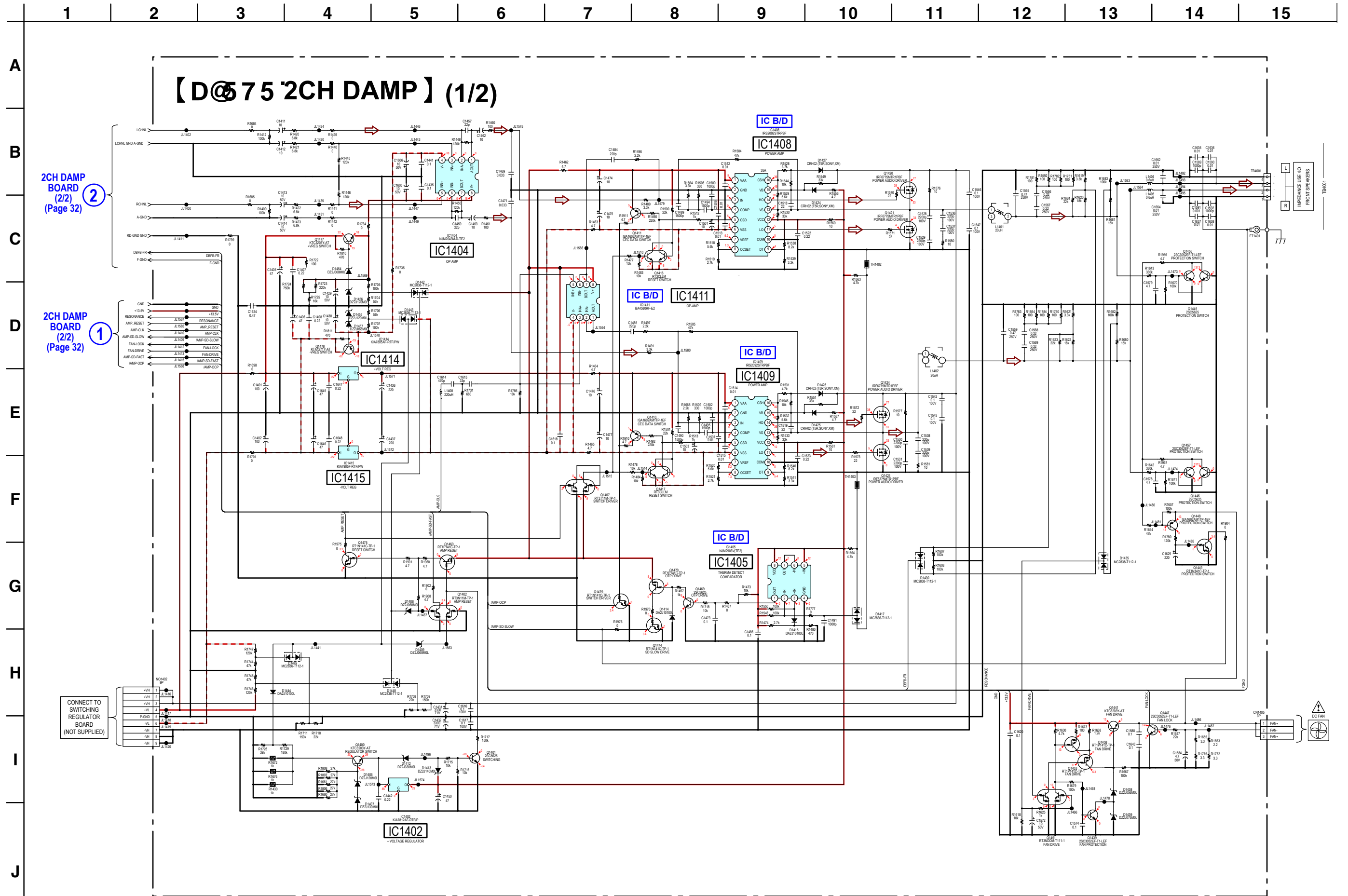


5-11. PLACA DE CIRCUITO IMPRESSO – Placa 2CH DAMP (Lado Cobreado) – • See page 18 for Circuit Boards Location. : Uses unleaded solder.

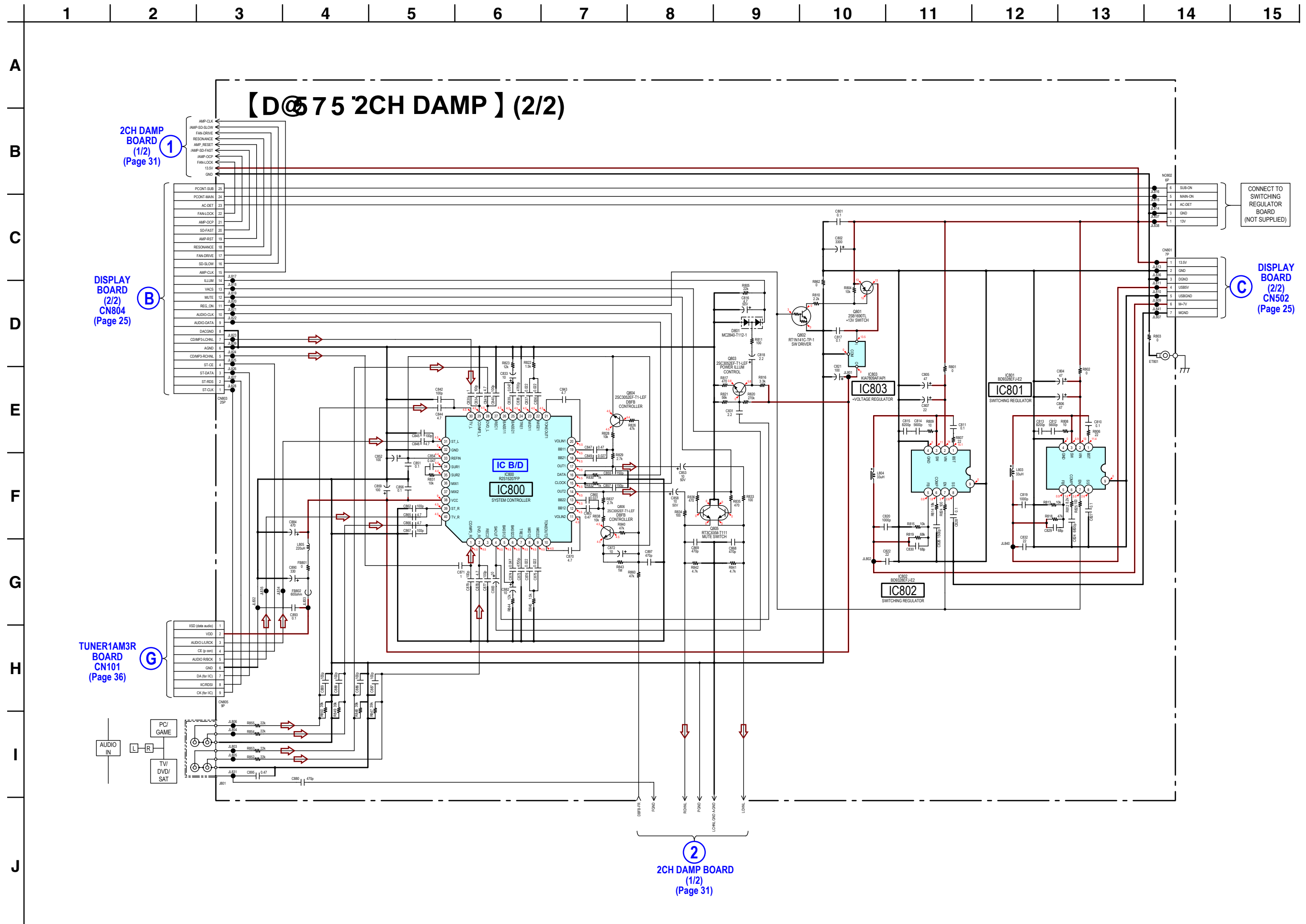


1-885-761-11 (11)

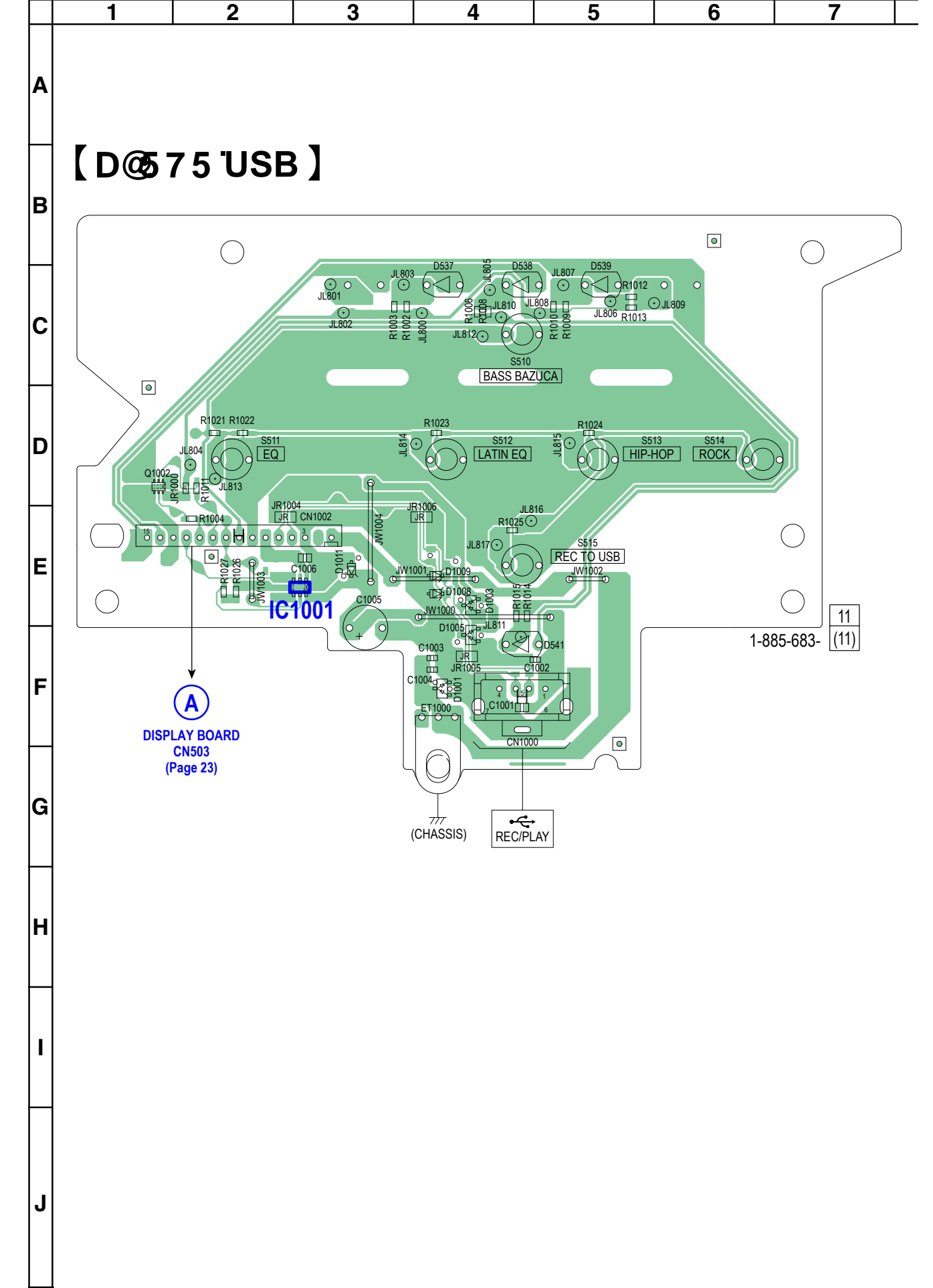
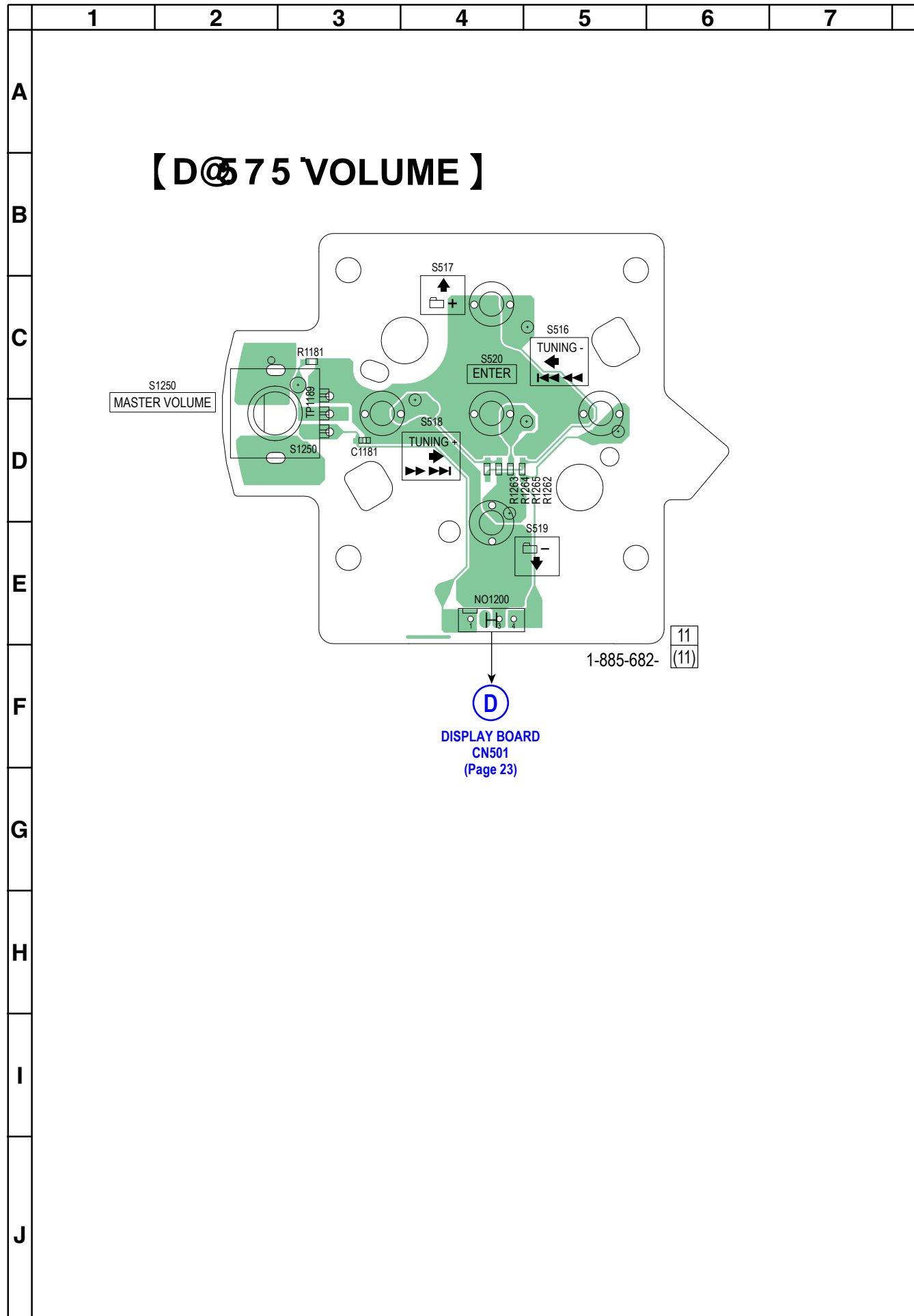
5-12. DIAGRAMA ESQUEMATICO – Placa 2CH DAMP (1/2) – • See page 37 for IC Block Diagrams.



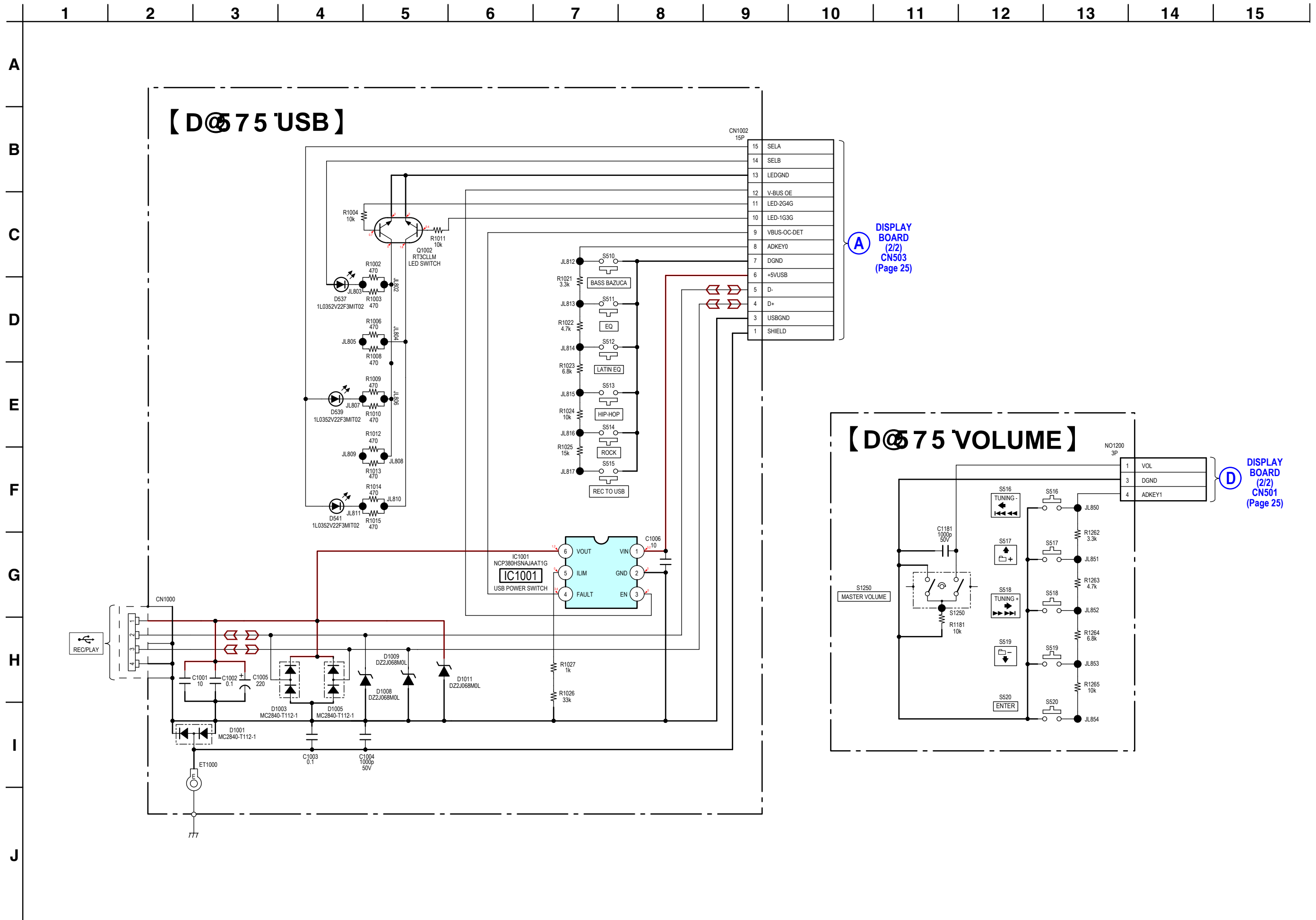
5-13. DIAGRAMA ESQUEMATICO – Placa 2CH DAMP (2/2) – • See page 37 for IC Block Diagrams.



