MHC-GPX5/GPX7/GPX8
HCD-GPX7G/HCD-GPX8G

MANUAL DE SERVI£O

E Model

Ver. 1.0 2012.03

- MHC-GPX5/GPX7/GPX8 are composed of following models.
  As service manuals are issued for each component model, please refer to them.

COMPONENT MODEL NAME

	MHC-GPX5	MHC-GPX7	MHC-GPX8
PACKAGE	–	HCD-GPX7G	HCD-GPX8G
COMPACT DISC RECEIVER	HCD-GPX5G	HCD-GPX7G	HCD-GPX8G
PACKAGE SPEAKER	–	SS-GPX7P	SS-GPX8P
FRONT SPEAKER	SS-GPX5	SS-GPX7	SS-GPX8
SUBWOOFER	SS-WGP5	–	SS-WGP8
SATELLITE SPEAKER	–	–	SS-RSP8

- HCD-GPX7G is composed of HCD-GPX7G.
- HCD-GPX8G is composed of HCD-GPX8G.
- SS-GPX7P is composed of SS-GPX7.
- SS-GPX8P is composed of SS-GPX8, SS-WGP8 and SS-RSP8.

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
  MHC-GPX8: 250 W
  MHC-GPX7: 230 W
  MHC-GPX5: 200 W
Dimensions (w/h/d) (excl. speakers) (Approx.)
  280 mm × 355 mm × 440 mm
Mass (excl. speakers) (Approx.)
  HCD-GPX8G/HCD-GPX7G/ HCD-GPX5G: 7.0 kg
Supplied accessories
  Remote control (1)
  R6 (Size AA) batteries (2)
  FM lead/AM loop antenna (1)
  Spacer A (MHC-GPX8 only) (2)
  Spacer B (MHC-GPX8 only) (2)
  Speaker pads (MHC-GPX7 only) (8)

Design and specifications are subject to change without notice.

ACCESSORIES

Ref. No.	Part No.	Description	Remark
	A-1857-711-A	SPACER A, ASSY (GPX8P)	
	A-1857-712-A	SPACER B, ASSY (GPX8P)	
	1-490-185-11	REMOTE COMMANDER (RM-AMU140) (including BATERY LID)	
	1-754-399-21	ANTENNA, ROOP (AM loop antenna (aerial))	
	4-412-606-12	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT MX)	
	4-412-606-22	MANUAL, INSTRUCTION (FRENCH, SPANISH) (E2)	
	4-412-606-32	MANUAL, INSTRUCTION (SPANISH) (E51)	
	4-412-606-42	MANUAL, INSTRUCTION (FRENCH, PORTUGUESE, ARABIC) (E4)	
	4-412-606-71	MANUAL DE INSTRUÇÕES (PORTUGUÊS) (GPX8G/GPX7G/GPX5G) (BR)	

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

MINI HI-FI COMPONENT SYSTEM

9-890-599-01
2012C08-1

Sony Corporation
Published by Sony EMCS (Malaysia) PG Tec

SONY®

HCD-GPX5G/GPX7G/GPX8G

MANUAL DE SERVI£O

Modelo BR

Ver. 1.0 2012.03

Photo: HCD-GPX8G (Modelo BR)

- HCD-GPX5G is the amplifier, USB, CD player and tuner section in MHC-GPX5.
- HCD-GPX7G is the amplifier, USB, CD player and tuner section in MHC-GPX7.
- HCD-GPX8G is the amplifier, USB, CD player and tuner section in MHC-GPX8.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74I-DVBU201//M
	Optical Pick-up Name	CMS-ST6RFS3

ESPECIFICA¢ì ES

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-GPX8

Front/Satellite/Subwoofer speaker
Power Output (rated): 1200W

Front speaker
RMS output power (reference):
270 W + 270 W (per channel at 6 ohms, 1 kHz, 10% THD)
Satellite speaker
RMS output power (reference):
135 W+ 135 W (per channel at 12 ohms, 1 kHz, 105 THD)
Subwoofer
RMS output power (reference):
195 W + 195 W (per channel at 8 ohms, 100 Hz, 10% THD)