5-14. PLACA DE CIRCUITO IMPRESSO – Placa VOLUME e USB • See page 18 for Circuit Boards Location. • : Uses unleaded solder.

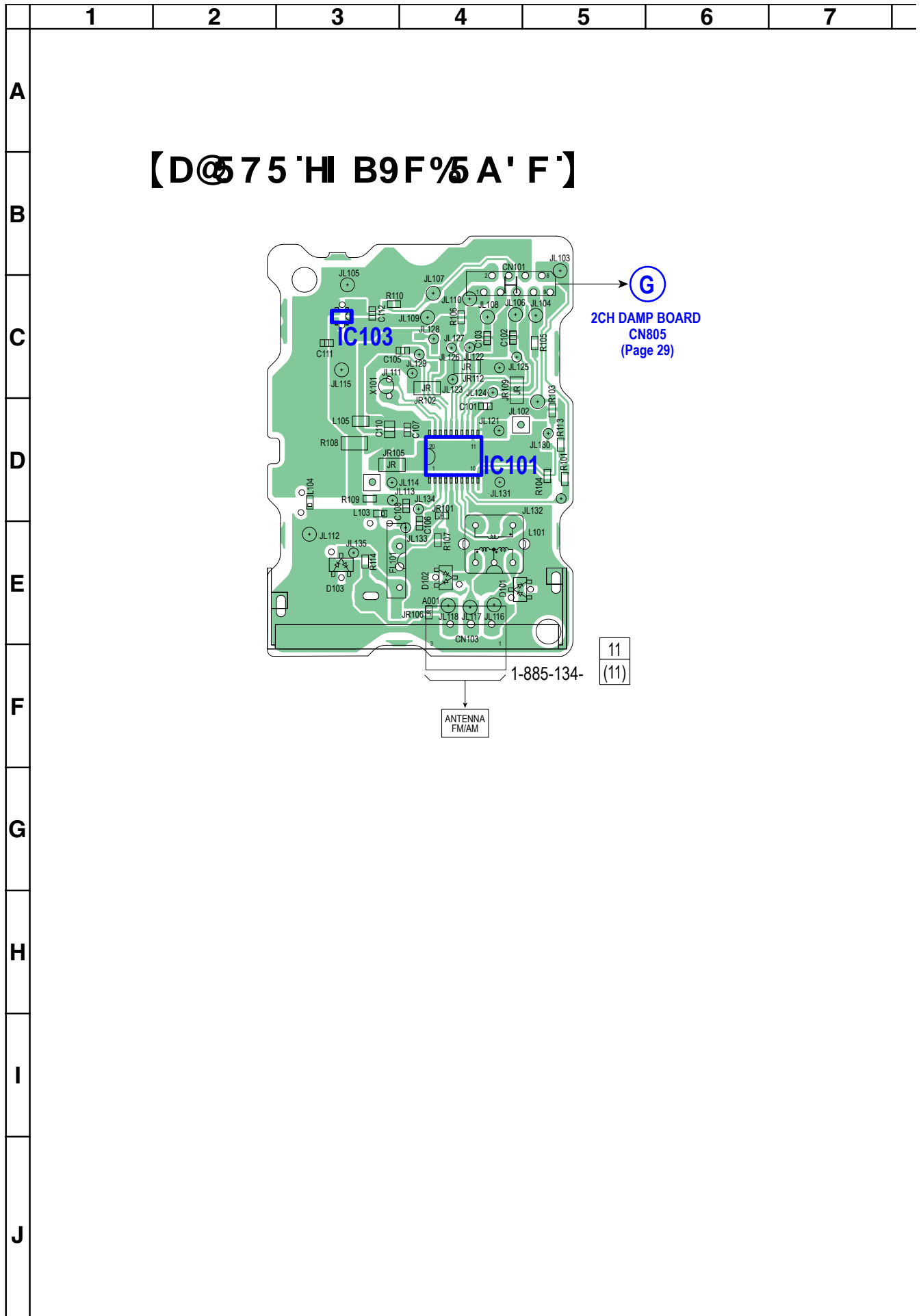


5-15. DIAGRAMA ESQUEMATICO – Placa VOLUME e USB – • See page 37 for IC Block Diagrams.

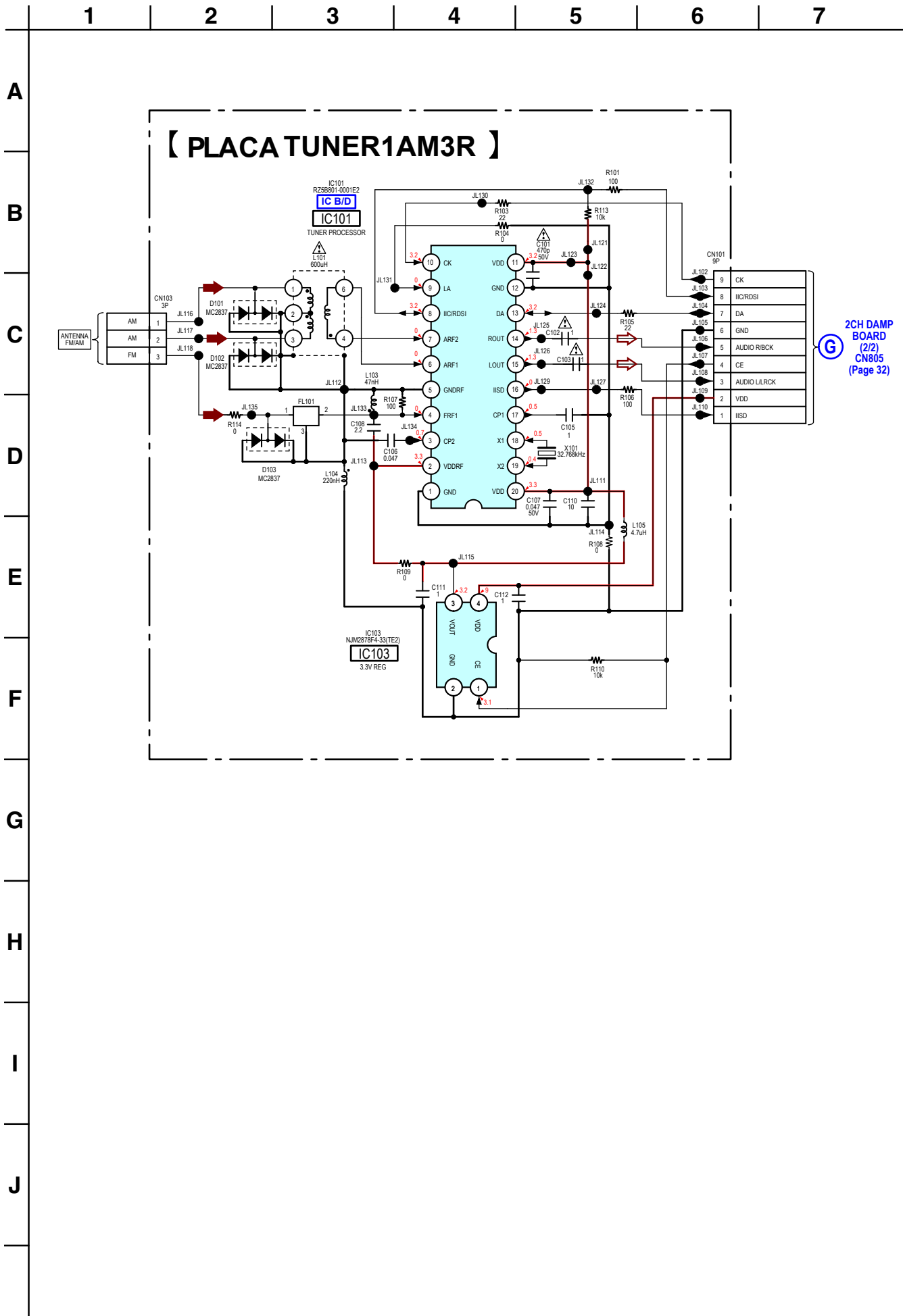


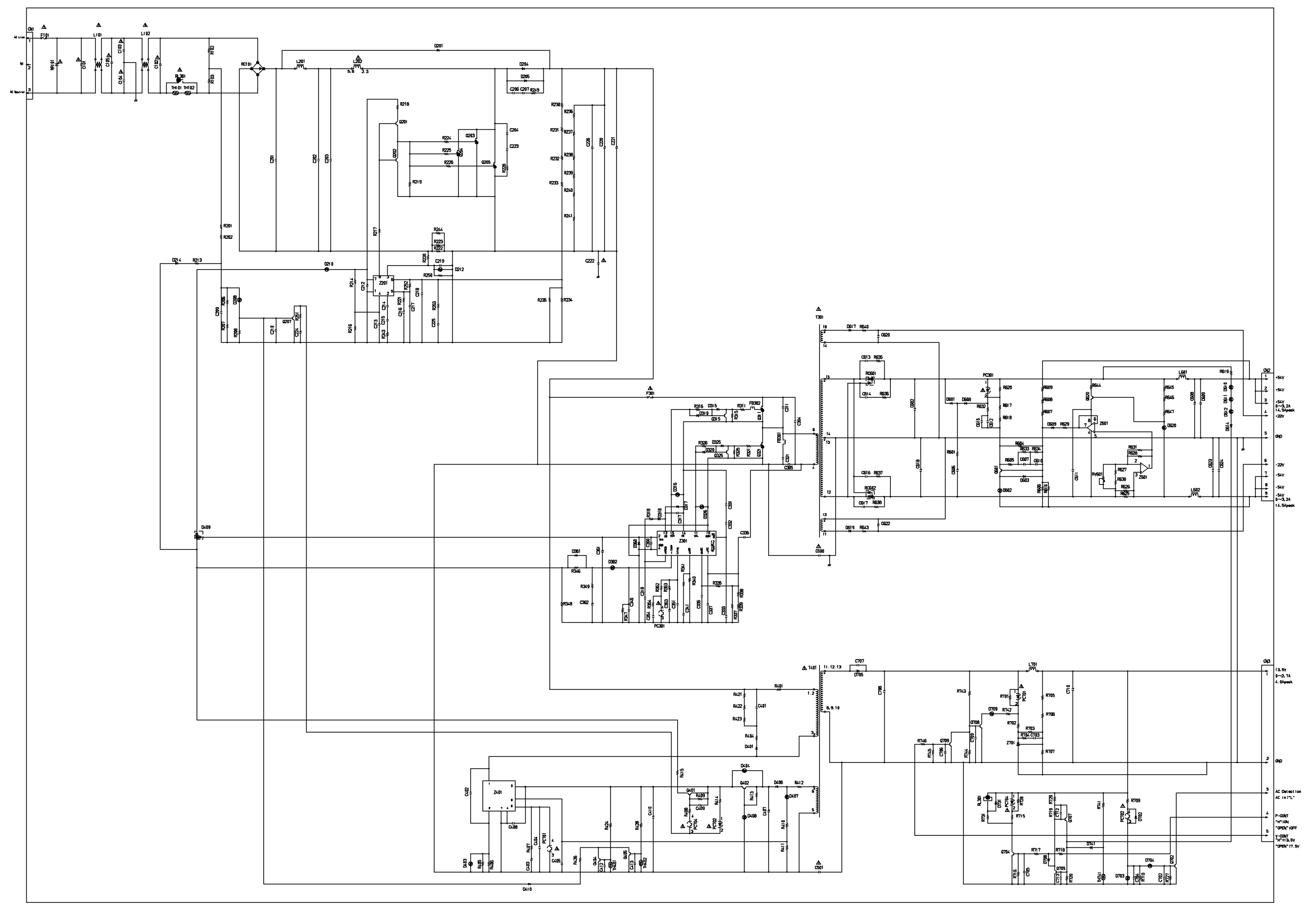
5-16. PLACA DE CIRCUITO IMPRESSO – Placa TUNER1AM3R –

• See page 18 for Circuit Boards Location. • : Uses unleaded solder.



5-17. DIAGRAMA ESQUEMATICO – Placa TUNER1AM3R – • See page 37 for IC Block Diagrams.





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△	Clerical error correction	11・11・25
△	R641, 642, D615, 616, 618, C621 Delete	11・10・6
ASSOC. DWR. NO.		3RD. ANG. PROJ.
関連図番		第3角法
SANKEN ELECTRIC CO., LTD.		DATE
サンケン電気株式会社		日付 11・7・15
		SCALE
		尺度

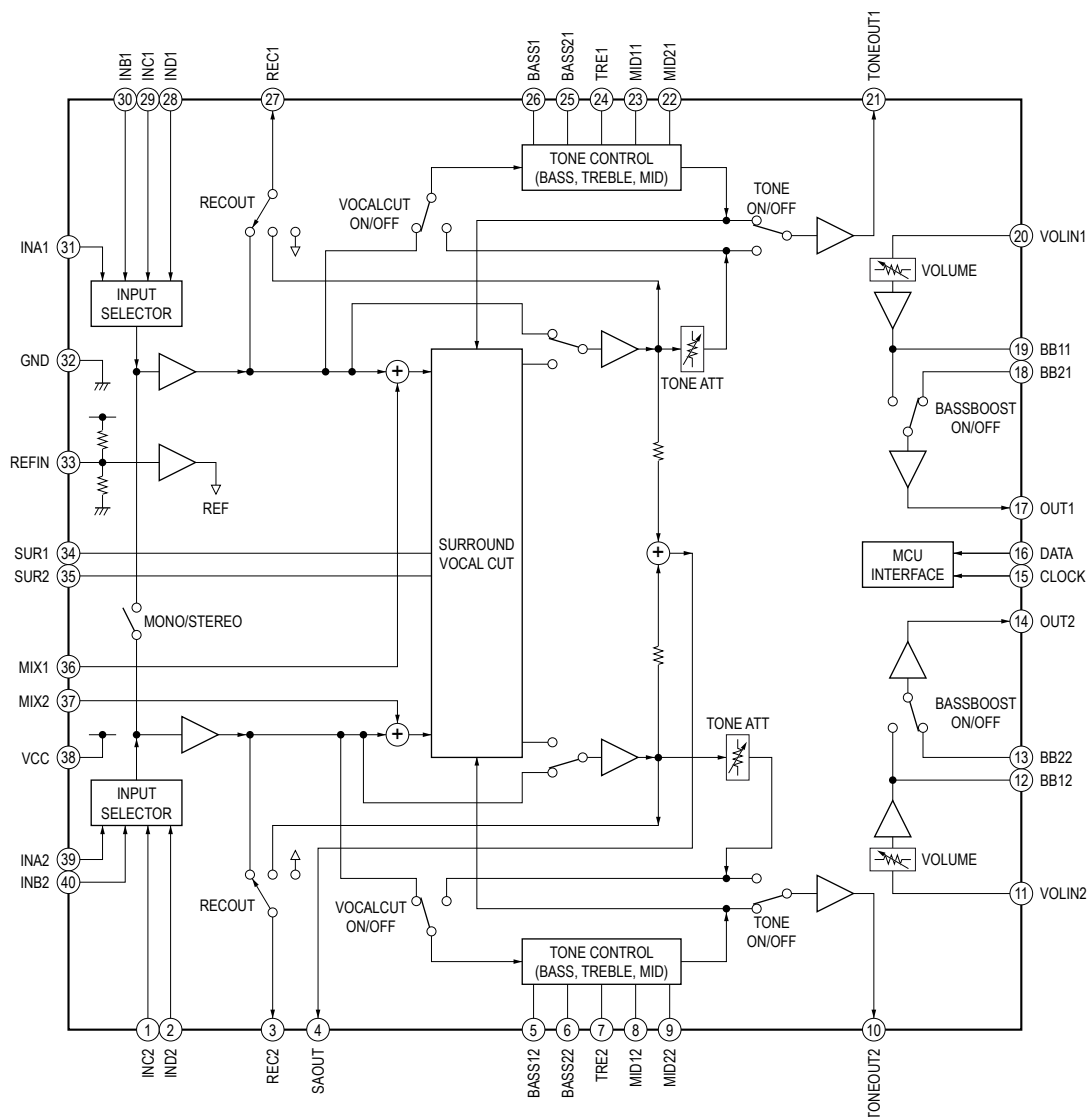
APPROVED BY	承認
	杉浦
CHECKED BY	照査
	内田 匡
DESIGNED BY	設計
	T. Miyahara

TITLE. 名称	CIRCUIT DIAGRAM
	1-490-057-11 (3H384W)
DWG. NO. 図番	CPZ33500-505B

11/11/22 14:09:57 CPZ33500-505B.cir/002.sht
11/11/25 15:56:24 CPZ33500-505B.cir/002.sht

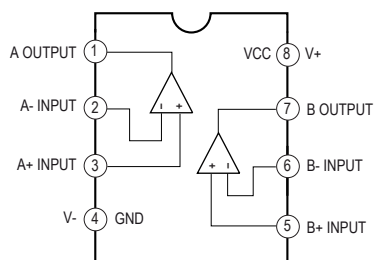
• IC Block Diagrams

IC800 R2S15207FP (2CH DAMP Board (2/2))

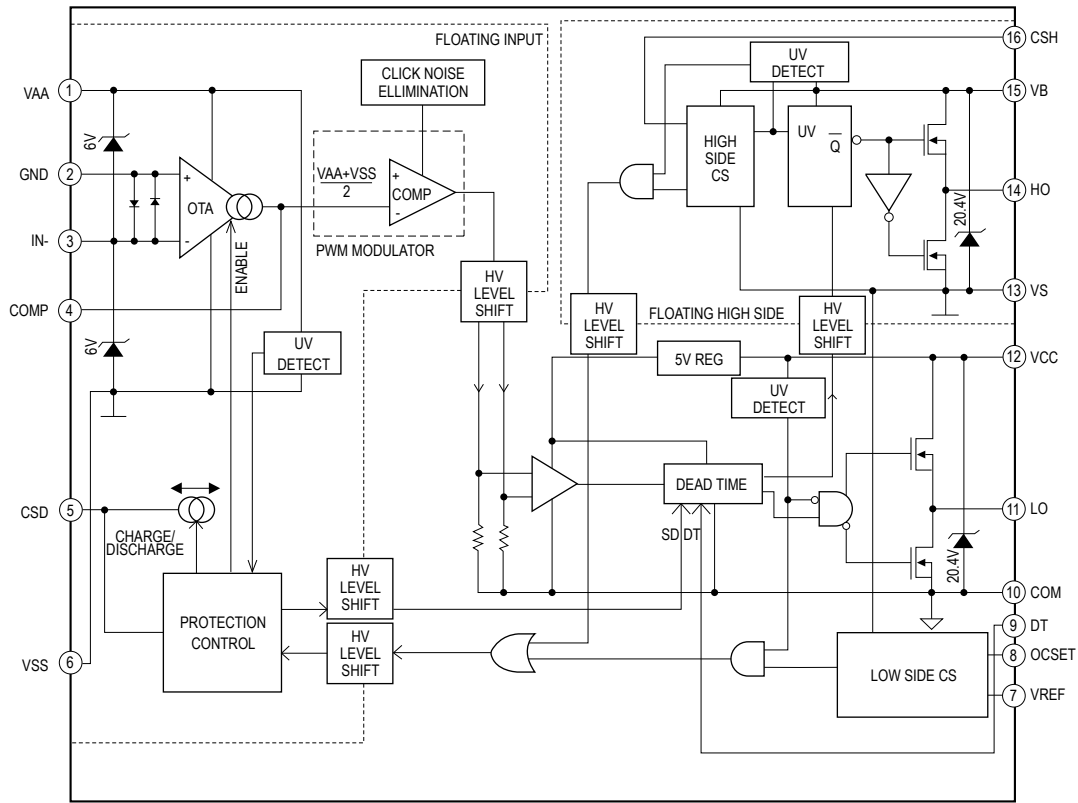


IC1405 NJM2903V (TE2) (2CH DAMP Board (1/2))

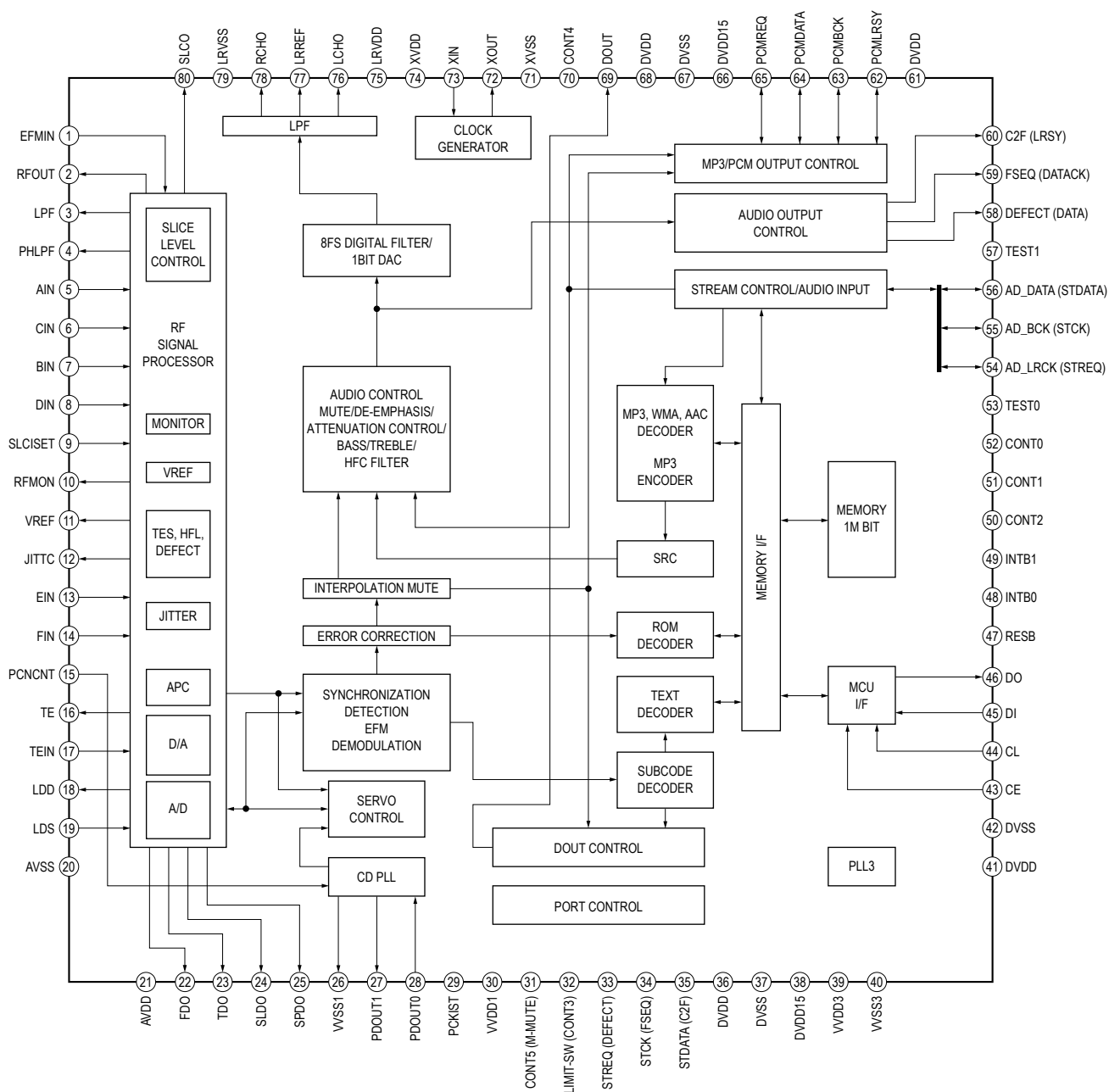
IC1411 BA4580RF-E2 (2CH DAMP Board (1/2))



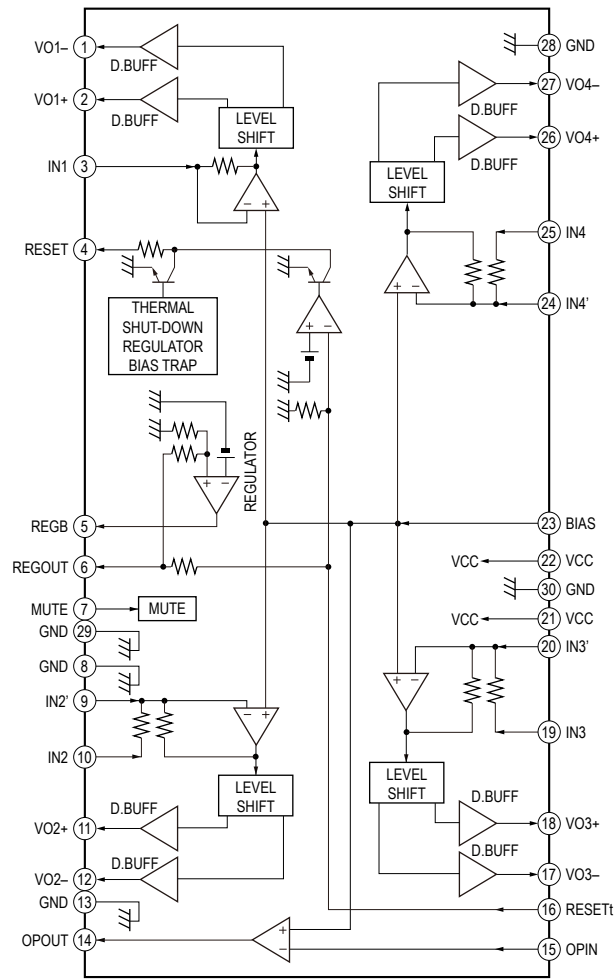
IC1408, IC1409 IRS2092STRPBF (2CH DAMP Board (1/2))



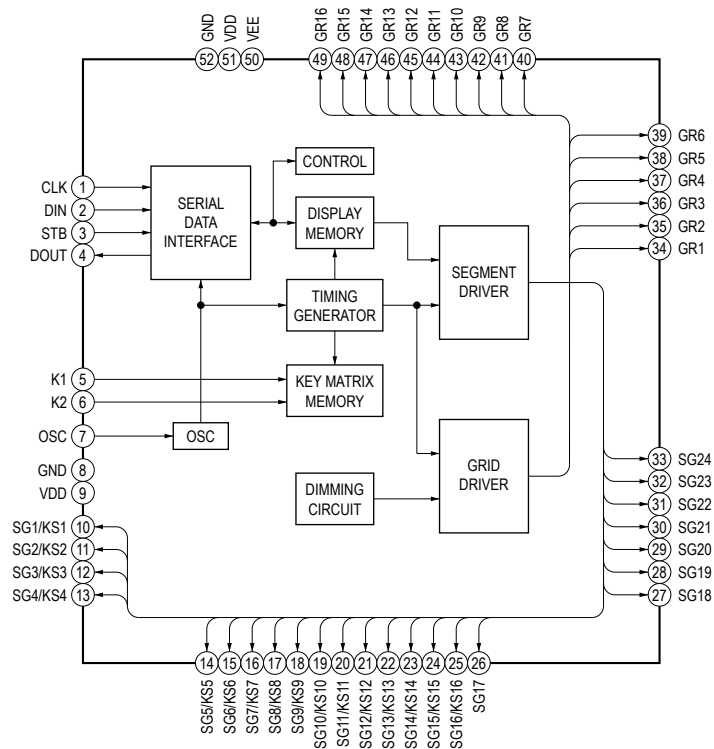
IC101 LC786950T-US-H (BD76 Board (1/2))



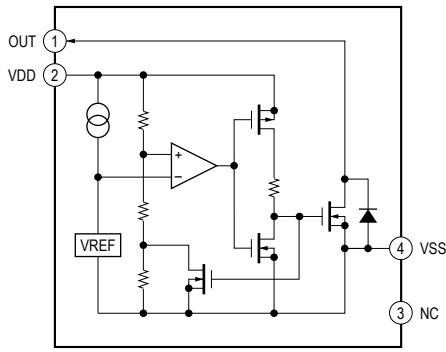
IC301 BA5826HFP-E2 (BD76 Board (1/2))



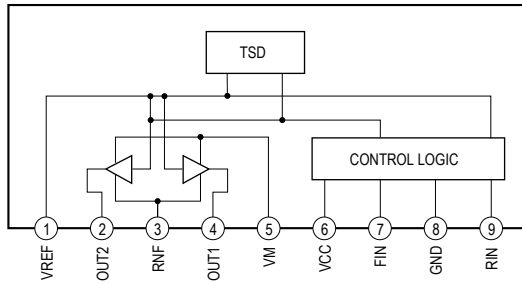
IC503 PT6324-LQ (DISPLAY Board (1/2))



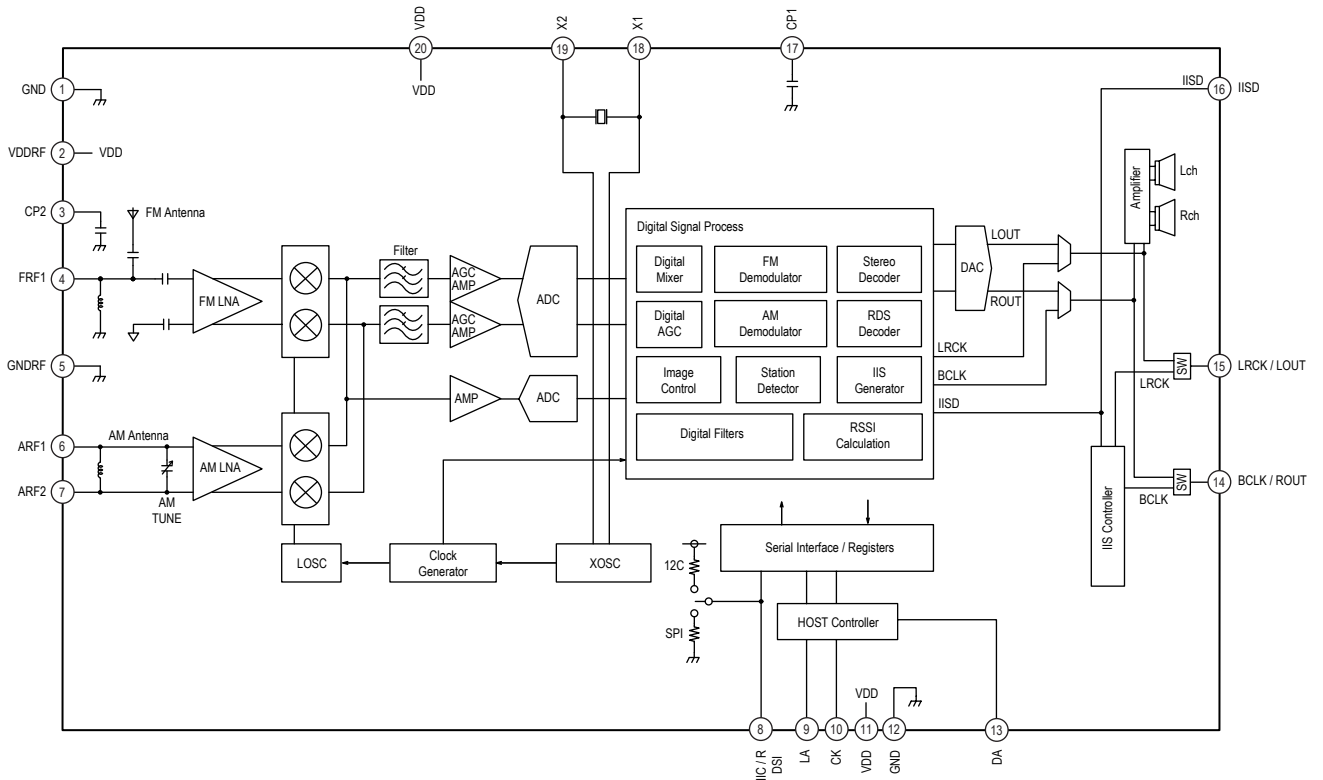
IC504 S-80829CNNB-B8OT2G (DISPLAY Board (1/2))



IC505 BA6956AN (DISPLAY Board (1/2))



IC101 RZ5B801-0002E2 (TUNER1AM3R Board)



• 8 YgW], ~c`XUg`Z b, "Yg`Xcg`D]bcg`Xc`≡

BD76 BOARD (2/2) IC901 LC87F1JJ2AU-SQFP-H (USB CONTROL)

Pin No.	Pin Name	I/O	Description
1	P73	O	Not used. (Open)
2	RES	—	USB control reset pin
3	XT1	—	Not used. (Connect to VDD)
4	XT2	O	Not used. (Open)
5	VSS1	—	Ground
6	CF1	I	Oscillation signal input (12 MHz)
7	CF2	O	Oscillation signal output (12 MHz)
8	VDD1	—	Power supply pin (+3.3 V)
9	SO0	O	CD digital signal processor serial data communication signal output
10	SI0	I	CD digital signal processor serial data communication signal input
11	SCK0	I/O	CD digital signal processor clock communication signal input/output
12	SO1	O	Not used. (Open)
13	SI1	O	Not used. (Open)
14	SCK1	O	Not used. (Open)
15	P16	I	CD digital signal processor enable communication signal input
16	P17	O	Not used. (Open)
17	MCLKI	O	Not used. (Open)
18	MCLKO	O	Not used. (Open)
19	VDD2	—	Power supply pin (+3.3 V)
20	VSS2	—	Ground
21, 22	P00, P01	O	Not used. (Open)
23 to 25	DBGP0 to DBGP2	O	For debugger pin
26	SDAT	I	USB record MP3 serial data signal input
27	BCLK	I	USB record MP3 serial data shift clock signal input
28	LRCK	I	USB record MP3 serial data word clock signal input
29, 30	P20, P21	O	Not used. (Open)
31	P22	O	USB playback serial data signal output
32	P23	O	USB record MP3 serial data request signal output
33	P24	O	USB playback serial data communication clock signal output
34 to 36	P25 to P27	O	Not used. (Open)
37	UHD-	I/O	USB D- serial data input/output
38	UHD+	I/O	USB D+ serial data input/output
39	VDD3	—	Power supply pin (+3.3 V)
40	VSS3	—	Ground
41	UFILT	I	USB interface PLL filter circuit connection pin (Fixed at L in this set)
42	AFILT	O	Not used. (Open)
43	P32	O	Not used. (Open)
44	URX1	I	System controller input communication signal input
45	UTX1	O	System controller output communication signal output
46	P70	I	USB playback serial data request signal input
47	P71	I	USB controller command processing cancel signal input
48	P72	O	Not used. (Open)