MHC-GPX7

HIGH speakers
Power Output (rated): 1100W

RMS output power (reference):
400 W + 400 W (per channel at 4 ohms, 1 kHz, 10% THD)

LOW speakers
RMS output power (reference):
150 W + 150 W (10 ohms, 100 Hz, 10% THD)

MHC-GPX5

Front speaker
Power Output (rated): 900W

RMS output power (reference):
300 W + 300 W (per channel at 5 ohms, 1 kHz, 10% THD)
Subwoofer
RMS output power (reference):
300 W (5 ohms, 100 Hz, 10% THD)

Inputs

TV (AUDIO IN) L/R
Voltage 1.2 V, impedance 47 kilohms
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
MIC (MHC-GPX8/MHC-GPX7 only)
Sensitivity 1 mV, impedance 10 kilohms
A (USB), B (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 µW
* 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

Power requirements
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MHC-GPX7: 230 W
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Spacer B (MHC-GPX8 only) (2)
Speaker pads (MHC-GPX7 only) (8)

Design and specifications are subject to change without notice.

COMPACT DISC RECEIVER

9-890-600-01
2012C08-1

Sony Corporation
Published by Sony EMCS (Malaysia) PG Tec

SONY®

Notas sobre reparo do componentes do tipo Chip

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

REPARA EM PLACAS DE CIRCUITO FLEXð/EL

- Manter a temperatura do ferro de soldar em torno de 270 °C durante o reparo.
- N«o toque com o ferro de soldar o mesmo condutor chip da placa (mais de 3 vezes).
- Tenha cuidado para n«o aplicar for-a no condutor chip quando soldar ou dessoldar.

VERIFICA¢ ë O DE SEGURAN¢ A

Ap· s ter corrigido o problema original do servi-o, executa a seguinte verifica-«o de seguran-a antes de liberar o aparelho para o consumidor: Checar o terminal da antena, metal cortante, bot»es "metalizados", parafusos, e todas as pe-as met§licas expostas para fuga AC.

Checar fuga AC conforme a descri-«o abaixo.

TESTE DE FUGA AC

A fuga AC de todas as partes met§licas expostas a terra, n«o deve exceder 0,5 miliamperes (500 microamperes).

A fuga de corrente pode ser medida usando algum dos tr°s metodos.

1. Um teste commercial de fuga, tal como o Simpson 229 ou RCA WT-540A. Siga as instru-»es dos fabricantes para usar estes instrumentos.
2. Um miliamperimetro AC operado por bateria. Um multimetro digital de precis«o ®aproprioado para este trabalho.
3. Medir a voltage com o circuito ao lado sobre o resistor por de um VOM ou AC voltimetro operador por bateria. O "limite" indicado ®0.75 V, ent«o os medidores anal· gicos devem ter uma escala de baixa voltagem exata. O Simpson 250 e Sanwa SH-63Trd s«o exemplos de um VOM passivo apropriado. Quase todos os multimetos digitais operados a bateria tem uma escala AC de 2 V apropriada. (Veja a figura A).

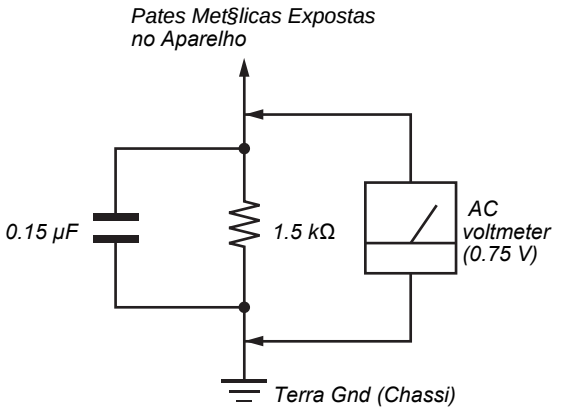


Fig. A. Usando um AC voltimetro para checar fuga AC.