PLACA DISPLAY (2/2) IC501 R5F3650KBDFA

Pin No.	Pin Name	I/O	Description
1	FL-DATA	O	Serial data output signal to FL Driver, PT6324
2	FL-CLK	O	Serial data clock signal to FL Driver, PT6324
3	FL-CS	O	Serial data chip select signal to FL Driver, PT6324
4	NO-USE	—	Not Used
5	NO-USE	—	Not Used
6	SIRCS	I	Remote control signal input
7	NO-USE	—	Not Used
8	BYTE	—	Ground terminal
9	CNVSS	—	Ground terminal
10	XC-IN	I	Sub system clock input terminal (32.768kHz)
11	XC-OUT	I	Sub system clock output terminal (32.768kHz)
12	RESET	—	"System reset signal input from the reset signal IC "L": reset After the power supply rises, "L" is input for several hundreds msec and then change to "H".
13	XOUT	—	Main system clock output terminal (8MHz)
14	VSS	—	Ground terminal
15	XIN	—	Main system clock input terminal (8MHz)
16	VCC1	—	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal
18	NO-USE	—	Not Used
19	AC-CUT	I	AC off detection signal input from the reset signal IC "L": AC Cut detected
20	R-TOP-ILLUM-1-3	O	Dynamic LED drive signal output to right top illumination LED. "H":LED on
21	R-TOP-ILLUM-2-4	O	Dynamic LED drive signal output to right top illumination LED. "H":LED on
22	USB-RXD	I	USB RX signal input from the USB control
23	CD-M+	O	CD motor drive (+) signal output for the CD mechanism deck
24	USB-TXD	O	USB TX signal output for the USB control
25	CD-M-	O	CD motor drive (–) signal output for the CD mechanism deck
26	DAMP-CLK	O	Clock output signal to Digital Amp
27	MTR-OPEN	I	Disc tray open detection signal input from the CD mechanism deck
28	MTR-CLOSE	I	Disc tray close detection signal input from the CD mechanism deck
29	NO-USE	—	Not Used
30	NO-USE	—	Not Used
31	SOFT-DEBUG1	—	Not Used
32	SOFT-DEBUG2	—	Not Used
33	SOFT-DEBUG3	—	Not Used
34	SOFT-DEBUG4	—	Not Used
35	CD-DO	O	Clock signal output for the CD-MP3 processor
36	CD-DI	I	Serial data input from the CD-MP3 processor
37	CD-CLK	O	Clock output signal to CD digital signal processor
38	USB-SLEEP	O	Sleep control signal output for the USB control
39	CLOCK-OUTPUT	—	Not Used
40	CD-M-MUTE	O	CD motor drive ON/OFF mute control signal output for the CD motor/coil driver
41	CD-RST	O	System reset signal output for the CD-MP3 processor
42	CD-CE	O	Chip enable signal output for the CD-MP3 processor
43	USB-RST	O	System reset signal output for the USB control
44	CD-M-MUTE	O	Digital power supply control signal output for the CD-MP3 processor
45	FRONT-MUTE	O	Muting Control Switch for Front Speaker. "L": mute on
46	NO-USE	—	Not Used
47	ST-DATA	I/O	Tuner IC: Clock signal for IIC communcation
48	ST-CLK	I/O	Tuner IC: Data signal for IIC communcation
49	ST-CE	O	Tuner IC: Tuner enable input pin
50	ST-RDS	I	Input for RDS Text Detect Signal (L: RDS Detect)
51	AUDIO-DATA	O	Serial data transfer clock signal output to audio signal processor, R2A15216FP
52	AUDIO-CLK	O	Serial data output to audio signal processor, R2A15216FP
53	/FAN-BLOCK DET	I	Fan Block Detection Input Pin. "L": Block On
54	PCONT-PSAVE-PROTECT	O	Main power on/off control signal output "H":power on
55	/SD-SLOW	I	Digital Amp Shutdown Protection Detection Input Pin. "L": Protect on'
56	DAMP-OCF	I	OCF Protect Detection input pin
57	FAN-ENABLE	O	Fan Control Switch "H": fan on

HCD-GPX3G

Pin No.	Pin Name	I/O	Description
58	DAMP-RESET	O	Digital Amp Reset Pin
59	/SD-FAST	I	Power Supply Shutdown Protection Detection Pin. "L": Protect on'
60	PCONT-DAMP	O	Digital Amp Module Power Control Pin. "H": ON
61	PCONT-7V-13.5V	O	13.5V & 7V Power Switch Control pin. "H": 13V
62	VCC	—	Power supply terminal (+3.3V)
63	R-BTTM-ILLUM1-3	O	Dynamic LED drive signal output to right bottom illumination LED. "H":LED on
64	VSS	—	Ground terminal
65	ILLUM	I	Power illuminator input signal detection (A/D input)
66	VACS-IN	I	VACS level detection signal (A/D input)
67	AD-KEY0	I	Key input terminal (A/D input)
68	RESONANCE DET	I	Resonance Protection Detection Pin
69	R-BTTM-ILLUM2-4	O	Dynamic LED drive signal output to right bottom illumination LED. "H":LED on
70	CNTR-ILLUM-1	O	Dynamic LED drive signal output to center illumination LED. "H":LED on
71	NO-USE	—	Not Used
72	NO-USE	—	Not Used
73	CNTR-ILLUM-2	O	Dynamic LED drive signal output to center illumination LED. "H":LED on
74	CNTR-ILLUM-3	O	Dynamic LED drive signal output to center illumination LED. "H":LED on
75	NO-USE	—	Not Used
76	NO-USE	—	Not Used
77	NO-USE	—	Not Used
78	NO-USE	—	Not Used
79	NO-USE	—	Not Used
80	NO-USE	—	Not Used
81	LED-CNTRL	O	Dynamic LED drive select signal output
82	L-BTTM-ILLUM-2-4	O	Dynamic LED drive signal output to left bottom illumination LED. "H":LED on
83	L-BTTM-ILLUM-1-3	O	Dynamic LED drive signal output to left bottom illumination LED. "H":LED on
84	VBUS-OE	O	MTK Vbus Output enable control pin
85	BASS BAZUCA LED	O	Dynamic LED drive signal output to bass bazuca LED. "H":LED on
86	USB-LED	O	Dynamic LED drive signal output to usb LED. "H":LED on
87	VBUS-OC-DET	I	VBUS overcurrent detection signal input (L: abnormal, H: normal)
88	NO-USE	—	Not Used
89	NO-USE	—	Not Used
90	NO-USE	—	Not Used
91	NO-USE	—	Not Used
92	AD-KEY1	I	Key input terminal (A/D input)
93	DEST	I	Destination setting terminal (A/D input)
94	NO-USE	—	Not Used
95	MASTER-VOLUME	I	Jog dial pulse input from the MASTER VOLUME encoder (A/D input)
96	Vss	—	Ground terminal
97	L-TOP-ILLUM-1-3	O	Dynamic LED drive signal output to left top illumination LED. "H":LED on
98	VREF	I	A/D Converter reference voltage input terminal (+3.3V)
99	VCC	—	Power supply terminal (+3.3V)
100	L-TOP-ILLUM-2-4	O	Dynamic LED drive signal output to left top illumination LED. "H":LED on

SEuÇC 6 VISTA EXPLODIDA

Note:

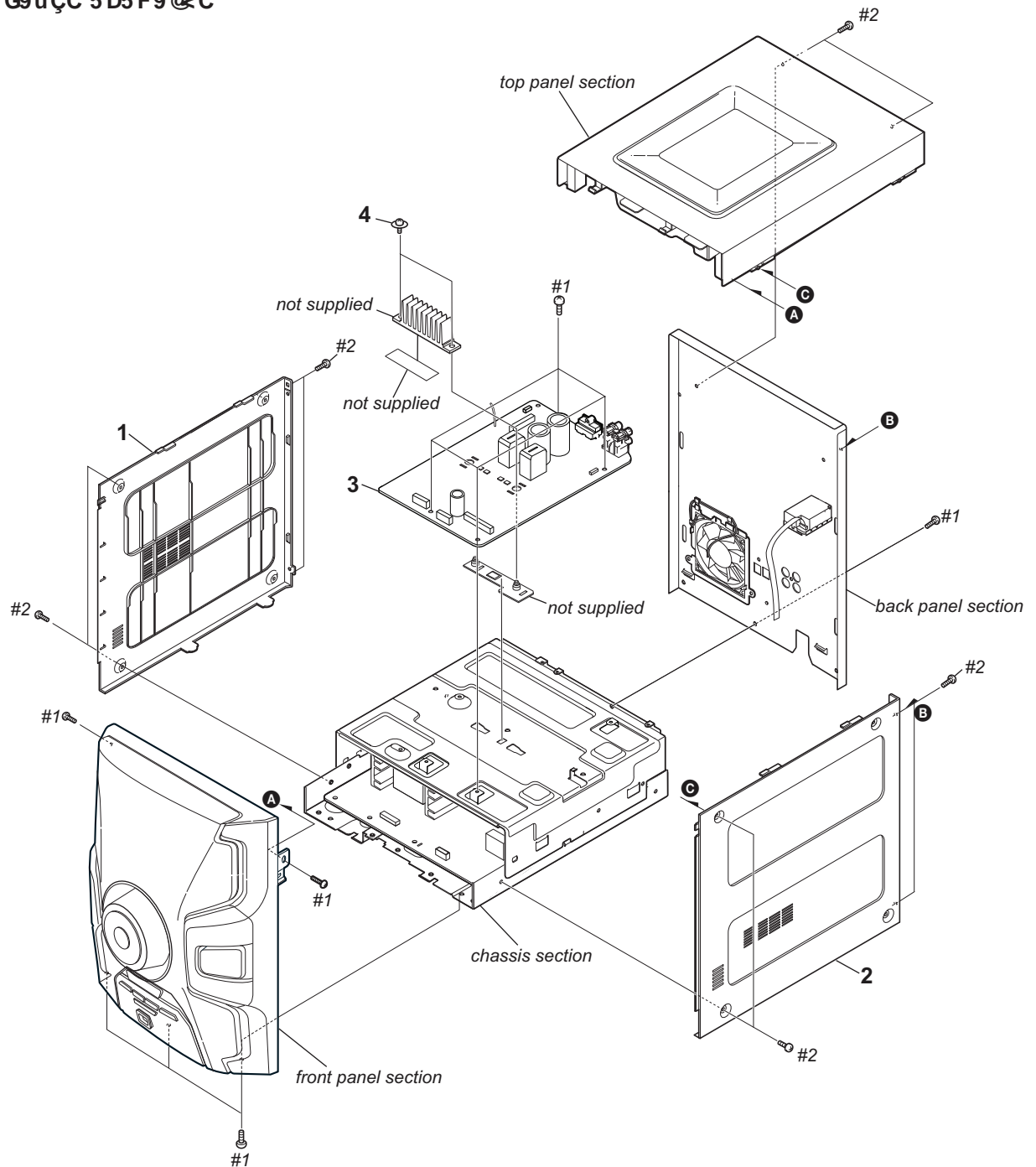
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded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

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

- Abbreviation
E2 : 120V AC area in E model
E51 : Chilean and Peruvian models
MX : Mexican model
BR : Modelo Brasil

5 H9 Bu ÇC 7 CA CG 7 CADCB9 BH9 G'89 G9 ; I F5 Bu 5
COMPONENTES IDENTIFICADOS COM A MARCA Δ
NOS DIAGRAMAS ESQUEMÁTICOS E NA LISTA DE PEÇAS
SÃO CRÍTICOS PARA SEGURANÇA. SOMENTE OS SUBSTITUA
POR PEÇAS NUMERICAMENTE IDENTIFICADAS NESSE MANUAL
QUEM SUPLEMENTOS PUBLICADOS PELA SONY.

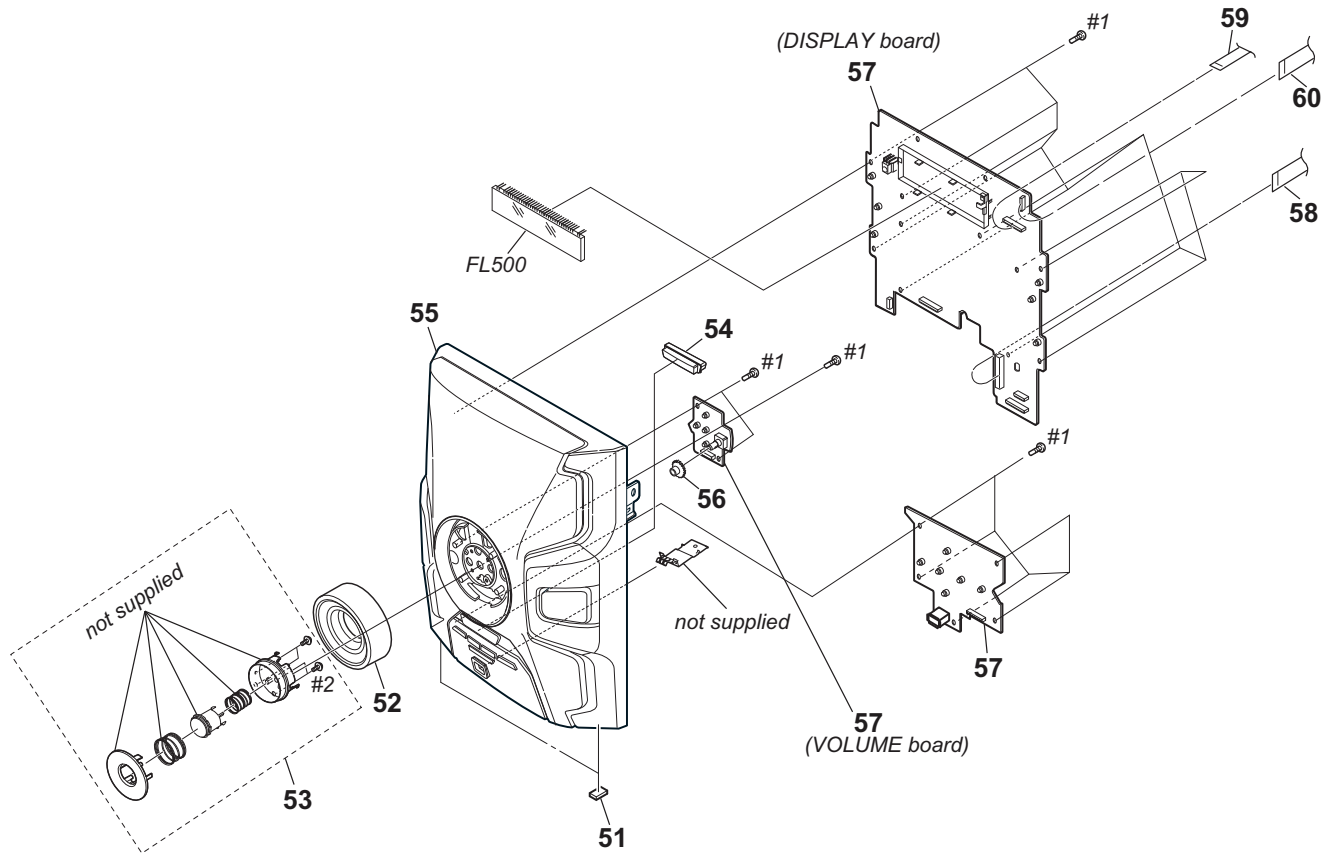
6-1. G9uÇC'5 D5 F9 @-C



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-411-585-01	PANEL, SIDE (L)		#2	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3	
2	4-411-586-01	PANEL, SIDE (R)					
3	Y-8288-025-A	PLACA 2CH DAMP MONTADA					
4	4-435-965-01	SCREW +PTPWH 2.6XL (DIA 8.0)					
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3					