ATENÇÃO

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

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

ATEN¢ ë O COM OS COMPONENTES DE SEGURAN¢ A!

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

ÍNDICE

SE¢ë O 1
NOTAS DE SERVI¢ O

NOTAS SOBRE O MANUSEIO DA BLOCO DE UNIDADE č TICA OU UNIDADE BASE

O diodo laser da unidade optica 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 sao 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.5

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.)

: 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 impressao 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.

NOTA SOBRE REPARO NO IC502 DA PLACA DMB22

O IC502 da Placa DMB22 não pode ser trocado apenas ele.
Quando essa peça da placa DMB22 estiver danificada, trocar a Placa montada inteira.

REALISAR O TRAVAMENTO DA BANDEJA DOS DISCOS

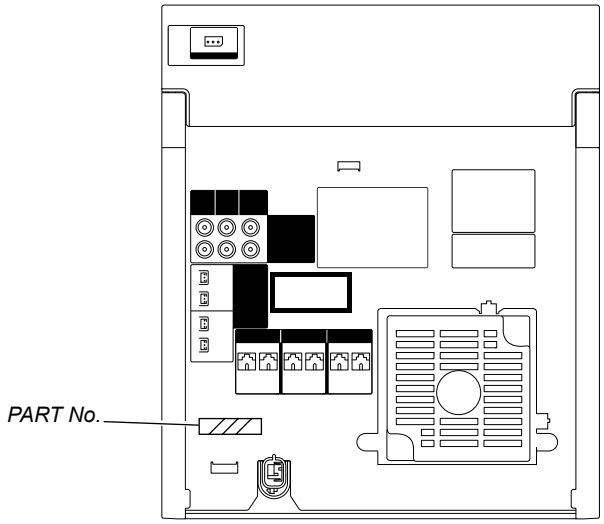
A função de travamento da bandeja dos discos deve ser utilizada para evitar o roubo dos discos em lojas de departamento.

Realisando o Procedimento:

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 menssagem “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 menssagem “UNLOCKED” aparece no display e a bandeja de disco esta destravada.

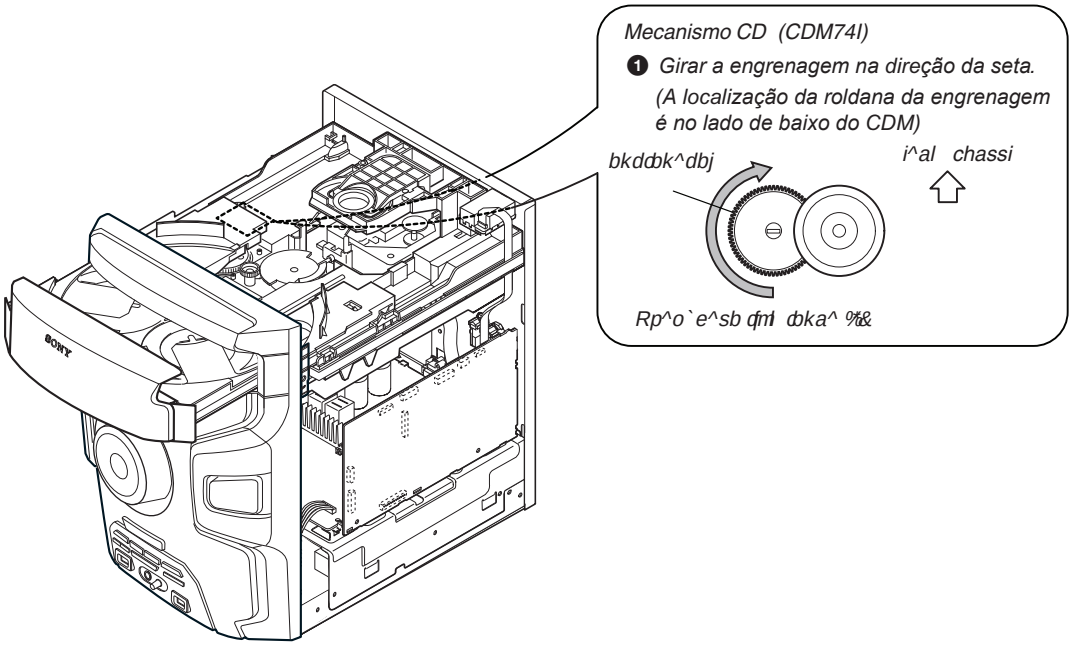
Nota: Quando o botão [I/⏻ STANDBY] for pressionado a fun-«o "LOCKED" tamb®m ®desativada.

IDENTIFICA¢ ë O DO MODELO
– Painel Traseiro –



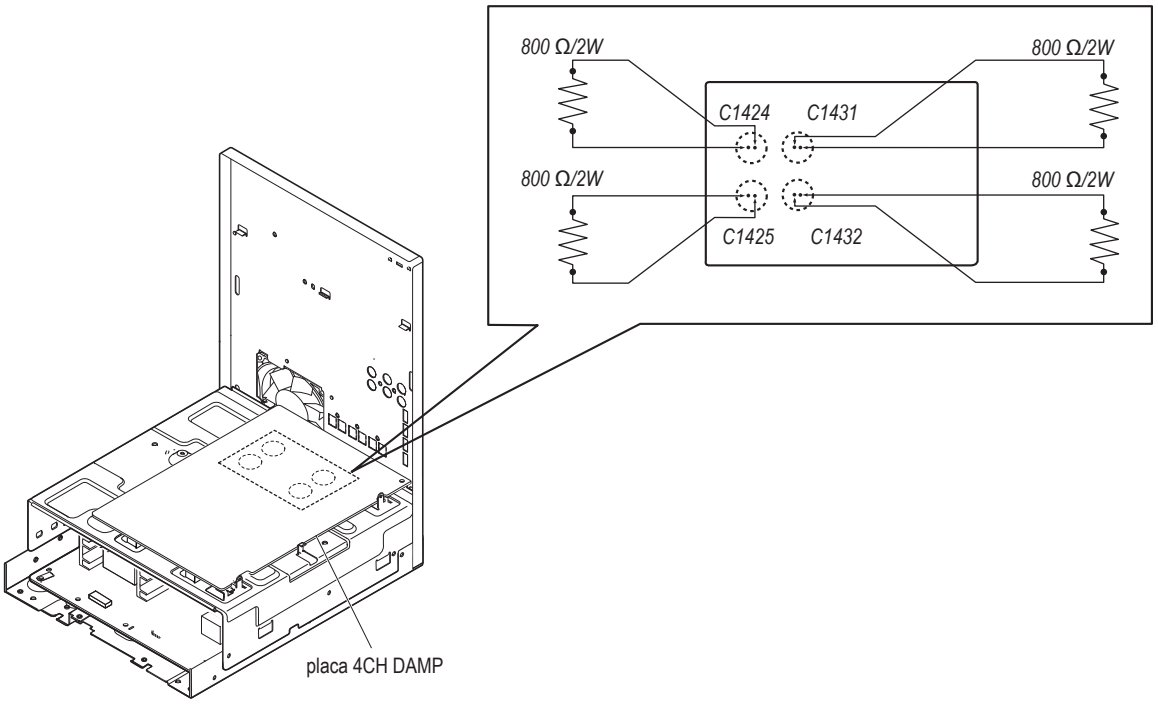
Modelo	Part No.
HCD-GPX8G: E2, E51, E4, BR	4-411-595-0□
HCD-GPX7G: E2, E51,BR	4-411-595-1□
HCD-GPX5G: E2, E51,BR	4-411-595-2□
HCD-GPX8G: MX	4-411-595-3□
HCD-GPX7G: MX	4-411-595-4□
HCD-GPX5G: MX	4-411-595-5□