HCD-GPX3G

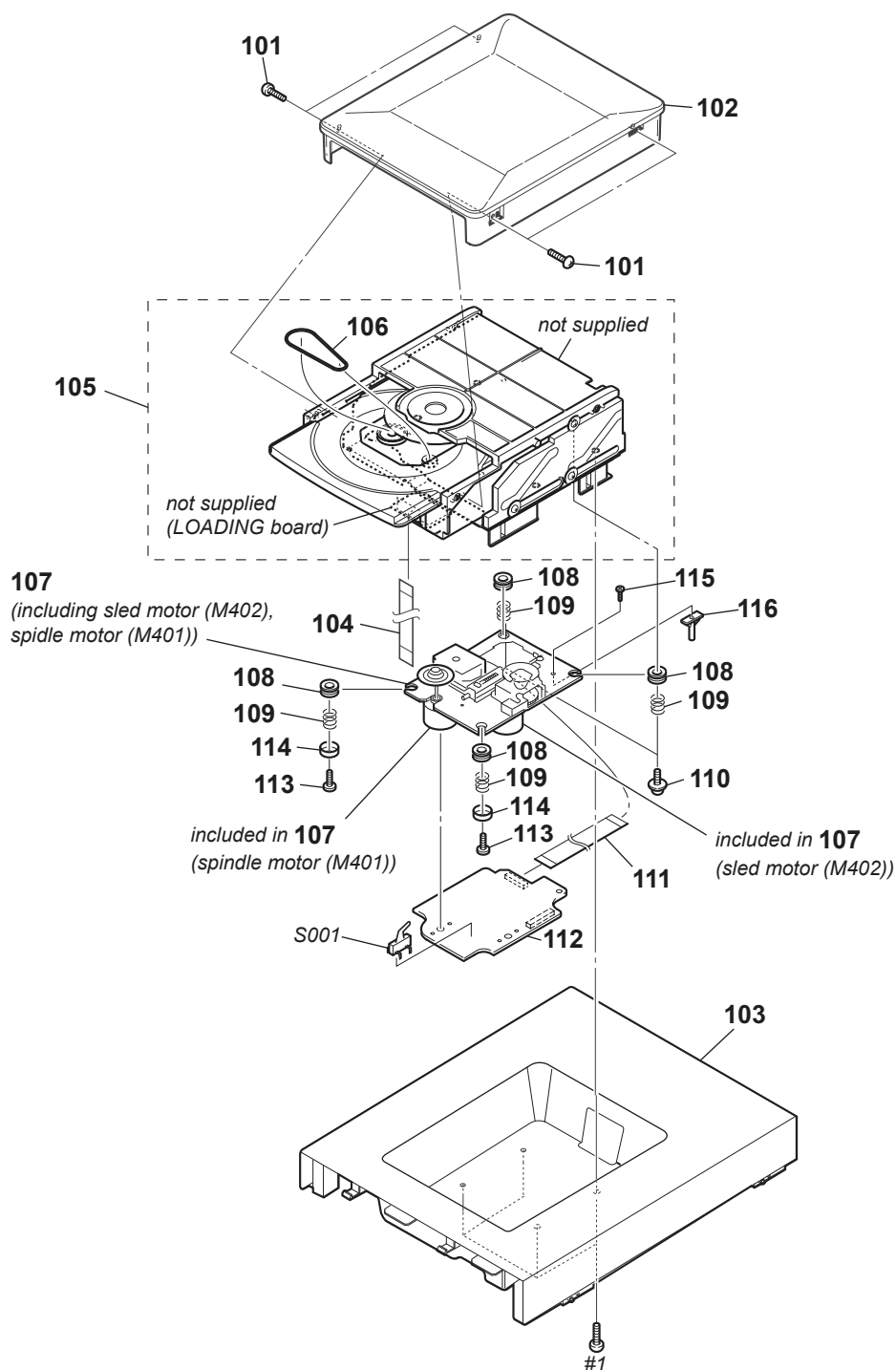
6-2. G9uÇC'D5-B9 @: FCBH5 @



Note: If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

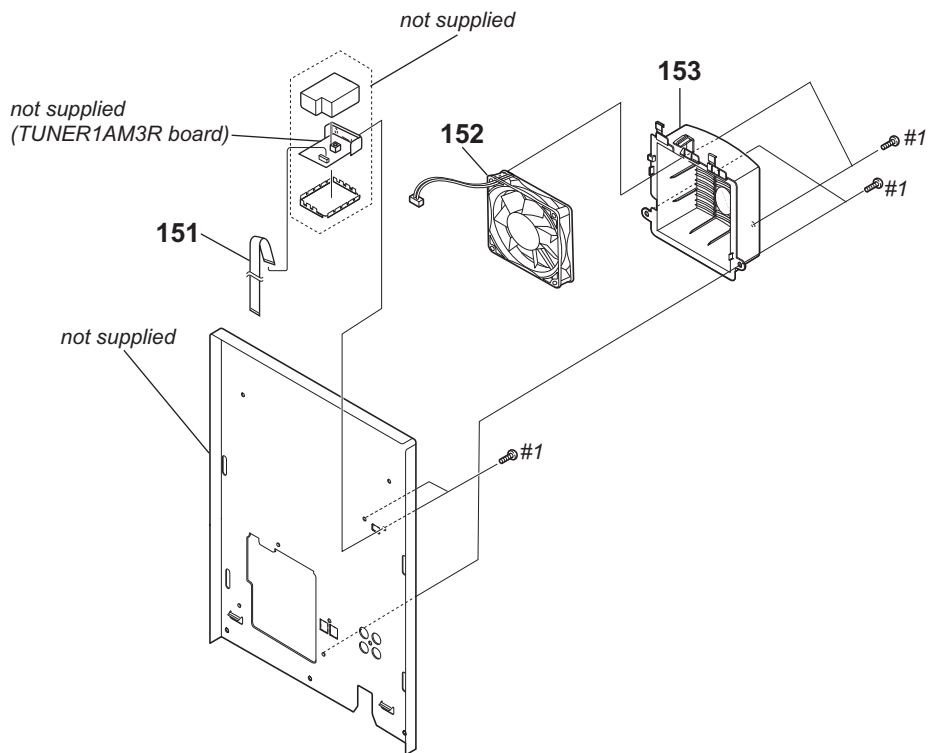
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-176-619-01	FOOT, RUBBER		58	1-837-311-11	WIRE (FLAT TYPE) (25 CORE)	
52	4-411-559-11	KNOB, VOLUME		59	1-828-373-01	WIRE (FLAT TYPE) (21 CORE)	
53	X-2583-419-1	BUTTON, CURSOR ASSY (GPX3)		60	1-828-938-11	WIRE (FLAT TYPE) (5 CORE)	
54	4-411-569-01	BUTTON, BAZUCA		FL500	1-483-424-11	VACUUM FLUORESCENT DISPLAY	
55	X-2583-412-1	PANEL, FRONT ASSY (GPX3)		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
55	Y-8288-027-A	PAINEL FRONTAL MONTADO (GPX3)		#2	7-685-000-12	TAPPING +PWH 2X4 TYPE2 N-S	
56	4-416-934-01	GEAR (ENCODER)					
57	Y-8288-023-A	PCI PRINCIPAL-PAINEL MONTADA (GPX3)					

6-3. G9uÇC'D5-B9 @GI D9F-ÇF



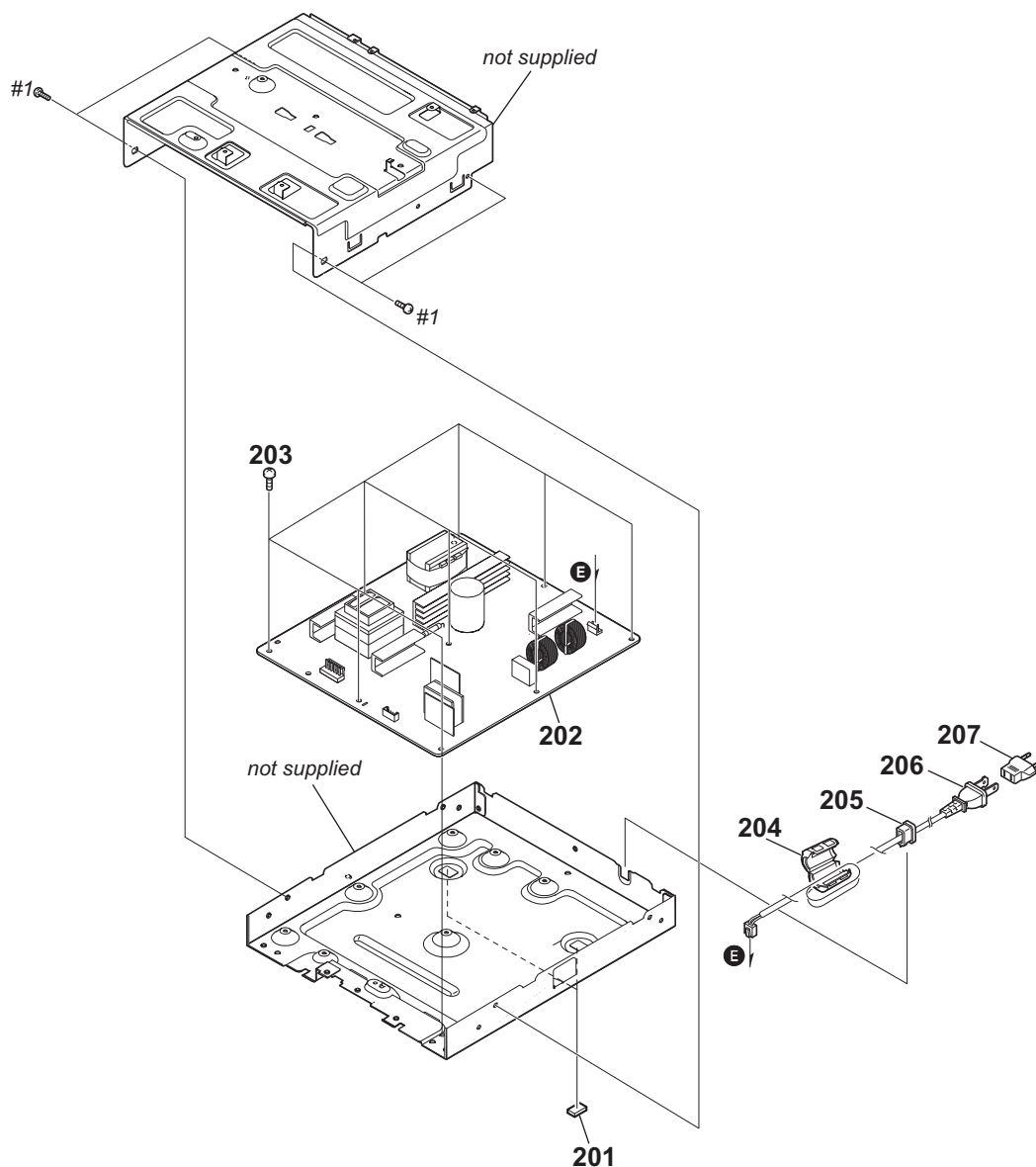
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-253-143-01	SCREW (B2.6), (+) P TAPPING		111	1-834-268-21	WIRE (FLAT TYPE) (16 CORE)	
102	4-411-589-01	PANEL, CDM TOP		112	A-1800-258-A	BD76 BOARD, COMPLETE	
103	4-411-584-01	PANEL, TOP (GPX3)		113	3-087-053-01	+BVTP2.6 (3CR)	
104	1-839-176-21	WIRE (FLAT TYPE) (5CORE)		114	4-231-151-01	STOPPER (BU)	
105	A-1800-608-A	CDM76B ASSY		115	3-080-204-31	SCREW, TAPPING, P2	
106	4-120-079-01	BELT (CDM76)		116	4-166-292-01	SHAFT (SUPPORT)	
△ 107	1-856-037-11	DEVICE, OPTICAL DA11MMVGP		S001	1-771-853-11	SWITCH, DETECTION	
108	4-227-549-11	INSULATOR		#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
109	4-227-045-31	SPRING (INSULATOR), COIL					
110	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING					

6-4. G9uÇC`H5 AD5 `HF 5 G9-F 5



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	1-837-311-11	WIRE (FLAT TYPE) (9 CORE)					
△ 152	1-855-006-11	FAN, DC					
153	4-411-583-02	COVER, FAN					
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3					

6-5. G9uÇC'7<5 GG=



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-176-619-01	FOOT, RUBBER		△ 206	1-837-344-11	CORD, POWER-SUPPLY (E2, MX)	
△ 202	1-490-058-11	REGULATOR, SWITCHING (3H385W)		△ 206	1-838-939-21	CORD, POWER (E51)	
△ 202	Y-8288-055-A	PCI SMPS 3H385W MONTADA (GPX3)		△ 207	1-569-007-12	ADAPTOR, CONVERSION 2P (E2)	
203	2-677-839-01	+PWH 3X8 (SUMITITE)		△ 207	1-843-324-11	ADAPTOR, CONVERSION 2P (E51)	
204	1-457-369-12	CORE, FERRITE		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 205	4-966-267-12	BUSHING (FBS001), CORD					

SEuÇC 7
@GH5 '89 'D9u5 G'ELvTRICAS

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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
uF: µF

- COILS
uH: µH
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: µ, for example:
uA. . : µA. . , uPA. . , µPA. . ,
uPB. . : µPB. . , uPC. . , µPC. . ,
uPD. . : µPD. .

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

- Abbreviation
E2 : 120V AC area in E model
E51 : Chilean and Peruvian models
MX : Mexican model
BR : Modelo Brasil

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1857-975-A	2CH DAMP BOARD, COMPLETE *****		C847	1-125-891-11	CERAMIC CHIP 0.47uF	10% 10V
		< CAPACITOR >		C849	1-118-296-91	CERAMIC CHIP 0.027uF	10% 25V
C801	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C851	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V
C802	1-126-936-11	ELECT 3300uF	20% 16V	C852	1-126-933-11	ELECT 100uF	20% 16V
C804	1-126-947-11	ELECT 47uF	20% 35V	C853	1-126-964-11	ELECT 10uF	20% 50V
C805	1-126-947-11	ELECT 47uF	20% 35V	C854	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V
C806	1-126-947-11	ELECT 47uF	20% 35V	C855	1-164-217-11	CERAMIC CHIP 150PF	5% 50V
C807	1-126-965-91	ELECT 22uF	20% 50V	C856	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V
C810	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C857	1-164-217-11	CERAMIC CHIP 150PF	5% 50V
C811	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C858	1-126-964-11	ELECT 10uF	20% 50V
C812	1-164-172-11	CERAMIC CHIP 0.0056uF	10% 25V	C859	1-126-933-11	ELECT 100uF	20% 16V
C813	1-164-174-11	CERAMIC CHIP 0.0082uF	10% 25V	C860	1-118-296-91	CERAMIC CHIP 0.027uF	10% 25V
C814	1-164-172-11	CERAMIC CHIP 0.0056uF	10% 25V	C862	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C815	1-164-174-11	CERAMIC CHIP 0.0082uF	10% 25V	C863	1-125-891-11	CERAMIC CHIP 0.47uF	10% 10V
C816	1-126-963-11	ELECT 4.7uF	20% 50V	C865	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
C817	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C866	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
C818	1-126-961-11	ELECT 2.2uF	20% 50V	C867	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C819	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C868	1-162-962-11	CERAMIC CHIP 470PF	10% 50V
C820	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C869	1-162-962-11	CERAMIC CHIP 470PF	10% 50V
C821	1-126-933-11	ELECT 100uF	20% 16V	C870	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
C822	1-100-055-21	CERAMIC CHIP 22uF	20% 16V	C871	1-165-908-11	CERAMIC CHIP 1uF	10% 10V
C824	1-162-969-11	CERAMIC CHIP 0.0068uF	10% 25V	C872	1-124-779-00	ELECT CHIP 10uF	20% 16V
C826	1-112-514-91	CERAMIC CHIP 1500PF	5% 50V	C873	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V
C827	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C874	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V
C828	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V	C875	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V
C829	1-162-925-11	CERAMIC CHIP 68PF	5% 50V	C876	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V
C830	1-162-925-11	CERAMIC CHIP 68PF	5% 50V	C877	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C831	1-135-834-91	CERAMIC CHIP 2.2E+06PF	6.3V	C878	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
C832	1-100-055-21	CERAMIC CHIP 22uF	20% 16V	C879	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C833	1-126-964-11	ELECT 10uF	20% 50V	C880	1-162-962-11	CERAMIC CHIP 470PF	10% 50V
C834	1-127-804-91	CERAMIC CHIP 100PF	1% 50V	C882	1-126-964-11	ELECT 10uF	20% 50V
C835	1-165-908-11	CERAMIC CHIP 1uF	10% 10V	C883	1-126-964-11	ELECT 10uF	20% 50V
C836	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V	C884	1-112-794-11	ELECT CHIP 470uF	20% 16V
C837	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V	C886	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C838	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	C887	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C839	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	C888	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C840	1-127-804-91	CERAMIC CHIP 100PF	1% 50V	C889	1-127-804-91	CERAMIC CHIP 100PF	1% 50V
C841	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V	C890	1-112-793-11	ELECT CHIP 330uF	20% 16V
C842	1-127-804-91	CERAMIC CHIP 100PF	1% 50V	C893	1-100-597-91	CERAMIC CHIP 0.1uF	10% 25V
C843	1-127-820-11	CERAMIC CHIP 4.7uF	10% 16V	C895	1-100-565-91	CERAMIC CHIP 0.47uF	10% 35V
C844	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V	C897	1-164-935-11	CERAMIC CHIP 470PF	10% 50V
C845	1-127-804-91	CERAMIC CHIP 100PF	1% 50V	C1401	1-126-948-11	ELECT 100uF	20% 35V
C846	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V	C1402	1-126-948-11	ELECT 100uF	20% 35V
				C1405	1-126-947-11	ELECT 47uF	20% 35V
				C1406	1-126-947-11	ELECT 47uF	20% 35V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1407	1-137-909-91	CERAMIC CHIP 0.22uF	10% 35V	C1547	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V
C1408	1-137-909-91	CERAMIC CHIP 0.22uF	10% 35V	C1559	1-116-881-11	FILM 0.47uF	5% 250V
C1411	1-126-964-11	ELECT 10uF	20% 50V	C1565	1-116-881-11	FILM 0.47uF	5% 250V
C1412	1-126-964-11	ELECT 10uF	20% 50V	C1566	1-116-908-21	CERAMIC CHIP 0.22uF	10% 250V
C1413	1-126-964-11	ELECT 10uF	20% 50V	C1567	1-116-908-21	CERAMIC CHIP 0.22uF	10% 250V
C1414	1-126-964-11	ELECT 10uF	20% 50V	C1568	1-116-908-21	CERAMIC CHIP 0.22uF	10% 250V
C1429	1-126-964-11	ELECT 10uF	20% 50V	C1569	1-116-908-21	CERAMIC CHIP 0.22uF	10% 250V
C1430	1-126-964-11	ELECT 10uF	20% 50V	C1572	1-126-964-11	ELECT 10uF	20% 50V
C1431	1-127-813-11	ELECT (BLOCK) 3300uF	20% 71V	C1574	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V
C1432	1-127-813-11	ELECT (BLOCK) 3300uF	20% 71V	C1578	1-127-820-11	CERAMIC CHIP 4.7uF	10% 16V
C1435	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C1579	1-127-820-11	CERAMIC CHIP 4.7uF	10% 16V
C1436	1-126-923-91	ELECT 220uF	20% 10V	C1580	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V
C1437	1-126-923-91	ELECT 220uF	20% 10V	C1584	1-126-963-11	ELECT 4.7uF	20% 50V
C1441	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C1589	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V
C1442	1-137-909-91	CERAMIC CHIP 0.22uF	10% 35V	C1592	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V
C1450	1-126-947-11	ELECT 47uF	20% 35V	C1605	1-126-964-11	ELECT 10uF	20% 50V
C1457	1-162-919-11	CERAMIC CHIP 22PF	5% 50V	C1606	1-126-964-11	ELECT 10uF	20% 50V
C1459	1-162-919-11	CERAMIC CHIP 22PF	5% 50V	C1614	1-164-935-11	CERAMIC CHIP 470PF	10% 50V
C1462	1-126-964-11	ELECT 10uF	20% 50V	C1615	1-164-862-81	CERAMIC CHIP 33PF	5% 50V
C1463	1-126-964-11	ELECT 10uF	20% 50V	C1616	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V
C1469	1-100-436-91	CERAMIC CHIP 0.033uF	10% 25V	C1617	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V
C1471	1-100-436-91	CERAMIC CHIP 0.033uF	10% 25V	C1618	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C1473	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C1620	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V
C1474	1-124-779-00	ELECT CHIP 10uF	20% 16V	C1629	1-126-923-91	ELECT 220uF	20% 10V
C1475	1-124-779-00	ELECT CHIP 10uF	20% 16V	C1634	1-100-565-91	CERAMIC CHIP 0.47uF	10% 35V
C1476	1-124-779-00	ELECT CHIP 10uF	20% 16V	C1643	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V
C1477	1-124-779-00	ELECT CHIP 10uF	20% 16V	C1645	1-126-947-11	ELECT 47uF	20% 35V
C1484	1-164-933-11	CERAMIC CHIP 220PF	10% 50V	C1646	1-126-947-11	ELECT 47uF	20% 35V
C1485	1-164-933-11	CERAMIC CHIP 220PF	10% 50V	C1647	1-137-909-91	CERAMIC CHIP 0.22uF	10% 35V
C1486	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C1648	1-137-909-91	CERAMIC CHIP 0.22uF	10% 35V
C1489	1-112-514-91	CERAMIC CHIP 1500PF	5% 50V	C1662	1-100-761-21	CERAMIC CHIP 0.01uF	10% 250V
C1490	1-112-514-91	CERAMIC CHIP 1500PF	5% 50V	C1664	1-100-761-21	CERAMIC CHIP 0.01uF	10% 250V
C1491	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V			< CONNECTOR >	
C1494	1-112-514-91	CERAMIC CHIP 1500PF	5% 50V				
C1495	1-112-514-91	CERAMIC CHIP 1500PF	5% 50V	* CN801	1-564-510-11	PLUG, CONNECTOR 7P	
C1500	1-112-692-11	CERAMIC CHIP 1000PF	5% 50V	CN803	1-784-786-11	CONNECTOR, FFC 25P	
C1501	1-124-779-00	ELECT CHIP 10uF	20% 16V	CN805	1-820-112-51	CONNECTOR, FFC/FPC 9P	
C1502	1-112-692-11	CERAMIC CHIP 1000PF	5% 50V	* CN1405	1-564-506-11	PLUG, CONNECTOR 3P	
C1503	1-124-779-00	ELECT CHIP 10uF	20% 16V			< DIODE >	
C1506	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V				
C1507	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V	D801	6-500-848-01	DIODE MC2840-T112-1	
C1512	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V	D1406	6-503-026-01	DI DZ2J120M0L	
C1513	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V	D1407	6-503-028-01	DI DZ2J130M0L	
C1514	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V	D1408	6-502-970-01	DI DZ2J068M0L	
				D1409	6-502-970-01	DI DZ2J068M0L	
C1515	1-107-726-91	CERAMIC CHIP 0.01uF	10% 16V				
C1518	1-114-236-21	CERAMIC CHIP 22uF	10% 25V	D1412	6-503-042-01	DI DZ2J330M0L	
C1519	1-114-236-21	CERAMIC CHIP 22uF	10% 25V	D1413	6-502-974-01	DI DZ2J140M0L	
C1522	1-127-715-11	CERAMIC CHIP 0.22uF	10% 16V	D1414	6-502-961-01	DI DA2J10100L	
C1523	1-127-715-11	CERAMIC CHIP 0.22uF	10% 16V	D1415	6-502-961-01	DI DA2J10100L	
				D1417	6-500-334-01	DIODE MC2836-T112-1	
C1528	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V				
C1529	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V	D1424	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
C1530	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V	D1425	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
C1531	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V	D1427	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
C1536	1-100-153-91	CERAMIC CHIP 220PF	5% 100V	D1428	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
				D1430	6-500-335-01	DIODE MC2838-T112-1	
C1537	1-100-153-91	CERAMIC CHIP 220PF	5% 100V				
C1538	1-100-153-91	CERAMIC CHIP 220PF	5% 100V	D1435	6-500-335-01	DIODE MC2838-T112-1	
C1539	1-100-153-91	CERAMIC CHIP 220PF	5% 100V	D1438	6-502-966-01	DI DZ2J056M0L	
C1542	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V	D1439	6-503-017-01	DI DZ2J075M0L	
C1543	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V	D1442	6-500-335-01	DIODE MC2838-T112-1	
				D1443	6-500-334-01	DIODE MC2836-T112-1	
C1546	1-100-623-91	CERAMIC CHIP 0.1uF	10% 100V				

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2CH DAMP

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D1444	6-502-961-01	DI DA2J10100L		Q1421	6-552-698-01	TR IRF6775MTR1PBF	
D1448	6-500-335-01	DIODE MC2838-T112-1		Q1424	6-552-698-01	TR IRF6775MTR1PBF	
D1449	6-500-334-01	DIODE MC2836-T112-1		Q1425	6-552-698-01	TR IRF6775MTR1PBF	
D1454	6-502-970-01	DI DZ2J068M0L		Q1439	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D1455	6-503-026-01	DI DZ2J120M0L		Q1441	8-729-036-86	TRANSISTOR KTC3203Y-AT	
D1456	6-503-026-01	DI DZ2J120M0L		Q1445	6-551-268-01	TRANSISTOR 2SC5625	
D1457	6-502-970-01	DI DZ2J068M0L		Q1446	6-551-268-01	TRANSISTOR 2SC5625	
		< EARTH TERMINAL >		Q1447	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
* ET801	1-780-408-11	TERMINAL, LUG		Q1448	6-551-699-01	TR ISA1602AM1-T111-1EF	
ET1401	1-537-771-21	TERMINAL BOARD, GROUND		Q1449	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
		< FERRITE BEAD >		Q1451	6-552-681-01	TR RT3NDDM-T111-1	
FB801	1-216-864-11	SHORT CHIP 0		Q1453	8-729-027-23	TRANSISTOR DTA114EKA-T146	
FB802	1-414-445-11	FERRITE, EMI (SMD) (1608)		Q1456	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
		< IC >		Q1457	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
IC800	6-709-331-01	IC R2S15207FP		Q1458	8-729-027-23	TRANSISTOR DTA114EKA-T146	
IC801	6-717-880-01	IC BD9328EFJ-E2		Q1460	8-729-027-23	TRANSISTOR DTA114EKA-T146	
IC802	6-717-880-01	IC BD9328EFJ-E2		Q1469	6-551-268-01	TRANSISTOR 2SC5625	
IC803	6-715-078-01	IC KIA7809AF/API		Q1470	8-729-027-23	TRANSISTOR DTA114EKA-T146	
IC1402	6-717-191-01	IC KIA7812AF-RTF/PW		Q1474	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
IC1404	8-759-700-09	IC NJM2043M-D		Q1475	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
IC1405	8-759-338-95	IC NJM2903V (TE2)		Q1477	8-729-036-86	TRANSISTOR KTC3203Y-AT	
IC1408	6-716-579-01	IC IRS2092STRPBF		Q1478	8-729-037-13	TRANSISTOR KTA1271Y	
IC1409	6-716-579-01	IC IRS2092STRPBF		Q1479	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
IC1411	6-717-488-01	IC BA4580RF-E2				< RESISTOR >	
IC1414	6-717-138-01	IC KIA7805AF-RTF/PW		R801	1-216-296-11	SHORT CHIP 0	
IC1415	6-717-136-01	IC KIA7905F-RTF/PW		R802	1-216-296-11	SHORT CHIP 0	
		< JACK >		R803	1-216-295-91	SHORT CHIP 0	
J801	1-794-981-11	JACK, PIN 4P (AUDIO IN)		R804	1-216-833-11	METAL CHIP 10K 5%	1/10W
		< COIL >		R805	1-216-837-11	METAL CHIP 22K 5%	1/10W
L803	1-481-903-11	INDUCTOR 33uH		R806	1-216-801-11	METAL CHIP 22 5%	1/10W
L804	1-481-903-11	INDUCTOR 33uH		R807	1-216-801-11	METAL CHIP 22 5%	1/10W
L805	1-414-406-11	INDUCTOR 220uH		R808	1-216-797-11	METAL CHIP 10 5%	1/10W
L1401	1-481-841-11	INDUCTOR 20uH		R809	1-216-797-11	METAL CHIP 10 5%	1/10W
L1402	1-481-841-11	INDUCTOR 20uH		R810	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
L1404	1-457-078-11	AIR-CORE COIL		R811	1-216-809-11	METAL CHIP 100 5%	1/10W
L1405	1-457-078-11	AIR-CORE COIL		R812	1-216-832-11	METAL CHIP 8.2K 5%	1/10W
L1408	1-414-406-11	INDUCTOR 220uH		R813	1-216-833-11	METAL CHIP 10K 5%	1/10W
		< TRANSISTOR >		R814	1-216-836-11	METAL CHIP 18K 5%	1/10W
Q801	6-551-451-01	TRANSISTOR 2SB1690TL		R815	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q802	8-729-038-23	TRANSISTOR RT1N141C-TP-1		R816	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
Q803	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R817	1-216-817-11	METAL CHIP 470 5%	1/10W
Q804	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R818	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q805	6-552-867-01	TR RT3CXXM-T111		R819	1-216-843-11	METAL CHIP 68K 5%	1/10W
Q806	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R820	1-216-850-11	METAL CHIP 270K 5%	1/10W
Q1400	8-729-036-86	TRANSISTOR KTC3203Y-AT		R821	1-216-842-11	METAL CHIP 56K 5%	1/10W
Q1401	6-551-268-01	TRANSISTOR 2SC5625		R822	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
Q1402	6-551-690-01	TRANSISTOR RT3N11M-TP-1		R823	1-216-834-11	METAL CHIP 12K 5%	1/10W
Q1407	6-551-693-01	TRANSISTOR RT3T11M-TP-1		R824	1-216-809-11	METAL CHIP 100 5%	1/10W
Q1410	6-551-699-01	TR ISA1602AM1-T111-1EF		R825	1-216-809-11	METAL CHIP 100 5%	1/10W
Q1411	6-551-699-01	TR ISA1602AM1-T111-1EF		R826	1-216-841-11	METAL CHIP 47K 5%	1/10W
Q1416	6-551-272-01	TRANSISTOR RT3CLLM		R828	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q1417	6-551-272-01	TRANSISTOR RT3CLLM		R829	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
Q1420	6-552-698-01	TR IRF6775MTR1PBF		R830	1-216-821-11	METAL CHIP 1K 5%	1/10W
				R831	1-216-833-11	METAL CHIP 10K 5%	1/10W
				R832	1-216-821-11	METAL CHIP 1K 5%	1/10W
				R833	1-216-809-11	METAL CHIP 100 5%	1/10W
				R834	1-216-809-11	METAL CHIP 100 5%	1/10W
				R835	1-216-817-11	METAL CHIP 470 5%	1/10W
				R836	1-216-817-11	METAL CHIP 470 5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R837	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R1512	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R838	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1513	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R840	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1518	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R841	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1519	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R842	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1520	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R843	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1521	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R844	1-216-834-11	METAL CHIP	12K	5%	1/10W	R1528	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R845	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1529	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R847	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1530	1-216-839-11	METAL CHIP	33K	5%	1/10W
R848	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1531	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R849	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1532	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R850	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1533	1-216-839-11	METAL CHIP	33K	5%	1/10W
R852	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1538	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R853	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1539	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R854	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1540	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R855	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1541	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R860	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1544	1-218-965-11	METAL CHIP	10K	5%	1/16W
R862	1-216-295-91	SHORT CHIP	0			R1545	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1409	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1548	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1412	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1549	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1420	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R1550	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1421	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R1551	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1422	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R1556	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1423	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R1557	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1430	1-215-892-11	METAL OXIDE	1K	5%	2W	R1560	1-216-797-11	METAL CHIP	10	5%	1/10W
R1439	1-216-864-11	SHORT CHIP	0			R1561	1-216-797-11	METAL CHIP	10	5%	1/10W
R1440	1-216-864-11	SHORT CHIP	0			R1563	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1441	1-216-864-11	SHORT CHIP	0			R1564	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1442	1-216-864-11	SHORT CHIP	0			R1570	1-216-801-11	METAL CHIP	22	5%	1/10W
R1445	1-216-846-11	METAL CHIP	120K	5%	1/10W	R1571	1-216-801-11	METAL CHIP	22	5%	1/10W
R1446	1-216-846-11	METAL CHIP	120K	5%	1/10W	R1572	1-216-801-11	METAL CHIP	22	5%	1/10W
R1448	1-216-846-11	METAL CHIP	120K	5%	1/10W	R1573	1-216-801-11	METAL CHIP	22	5%	1/10W
R1450	1-216-846-11	METAL CHIP	120K	5%	1/10W	R1576	1-216-797-11	METAL CHIP	10	5%	1/10W
R1457	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1577	1-216-797-11	METAL CHIP	10	5%	1/10W
R1460	1-216-809-11	METAL CHIP	100	5%	1/10W	R1580	1-250-312-21	METAL CHIP	10	5%	1/2W
R1461	1-216-809-11	METAL CHIP	100	5%	1/10W	R1581	1-250-312-21	METAL CHIP	10	5%	1/2W
R1462	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R1592	1-227-869-21	METAL CHIP	100	5%	1/2W
R1463	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R1594	1-227-869-21	METAL CHIP	100	5%	1/2W
R1464	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1465	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R1608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1467	1-218-990-81	SHORT CHIP	0			R1618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1473	1-218-965-11	METAL CHIP	10K	5%	1/16W	R1619	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1474	1-218-958-11	METAL CHIP	2.7K	5%	1/16W	R1620	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1477	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1621	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1478	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1622	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1480	1-218-839-11	METAL CHIP	470	0.5%	1/10W	R1623	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1483	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1624	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1484	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1625	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1489	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1630	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1490	1-218-981-91	METAL CHIP	220K	5%	1/16W	R1638	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1491	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R1642	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1492	1-218-981-91	METAL CHIP	220K	5%	1/16W	R1643	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1496	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1647	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1497	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1653	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R1500	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1654	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1501	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1655	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1504	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1657	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1505	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1660	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1508	1-208-671-11	METAL CHIP	330	0.5%	1/16W	R1661	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1509	1-208-671-11	METAL CHIP	330	0.5%	1/16W	R1664	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W

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2CH DAMP

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Ref. No.	Part No.	Description			Remark
R1665	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R1667	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1670	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1671	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1672	1-215-892-11	METAL OXIDE	1K	5%	2W
R1673	1-216-809-11	METAL CHIP	100	5%	1/10W
R1676	1-215-892-11	METAL OXIDE	1K	5%	2W
R1679	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1680	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1682	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1683	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1684	1-216-864-11	SHORT CHIP	0		
R1685	1-216-864-11	SHORT CHIP	0		
R1698	1-216-864-11	SHORT CHIP	0		
R1701	1-216-864-11	SHORT CHIP	0		
R1704	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1705	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1706	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1707	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1708	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1709	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1710	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1711	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1716	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1717	1-216-847-11	METAL CHIP	150K	5%	1/10W
R1718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1722	1-216-809-11	METAL CHIP	100	5%	1/10W
R1723	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1724	1-218-916-11	METAL CHIP	750K	0.5%	1/10W
R1725	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1728	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1729	1-216-848-11	METAL CHIP	180K	5%	1/10W
R1731	1-216-819-11	METAL CHIP	680	5%	1/10W
R1734	1-216-864-11	SHORT CHIP	0		
R1735	1-216-864-11	SHORT CHIP	0		
R1739	1-216-864-11	SHORT CHIP	0		
R1744	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1745	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1746	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1747	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1750	1-227-869-21	METAL CHIP	100	5%	1/2W
R1751	1-227-869-21	METAL CHIP	100	5%	1/2W
R1772	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1775	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1777	1-218-990-81	SHORT CHIP	0		
R1780	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1781	1-227-869-21	METAL CHIP	100	5%	1/2W
R1782	1-227-869-21	METAL CHIP	100	5%	1/2W
R1783	1-227-869-21	METAL CHIP	100	5%	1/2W
R1784	1-227-869-21	METAL CHIP	100	5%	1/2W
R1785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1806	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1807	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1808	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1810	1-216-817-11	METAL CHIP	470	5%	1/10W
R1811	1-216-817-11	METAL CHIP	470	5%	1/10W
R1901	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1902	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1904	1-216-864-11	SHORT CHIP	0		
R1908	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1910	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1911	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1956	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1957	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1960	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1970	1-216-864-11	SHORT CHIP	0		
R1975	1-216-864-11	SHORT CHIP	0		
R1976	1-216-864-11	SHORT CHIP	0		
< TERMINAL >					
TB4001	1-780-893-11	TERMINAL BOARD (FRONT SPEAKERS)			
< THERMISTOR >					
TH1402	1-804-045-11	THERMISTOR			
TH1403	1-804-045-11	THERMISTOR			

BD76 BOARD					

< CAPACITOR >					
△ C101	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
△ C102	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
△ C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
△ C104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C105	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C106	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C107	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C108	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C110	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C111	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C116	1-117-681-11	ELECT CHIP	100uF	20%	16V
C117	1-100-756-91	CERAMIC CHIP	0.047uF	10%	50V
C118	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C119	1-117-681-11	ELECT CHIP	100uF	20%	16V
C120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C124	1-117-681-11	ELECT CHIP	100uF	20%	16V
C125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C129	1-117-681-11	ELECT CHIP	100uF	20%	16V
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C202	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C204	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C206	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C207	1-117-681-11	ELECT CHIP	100uF	20%	16V
C208	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C301	1-128-394-11	ELECT CHIP	220uF	20%	10V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C302	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R124	1-216-833-11	METAL CHIP	10K 5% 1/10W
C303	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R126	1-216-864-11	SHORT CHIP	0
△ C304	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R129	1-216-809-11	METAL CHIP	100 5% 1/10W
C401	1-117-681-11	ELECT CHIP	100uF 20% 16V	R201	1-218-446-11	METAL CHIP	1 5% 1/10W
C402	1-117-681-11	ELECT CHIP	100uF 20% 16V	R202	1-216-789-11	METAL CHIP	2.2 5% 1/10W
C405	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R203	1-216-864-11	SHORT CHIP	0
C406	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R301	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
C407	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R302	1-216-839-11	METAL CHIP	33K 5% 1/10W
C415	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R303	1-216-834-11	METAL CHIP	12K 5% 1/10W
C416	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R304	1-216-833-11	METAL CHIP	10K 5% 1/10W
C417	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	R305	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
C418	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R401	1-216-295-91	SHORT CHIP	0
C901	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R402	1-216-295-91	SHORT CHIP	0
C902	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R403	1-216-809-11	METAL CHIP	100 5% 1/10W
C903	1-162-920-11	CERAMIC CHIP	27PF 5% 50V	R404	1-216-809-11	METAL CHIP	100 5% 1/10W
C904	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R405	1-216-809-11	METAL CHIP	100 5% 1/10W
C905	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R406	1-216-809-11	METAL CHIP	100 5% 1/10W
C906	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R407	1-216-809-11	METAL CHIP	100 5% 1/10W
C907	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R408	1-216-809-11	METAL CHIP	100 5% 1/10W
C908	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R409	1-216-809-11	METAL CHIP	100 5% 1/10W
C909	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R411	1-216-809-11	METAL CHIP	100 5% 1/10W
C951	1-162-910-11	CERAMIC CHIP	5PF 0.25PF 50V	R412	1-216-864-11	SHORT CHIP	0
C952	1-162-910-11	CERAMIC CHIP	5PF 0.25PF 50V	R413	1-216-864-11	SHORT CHIP	0
C953	1-165-884-11	CERAMIC CHIP	2.2uF 10% 6.3V	R414	1-216-809-11	METAL CHIP	100 5% 1/10W
C955	1-165-884-11	CERAMIC CHIP	2.2uF 10% 6.3V	R415	1-216-809-11	METAL CHIP	100 5% 1/10W
< CONNECTOR >				R416	1-216-809-11	METAL CHIP	100 5% 1/10W
CN201	1-770-425-51	CONNECTOR, FFC/FPC 16P		R417	1-216-295-91	SHORT CHIP	0
CN401	1-820-119-41	CONNECTOR, FFC/FPC 21P		R901	1-216-809-11	METAL CHIP	100 5% 1/10W
CN901	1-820-112-41	CONNECTOR, FFC/FPC 9P		R902	1-216-809-11	METAL CHIP	100 5% 1/10W
< IC >				R903	1-216-857-11	METAL CHIP	1M 5% 1/10W
IC101	6-713-623-01	IC LC786950T-US-H		R904	1-216-864-11	SHORT CHIP	0
IC301	6-710-637-01	IC BA5826HFP-E2		R905	1-216-809-11	METAL CHIP	100 5% 1/10W
IC901	6-714-801-01	IC LC87F1JJ2AU-SQFP-H		R906	1-216-809-11	METAL CHIP	100 5% 1/10W
< TRANSISTOR >				R907	1-216-809-11	METAL CHIP	100 5% 1/10W
Q201	6-551-120-01	TRANSISTOR 2SA2119K		R908	1-216-809-11	METAL CHIP	100 5% 1/10W
< RESISTOR >				R909	1-216-809-11	METAL CHIP	100 5% 1/10W
R101	1-216-815-11	METAL CHIP	330 5% 1/10W	R910	1-216-845-11	METAL CHIP	100K 5% 1/10W
△ R102	1-216-833-11	METAL CHIP	10K 5% 1/10W	R911	1-216-809-11	METAL CHIP	100 5% 1/10W
△ R103	1-216-864-11	SHORT CHIP	0	R912	1-216-845-11	METAL CHIP	100K 5% 1/10W
R104	1-216-864-11	SHORT CHIP	0	R913	1-216-809-11	METAL CHIP	100 5% 1/10W
R105	1-216-864-11	SHORT CHIP	0	R914	1-216-845-11	METAL CHIP	100K 5% 1/10W
R106	1-216-864-11	SHORT CHIP	0	R922	1-216-809-11	METAL CHIP	100 5% 1/10W
R107	1-216-843-11	METAL CHIP	68K 5% 1/10W	R923	1-216-809-11	METAL CHIP	100 5% 1/10W
R108	1-216-821-11	METAL CHIP	1K 5% 1/10W	R924	1-216-809-11	METAL CHIP	100 5% 1/10W
R109	1-216-821-11	METAL CHIP	1K 5% 1/10W	R951	1-216-835-11	METAL CHIP	15K 5% 1/10W
R111	1-216-837-11	METAL CHIP	22K 5% 1/10W	R952	1-216-835-11	METAL CHIP	15K 5% 1/10W
R112	1-216-864-11	SHORT CHIP	0	R953	1-216-803-11	METAL CHIP	33 5% 1/10W
R113	1-216-819-11	METAL CHIP	680 5% 1/10W	R954	1-216-803-11	METAL CHIP	33 5% 1/10W
R114	1-216-819-11	METAL CHIP	680 5% 1/10W	R955	1-216-864-11	SHORT CHIP	0
R116	1-216-843-11	METAL CHIP	68K 5% 1/10W	< VIBRATOR >			
R117	1-216-833-11	METAL CHIP	10K 5% 1/10W	X101	1-795-101-21	VIBRATOR, CERAMIC (16.934 MHz)	
R118	1-216-809-11	METAL CHIP	100 5% 1/10W	X901	1-814-365-11	QUARTZ CRYSTAL UNITS (12MHz)	
R120	1-216-833-11	METAL CHIP	10K 5% 1/10W	*****			
R121	1-216-833-11	METAL CHIP	10K 5% 1/10W	DISPLAY BOARD			
R122	1-216-833-11	METAL CHIP	10K 5% 1/10W	*****			
R123	1-216-833-11	METAL CHIP	10K 5% 1/10W	< CAPACITOR >			
△ C500	1-100-597-91	CERAMIC CHIP	0.1uF 10% 25V				
△ C501	1-114-323-11	CERAMIC CHIP	0.01uF 10% 50V				

HCD-GPX3G

DISPLAY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C502	1-126-618-11	ELECT	33uF 20%	50V	D513	6-503-224-02	DI 1L0352V22F3MIT02
C503	1-162-968-11	CERAMIC CHIP	0.0047uF 10%	50V	D514	6-500-334-01	DIODE MC2836-T112-1
C506	1-126-786-11	ELECT	47uF 20%	16V			
C508	1-127-715-11	CERAMIC CHIP	0.22uF 10%	16V	D515	6-503-224-02	DI 1L0352V22F3MIT02
C509	1-114-323-11	CERAMIC CHIP	0.01uF 10%	50V	D517	6-502-961-01	DI DA2J10100L
C511	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D518	6-502-961-01	DI DA2J10100L
C513	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D519	6-503-224-02	DI 1L0352V22F3MIT02
C518	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D520	6-500-848-01	DIODE MC2840-T112-1
C522	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D521	6-502-961-01	DI DA2J10100L
C524	1-126-786-11	ELECT	47uF 20%	16V	D522	6-503-224-02	DI 1L0352V22F3MIT02
C526	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D523	6-503-224-02	DI 1L0352V22F3MIT02
C528	1-126-513-11	ELECT	47uF 20%	6.3V	D524	6-503-721-01	DI 1L0353Y22G3MKT01
C529	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D525	6-503-224-02	DI 1L0352V22F3MIT02
C533	1-162-919-11	CERAMIC CHIP	22PF 5%	50V	D526	6-503-721-01	DI 1L0353Y22G3MKT01
C536	1-162-918-11	CERAMIC CHIP	18PF 5%	50V	D527	6-503-224-02	DI 1L0352V22F3MIT02
C542	1-126-382-11	ELECT	100uF 20%	16V	D528	6-503-775-01	DI CRH02 (T5R, SONY, XM)
C545	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D529	6-503-224-02	DI 1L0352V22F3MIT02
C549	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D530	6-503-224-02	DI 1L0352V22F3MIT02
C551	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	D531	6-503-224-02	DI 1L0352V22F3MIT02
C552	1-125-891-11	CERAMIC CHIP	0.47uF 10%	10V	D533	6-503-224-02	DI 1L0352V22F3MIT02
C553	1-115-872-11	ELECT	2.2uF 20%	50V	D535	6-502-961-01	DI DA2J10100L
C554	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V			< FLUORESCENT INDICATOR TUBE >
C561	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	FL500	1-483-424-11	VACUUM FLUORESCENT DISPLAY
C562	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V			< IC >
C563	1-112-064-11	CERAMIC CHIP	2.2uF 10%	10V	IC500	6-600-768-01	IC PNA4823M03S0
C586	1-126-791-11	ELECT	10uF 20%	35V	IC501	A-1866-677-A	IC R5F3650KBDFA (for SERVICE)
C587	1-126-514-11	ELECT	22uF 20%	16V	IC502	6-703-639-01	IC TK11140CSCL-G
C589	1-126-382-11	ELECT	100uF 20%	16V	IC503	6-717-584-01	IC PT6324-LQ
C590	1-114-323-11	CERAMIC CHIP	0.01uF 10%	50V	IC504	6-704-191-01	IC S-80829CNNB-B8OT2G
C591	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	IC505	8-759-598-69	IC BA6956AN
C593	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	IC507	6-716-739-01	IC BD00GC0WEFJ-SE2
C594	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V			< JUMPER RESISTOR >
C607	1-100-597-91	CERAMIC CHIP	0.1uF 10%	25V	JR500	1-216-296-11	SHORT CHIP 0
C608	1-126-786-11	ELECT	47uF 20%	16V	JR501	1-216-296-11	SHORT CHIP 0
C610	1-125-837-91	CERAMIC CHIP	1uF 10%	6.3V	JR502	1-216-864-11	SHORT CHIP 0
C611	1-126-925-91	ELECT	470uF 20%	10V	JR503	1-216-864-11	SHORT CHIP 0
		< CONNECTOR >			JR504	1-216-864-11	SHORT CHIP 0
CN500	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			JR505	1-216-864-11	SHORT CHIP 0
CN501	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			JR506	1-216-864-11	SHORT CHIP 0
CN503	1-784-928-11	PIN, CONNECTOR 13P			JR507	1-216-864-11	SHORT CHIP 0
CN504	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			JR508	1-216-864-11	SHORT CHIP 0
CN505	1-784-766-11	CONNECTOR, FFC 5P			JR509	1-216-864-11	SHORT CHIP 0
CN804	1-784-786-11	CONNECTOR, FFC 25P			JR510	1-216-296-11	SHORT CHIP 0
		< DIODE >			JR511	1-216-296-11	SHORT CHIP 0
D500	6-503-224-02	DI 1L0352V22F3MIT02			JR512	1-216-296-11	SHORT CHIP 0
D501	6-503-224-02	DI 1L0352V22F3MIT02			JR513	1-216-296-11	SHORT CHIP 0
D502	6-503-224-02	DI 1L0352V22F3MIT02			JR514	1-216-296-11	SHORT CHIP 0
D503	6-503-224-02	DI 1L0352V22F3MIT02			JR515	1-216-296-11	SHORT CHIP 0
D504	6-503-224-02	DI 1L0352V22F3MIT02			JR516	1-216-296-11	SHORT CHIP 0
D505	6-503-224-02	DI 1L0352V22F3MIT02			JR517	1-216-296-11	SHORT CHIP 0
D506	6-503-721-01	DI 1L0353Y22G3MKT01			JR518	1-216-296-11	SHORT CHIP 0
D507	6-503-721-01	DI 1L0353Y22G3MKT01			JR519	1-216-864-11	SHORT CHIP 0
D508	6-503-775-01	DI CRH02 (T5R, SONY, XM)			JR520	1-216-296-11	SHORT CHIP 0
D509	6-503-775-01	DI CRH02 (T5R, SONY, XM)					< COIL >
D510	6-502-970-01	DI DZ2J068M0L			L500	1-412-541-21	INDUCTOR 220uH
D511	6-503-775-01	DI CRH02 (T5R, SONY, XM)					
D512	6-503-775-01	DI CRH02 (T5R, SONY, XM)					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >		R536	1-216-841-11	METAL CHIP 47K	5% 1/10W
Q500	6-551-272-01	TRANSISTOR RT3CLLM		R538	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q501	6-551-272-01	TRANSISTOR RT3CLLM		R539	1-216-817-11	METAL CHIP 470	5% 1/10W
Q502	6-551-696-01	TR ISA1235AC1-T112-1EF		R540	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q503	6-553-083-01	TR PBSS4160T		R541	1-216-817-11	METAL CHIP 470	5% 1/10W
Q504	6-553-083-01	TR PBSS4160T		R542	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
Q505	6-551-276-01	TRANSISTOR RT1N431C-TP-1		R543	1-216-819-11	METAL CHIP 680	5% 1/10W
Q506	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R544	1-216-817-11	METAL CHIP 470	5% 1/10W
Q507	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R545	1-216-809-11	METAL CHIP 100	5% 1/10W
Q508	6-552-221-01	TR 2SA2188-T112-1F		R546	1-216-809-11	METAL CHIP 100	5% 1/10W
Q509	6-552-221-01	TR 2SA2188-T112-1F		R547	1-216-809-11	METAL CHIP 100	5% 1/10W
Q510	6-551-272-01	TRANSISTOR RT3CLLM		R548	1-216-809-11	METAL CHIP 100	5% 1/10W
Q511	8-729-038-23	TRANSISTOR RT1N141C-TP-1		R549	1-216-809-11	METAL CHIP 100	5% 1/10W
Q512	8-729-038-23	TRANSISTOR RT1N141C-TP-1		R550	1-216-817-11	METAL CHIP 470	5% 1/10W
Q513	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R551	1-216-847-11	METAL CHIP 150K	5% 1/10W
Q516	6-551-272-01	TRANSISTOR RT3CLLM		R552	1-216-817-11	METAL CHIP 470	5% 1/10W
Q517	8-729-027-23	TRANSISTOR DTA114EKA-T146		R553	1-219-570-11	METAL CHIP 10M	5% 1/10W
Q518	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R554	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q521	6-551-272-01	TRANSISTOR RT3CLLM		R555	1-216-809-11	METAL CHIP 100	5% 1/10W
Q522	6-551-272-01	TRANSISTOR RT3CLLM		R556	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q523	6-552-221-01	TR 2SA2188-T112-1F		R557	1-216-849-11	METAL CHIP 220K	5% 1/10W
Q524	6-551-276-01	TRANSISTOR RT1N431C-TP-1		R558	1-216-817-11	METAL CHIP 470	5% 1/10W
Q525	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R559	1-216-817-11	METAL CHIP 470	5% 1/10W
		< RESISTOR >		R560	1-216-864-11	SHORT CHIP 0	
R500	1-216-817-11	METAL CHIP 470	5% 1/10W	R561	1-216-857-11	METAL CHIP 1M	5% 1/10W
R501	1-216-817-11	METAL CHIP 470	5% 1/10W	R562	1-216-809-11	METAL CHIP 100	5% 1/10W
R502	1-216-817-11	METAL CHIP 470	5% 1/10W	R563	1-216-817-11	METAL CHIP 470	5% 1/10W
R503	1-216-817-11	METAL CHIP 470	5% 1/10W	R564	1-216-821-11	METAL CHIP 1K	5% 1/10W
R504	1-216-833-11	METAL CHIP 10K	5% 1/10W	R565	1-216-835-11	METAL CHIP 15K	5% 1/10W
R505	1-216-833-11	METAL CHIP 10K	5% 1/10W	R566	1-216-809-11	METAL CHIP 100	5% 1/10W
R506	1-216-817-11	METAL CHIP 470	5% 1/10W	R567	1-216-809-11	METAL CHIP 100	5% 1/10W
R507	1-216-817-11	METAL CHIP 470	5% 1/10W	R569	1-216-809-11	METAL CHIP 100	5% 1/10W
R508	1-216-817-11	METAL CHIP 470	5% 1/10W	R571	1-216-841-11	METAL CHIP 47K	5% 1/10W
R509	1-216-817-11	METAL CHIP 470	5% 1/10W	R572	1-216-864-11	SHORT CHIP 0	
R510	1-216-817-11	METAL CHIP 470	5% 1/10W	R573	1-216-821-11	METAL CHIP 1K	5% 1/10W
R511	1-216-817-11	METAL CHIP 470	5% 1/10W	R574	1-216-833-11	METAL CHIP 10K	5% 1/10W
R512	1-216-819-11	METAL CHIP 680	5% 1/10W	R575	1-216-809-11	METAL CHIP 100	5% 1/10W
R513	1-216-821-11	METAL CHIP 1K	5% 1/10W	R576	1-216-817-11	METAL CHIP 470	5% 1/10W
R514	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R577	1-216-809-11	METAL CHIP 100	5% 1/10W
R515	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R578	1-216-839-11	METAL CHIP 33K	5% 1/10W
R516	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R579	1-216-817-11	METAL CHIP 470	5% 1/10W
R517	1-216-817-11	METAL CHIP 470	5% 1/10W	R581	1-216-821-11	METAL CHIP 1K	5% 1/10W
R518	1-216-817-11	METAL CHIP 470	5% 1/10W	R582	1-216-809-11	METAL CHIP 100	5% 1/10W
R519	1-216-833-11	METAL CHIP 10K	5% 1/10W	R583	1-216-809-11	METAL CHIP 100	5% 1/10W
R520	1-216-833-11	METAL CHIP 10K	5% 1/10W	R584	1-216-821-11	METAL CHIP 1K	5% 1/10W
R521	1-216-817-11	METAL CHIP 470	5% 1/10W	R585	1-216-833-11	METAL CHIP 10K	5% 1/10W
R522	1-216-817-11	METAL CHIP 470	5% 1/10W	R587	1-216-809-11	METAL CHIP 100	5% 1/10W
R523	1-216-817-11	METAL CHIP 470	5% 1/10W	R588	1-216-809-11	METAL CHIP 100	5% 1/10W
R524	1-216-817-11	METAL CHIP 470	5% 1/10W	R590	1-216-833-11	METAL CHIP 10K	5% 1/10W
R525	1-257-172-91	METAL CHIP 100	5% 1/3W	R591	1-216-809-11	METAL CHIP 100	5% 1/10W
R526	1-216-839-11	METAL CHIP 33K	5% 1/10W	R592	1-216-809-11	METAL CHIP 100	5% 1/10W
R527	1-257-172-91	METAL CHIP 100	5% 1/3W	R593	1-216-817-11	METAL CHIP 470	5% 1/10W
R528	1-216-821-11	METAL CHIP 1K	5% 1/10W	R594	1-216-821-11	METAL CHIP 1K	5% 1/10W
R529	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R595	1-216-809-11	METAL CHIP 100	5% 1/10W
R530	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R596	1-216-817-11	METAL CHIP 470	5% 1/10W
R531	1-216-801-11	METAL CHIP 22	5% 1/10W	R597	1-216-833-11	METAL CHIP 10K	5% 1/10W
R532	1-216-833-11	METAL CHIP 10K	5% 1/10W	R598	1-216-809-11	METAL CHIP 100	5% 1/10W
R534	1-216-835-11	METAL CHIP 15K	5% 1/10W	R600	1-216-817-11	METAL CHIP 470	5% 1/10W
R535	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R601	1-216-833-11	METAL CHIP 10K	5% 1/10W
				R602	1-216-833-11	METAL CHIP 10K	5% 1/10W

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DISPLAY TUNER1AM3R

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R603	1-216-817-11	METAL CHIP	470 5%	1/10W	R677	1-216-817-11	METAL CHIP 470 5% 1/10W
R605	1-216-833-11	METAL CHIP	10K 5%	1/10W	R679	1-216-817-11	METAL CHIP 470 5% 1/10W
R608	1-216-853-11	METAL CHIP	470K 5%	1/10W	R680	1-216-833-11	METAL CHIP 10K 5% 1/10W
R609	1-216-841-11	METAL CHIP	47K 5%	1/10W	R682	1-216-817-11	METAL CHIP 470 5% 1/10W
R610	1-216-809-11	METAL CHIP	100 5%	1/10W	R686	1-216-817-11	METAL CHIP 470 5% 1/10W
R611	1-216-809-11	METAL CHIP	100 5%	1/10W	R689	1-216-819-11	METAL CHIP 680 5% 1/10W
R612	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R690	1-216-809-11	METAL CHIP 100 5% 1/10W
R613	1-216-809-11	METAL CHIP	100 5%	1/10W	R691	1-216-809-11	METAL CHIP 100 5% 1/10W
R614	1-216-809-11	METAL CHIP	100 5%	1/10W	R693	1-216-809-11	METAL CHIP 100 5% 1/10W
R615	1-216-809-11	METAL CHIP	100 5%	1/10W	R694	1-216-809-11	METAL CHIP 100 5% 1/10W
R616	1-216-841-11	METAL CHIP	47K 5%	1/10W	R695	1-216-809-11	METAL CHIP 100 5% 1/10W
R617	1-216-809-11	METAL CHIP	100 5%	1/10W	R696	1-216-833-11	METAL CHIP 10K 5% 1/10W
R618	1-216-809-11	METAL CHIP	100 5%	1/10W	R697	1-216-809-11	METAL CHIP 100 5% 1/10W
R619	1-216-809-11	METAL CHIP	100 5%	1/10W	R698	1-216-833-11	METAL CHIP 10K 5% 1/10W
R620	1-216-809-11	METAL CHIP	100 5%	1/10W	R699	1-216-833-11	METAL CHIP 10K 5% 1/10W
R621	1-216-809-11	METAL CHIP	100 5%	1/10W	R700	1-216-833-11	METAL CHIP 10K 5% 1/10W
R622	1-216-809-11	METAL CHIP	100 5%	1/10W	R701	1-216-833-11	METAL CHIP 10K 5% 1/10W
R623	1-216-809-11	METAL CHIP	100 5%	1/10W	R702	1-216-833-11	METAL CHIP 10K 5% 1/10W
R624	1-216-809-11	METAL CHIP	100 5%	1/10W	R703	1-216-850-11	METAL CHIP 270K 5% 1/10W
R626	1-216-809-11	METAL CHIP	100 5%	1/10W	R704	1-216-842-11	METAL CHIP 56K 5% 1/10W
R627	1-216-809-11	METAL CHIP	100 5%	1/10W	R705	1-216-827-11	METAL CHIP 3.3K 5% 1/10W
R628	1-216-809-11	METAL CHIP	100 5%	1/10W	R706	1-216-820-11	METAL CHIP 820 5% 1/10W
R629	1-216-809-11	METAL CHIP	100 5%	1/10W	R708	1-216-821-11	METAL CHIP 1K 5% 1/10W
R630	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R709	1-216-833-11	METAL CHIP 10K 5% 1/10W
R631	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R710	1-216-837-11	METAL CHIP 22K 5% 1/10W
R632	1-216-841-11	METAL CHIP	47K 5%	1/10W	R711	1-216-833-11	METAL CHIP 10K 5% 1/10W
R634	1-216-823-11	METAL CHIP	1.5K 5%	1/10W			< SWITCH >
R635	1-216-823-11	METAL CHIP	1.5K 5%	1/10W	S500	1-771-410-21	SWITCH, TACTILE (I/O)
R636	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	S501	1-771-410-21	SWITCH, TACTILE (CD)
R637	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	S502	1-771-410-21	SWITCH, TACTILE (▶)
R638	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	S503	1-771-410-21	SWITCH, TACTILE (OPTION)
R643	1-216-837-11	METAL CHIP	22K 5%	1/10W	S504	1-771-410-21	SWITCH, TACTILE (USB)
R644	1-216-839-11	METAL CHIP	33K 5%	1/10W	S505	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)
R645	1-216-817-11	METAL CHIP	470 5%	1/10W	S506	1-771-410-21	SWITCH, TACTILE (▲ OPEN/CLOSE)
R646	1-216-817-11	METAL CHIP	470 5%	1/10W	S507	1-771-410-21	SWITCH, TACTILE (■)
R647	1-216-833-11	METAL CHIP	10K 5%	1/10W	S508	1-771-410-21	SWITCH, TACTILE (AUDIO IN)
R648	1-216-819-11	METAL CHIP	680 5%	1/10W	S509	1-771-410-21	SWITCH, TACTILE (LED EFFECT)
R649	1-216-821-11	METAL CHIP	1K 5%	1/10W			< TRANSFORMER >
R650	1-216-823-11	METAL CHIP	1.5K 5%	1/10W	T500	1-697-144-11	DC-DC CONVERTER TRANSFORMER
R651	1-216-823-11	METAL CHIP	1.5K 5%	1/10W			< VIBRATOR >
R652	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	X500	1-760-252-12	VIBRATOR, CRYSTAL (32.768KHz)
R653	1-216-839-11	METAL CHIP	33K 5%	1/10W	X501	1-781-472-21	VIBRATOR, CERAMIC (8MHz)
R654	1-216-817-11	METAL CHIP	470 5%	1/10W	*****		
R655	1-216-839-11	METAL CHIP	33K 5%	1/10W	TUNER1AM3R BOARD		
R656	1-216-817-11	METAL CHIP	470 5%	1/10W	*****		
R657	1-216-817-11	METAL CHIP	470 5%	1/10W	< CAPACITOR >		
R658	1-216-837-11	METAL CHIP	22K 5%	1/10W	△ C101	1-100-155-91	CERAMIC CHIP 470PF 5% 100V
R659	1-216-817-11	METAL CHIP	470 5%	1/10W	△ C102	1-116-734-11	CERAMIC CHIP 1uF 20% 16V
R660	1-216-833-11	METAL CHIP	10K 5%	1/10W	△ C103	1-116-734-11	CERAMIC CHIP 1uF 20% 16V
R661	1-216-817-11	METAL CHIP	470 5%	1/10W	C105	1-116-734-11	CERAMIC CHIP 1uF 20% 16V
R662	1-216-833-11	METAL CHIP	10K 5%	1/10W	C106	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V
R663	1-216-817-11	METAL CHIP	470 5%	1/10W	C107	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V
R664	1-216-817-11	METAL CHIP	470 5%	1/10W	C108	1-116-729-11	CERAMIC CHIP 2.2uF 20% 10V
R665	1-216-833-11	METAL CHIP	10K 5%	1/10W	C110	1-116-717-11	CERAMIC CHIP 10uF 20% 10V
R666	1-216-817-11	METAL CHIP	470 5%	1/10W	C111	1-116-734-11	CERAMIC CHIP 1uF 20% 16V
R667	1-216-833-11	METAL CHIP	10K 5%	1/10W	C112	1-116-734-11	CERAMIC CHIP 1uF 20% 16V
R668	1-216-833-11	METAL CHIP	10K 5%	1/10W			
R671	1-216-817-11	METAL CHIP	470 5%	1/10W			
R674	1-216-817-11	METAL CHIP	470 5%	1/10W			
R675	1-216-817-11	METAL CHIP	470 5%	1/10W			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< CONNECTOR >				< CONNECTOR >	
CN101	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P		CN1000	1-819-866-11	USB CONNECTOR (A) (+←)	
* CN103	1-506-680-11	PLUG, CONNECTOR (2.5MM) 3P (ANTENNA)				< DIODE >	
		< DIODE >		D537	6-503-224-02	DI 1L0352V22F3MIT02	
D101	6-501-579-01	DIODE MC2837		D539	6-503-224-02	DI 1L0352V22F3MIT02	
D102	6-501-579-01	DIODE MC2837		D541	6-503-224-02	DI 1L0352V22F3MIT02	
D103	6-501-579-01	DIODE MC2837		D1001	6-500-848-01	DIODE MC2840-T112-1	
		< FLUORESCENT INDICATOR TUBE >		D1003	6-500-848-01	DIODE MC2840-T112-1	
FL101	1-236-711-21	FILTER, BAND PASS		D1005	6-500-848-01	DIODE MC2840-T112-1	
		< IC >		D1008	6-502-970-01	DI DZ2J068M0L	
IC101	6-717-981-01	IC RZ5B801-0002E2		D1009	6-502-970-01	DI DZ2J068M0L	
IC103	6-710-536-01	IC NJM2878F4-33 (TE2)		D1011	6-502-970-01	DI DZ2J068M0L	
		< JUMPER RESISTOR >				< IC >	
JR101	1-216-864-11	SHORT CHIP 0		IC1001	6-717-848-01	IC NCP380HSNAJAAT1G	
JR102	1-216-296-11	SHORT CHIP 0				< JUMPER RESISTOR >	
JR105	1-216-296-11	SHORT CHIP 0		JR1000	1-216-864-11	SHORT CHIP 0	
JR106	1-216-864-11	SHORT CHIP 0		JR1004	1-216-296-11	SHORT CHIP 0	
JR109	1-216-296-11	SHORT CHIP 0		JR1005	1-216-296-11	SHORT CHIP 0	
JR112	1-216-296-11	SHORT CHIP 0		JR1006	1-216-296-11	SHORT CHIP 0	
		< COIL >				< TRANSISTOR >	
△ L101	1-457-998-11	COIL, AM ANTENNA		Q1002	6-551-272-01	TRANSISTOR RT3CLLM	
L103	1-414-576-41	INDUCTOR 47nH				< RESISTOR >	
L104	1-481-330-21	INDUCTOR 220nH		R1002	1-216-817-11	METAL CHIP 470 5% 1/10W	
L105	1-481-523-11	INDUCTOR 4.7uH		R1003	1-216-817-11	METAL CHIP 470 5% 1/10W	
		< RESISTOR >		R1004	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R101	1-216-809-11	METAL CHIP 100 5% 1/10W		R1006	1-216-817-11	METAL CHIP 470 5% 1/10W	
R103	1-216-801-11	METAL CHIP 22 5% 1/10W		R1008	1-216-817-11	METAL CHIP 470 5% 1/10W	
R104	1-216-864-11	SHORT CHIP 0		R1009	1-216-817-11	METAL CHIP 470 5% 1/10W	
R105	1-216-801-11	METAL CHIP 22 5% 1/10W		R1010	1-216-817-11	METAL CHIP 470 5% 1/10W	
R106	1-216-809-11	METAL CHIP 100 5% 1/10W		R1011	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R107	1-216-809-11	METAL CHIP 100 5% 1/10W		R1012	1-216-817-11	METAL CHIP 470 5% 1/10W	
R108	1-216-296-11	SHORT CHIP 0		R1013	1-216-817-11	METAL CHIP 470 5% 1/10W	
R109	1-216-864-11	SHORT CHIP 0		R1014	1-216-817-11	METAL CHIP 470 5% 1/10W	
R110	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1015	1-216-817-11	METAL CHIP 470 5% 1/10W	
R113	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1021	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R114	1-216-864-11	SHORT CHIP 0		R1022	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
		< VIBRATOR >		R1023	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
X101	1-767-317-11	VIBRATOR, CRYSTAL (32.768KHz)		R1024	1-216-833-11	METAL CHIP 10K 5% 1/10W	
*****				R1025	1-216-835-11	METAL CHIP 15K 5% 1/10W	
A-1858-637-A		USB BOARD, COMPLETE		R1026	1-216-839-11	METAL CHIP 33K 5% 1/10W	
		*****		R1027	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< CAPACITOR >				< SWITCH >	
C1001	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V		S510	1-771-410-21	SWITCH, TACTILE (BASS BAZUCA)	
C1002	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		S511	1-771-410-21	SWITCH, TACTILE (EQ)	
C1003	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		S512	1-771-410-21	SWITCH, TACTILE (LATIN EQ)	
C1004	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		S513	1-771-410-21	SWITCH, TACTILE (HIP-HOP)	
C1005	1-124-635-00	ELECT 220uF 20% 6.3V		S514	1-771-410-21	SWITCH, TACTILE (ROCK)	
C1006	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V		S515	1-771-410-21	SWITCH, TACTILE (REC TO USB)	
*****				*****			

HCD-GPX3G

VOLUME

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		VOLUME BOARD *****					
		< CAPACITOR >					
C1181	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V					
		< RESISTOR >					
R1181	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R1262	1-216-827-11	METAL CHIP 3.3K 5% 1/10W					
R1263	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					
R1264	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W					
R1265	1-216-833-11	METAL CHIP 10K 5% 1/10W					
		< SWITCH >					
S516	1-771-410-21	SWITCH, TACTILE (TUNING - ◀◀◀◀◀◀)					
S517	1-771-410-21	SWITCH, TACTILE (◀+ ▲)					
S518	1-771-410-21	SWITCH, TACTILE (TUNING + ▶▶▶▶▶▶)					
S519	1-771-410-21	SWITCH, TACTILE (◀- ▼)					
S520	1-771-410-21	SWITCH, TACTILE (ENTER)					
S1250	1-489-978-11	ENCODER, ROTARY (MASTER VOLUME)					

		MISCELLANEOUS *****					
58	1-921-334-31	WIRE (FLAT TYPE) (25 CORE)					
59	1-921-337-01	WIRE (FLAT TYPE) (21 CORE)					
60	1-921-336-91	WIRE (FLAT TYPE) (5 CORE)					
104	1-839-176-21	WIRE (FLAT TYPE) (5CORE)					
△ 107	1-856-037-11	DEVICE, OPTICAL DA11MMVGP					
111	1-834-268-21	WIRE (FLAT TYPE) (16 CORE)					
S001	1-771-853-11	SWITCH, DETECTION					
151	1-921-334-21	WIRE (FLAT TYPE) (9 CORE)					
△ 152	1-855-006-11	FAN, DC					
△ 202	1-490-058-11	REGULATOR, SWITCHING (3H385W)					
204	1-457-369-12	CORE, FERRITE					
△ 206	1-837-344-11	CORD, POWER-SUPPLY (E2, MX)					
△ 206	1-838-939-21	CORD, POWER (E51)					
△ 207	1-569-007-12	ADAPTOR, CONVERSION 2P (E2)					
△ 207	1-843-324-11	ADAPTOR, CONVERSION 2P (E51)					

MANUAL DE SERVIÇO

Ver. 1.0 2012. 03



SS-GPX3

- SS-GPX3 is the front speaker in MHC-GPX3

- **JIG**

When disassembling the set, use the following jig (for front panel removal).

Part No.: J-2501-238-A JIG FOR SPEAKER REMOVAL



9 SPECIFICAÇÕES

Speakers

Front speaker

SS-GPX3 for MHC-GPX3

Speaker system

SS-GPX3: 2-way, Bass reflex

Speaker unit

Woofer: 200 mm, cone type

Tweeter:

(SS-GPX3) 40 mm, horn type

Rated impedance

SS-GPX3: 4 ohms

Dimensions (w/h/d) (Approx.)

SS-GPX3: 290 mm × 395 mm × 315 mm

Mass (Approx.)

SS-GP3: 6.9 kg

Quantity: 2 pieces

Design and specifications are subject to change without notice.

SPEAKER SYSTEM

SONY®

9-890-602-01

2012C08-1

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Sony Corporation

Published by Sony EMCS (Malaysia) PG Tec

SEuÇC`2 J-GH5`EXPLOD-D5

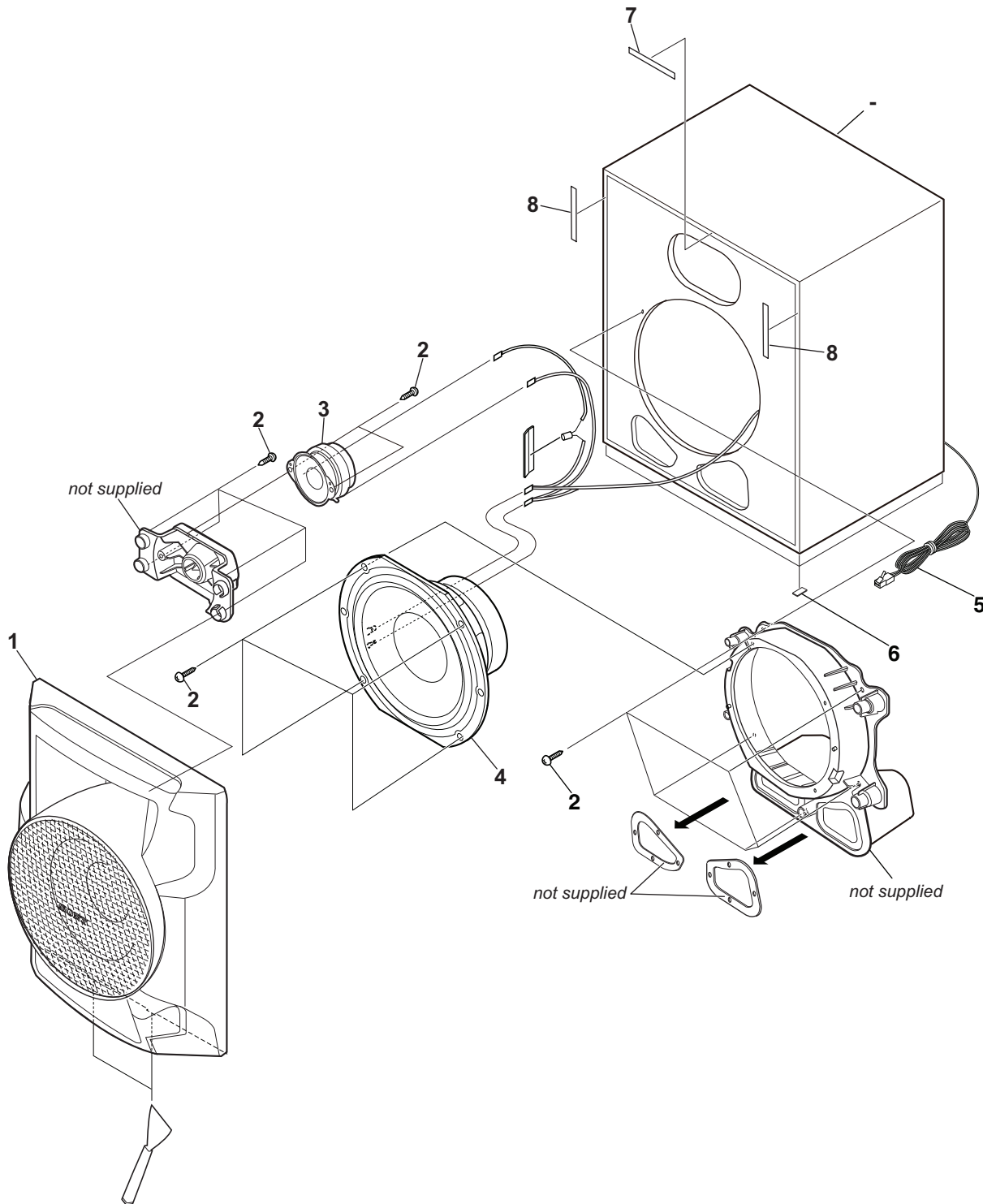
NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• Abbreviation

- E4 : African model
- E2 : 120V AC area in E model
- E51 : Chilean and Peruvian models
- BR : Modelo Brasil
- MX : Mexican model

2-1. SS-GPX3



Ref. No.	Part No.	Description	Remark
1	A-1857-762-A	PANEL ASSY, FRONT	
1	Y-8288-097-A	PAINEL FRONTAL MONTADO (SS-GPX3/5) ATC	
2	4-874-614-02	SCREW (1) (3.5X14), TAPPING	
3	1-858-776-11	LOUDSPEAKER (4CM)	
4	1-858-741-11	LOUDSPEAKER (20CM) (GPX3)	
4	1-858-782-21	LOUDSPEAKER (20CM) (GPX5)	

Ref. No.	Part No.	Description	Remark
5	1-839-950-11	CORD WITH CONNECTOR	
6	4-176-619-01	FOOT, RUBBER	
7	4-426-763-01	CUSHION, FP	
8	4-432-952-01	CUSHION, FP2	
9	Y-8288-098-A	GABINETE MONTADO (SS-GPX3/5) ATC	

MEMO