COMO ABRIR A BANDEJA DOS DISCOS QUANDO O APARELHO ESTIVER DESLIGADO

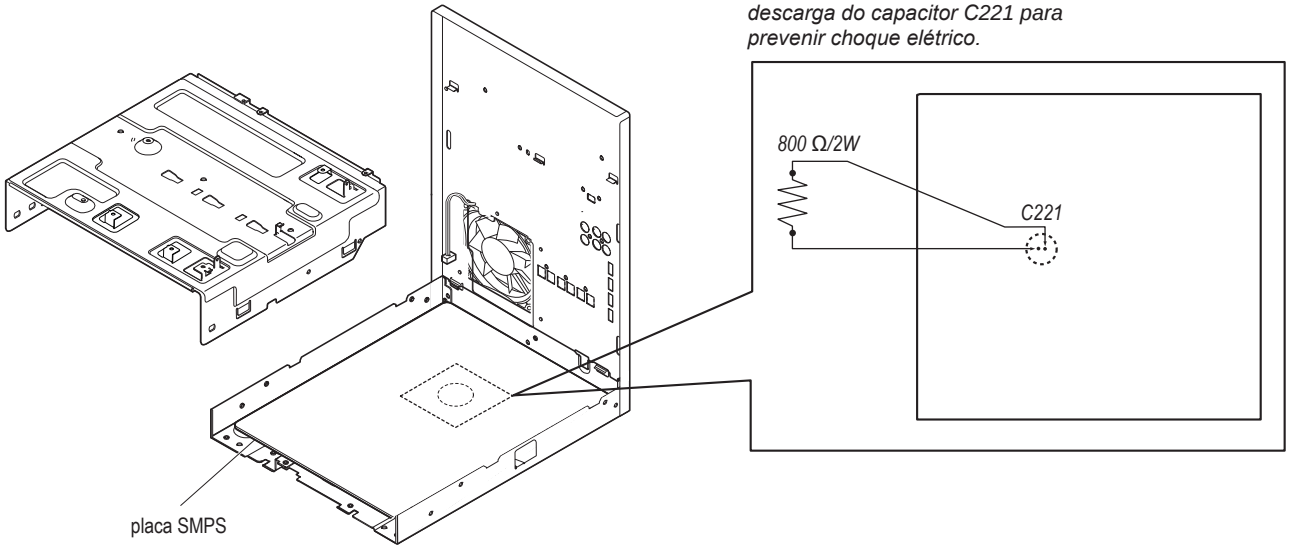


DESCARREGAR CAPACITOR PARA PREVENIR CHOQUE EL£TRICO

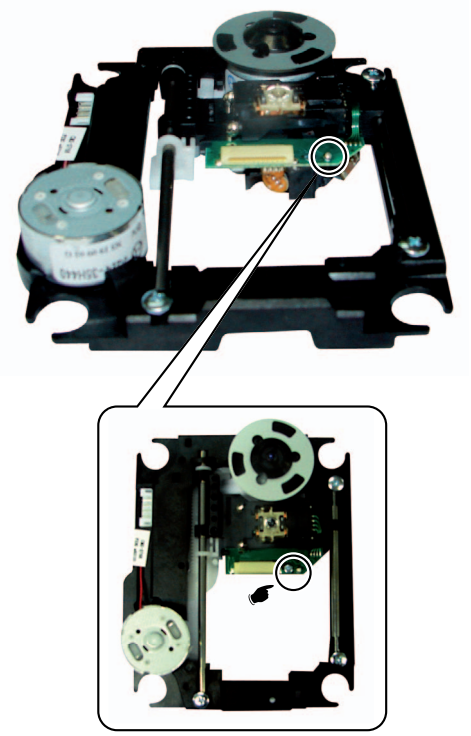
Antes de verificar a placa 4CH DAMP, fazer a descarga dos capacitores C1424, C1425, C1431 e C1432 para prevenir choque elétrico.



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



PRECAU¢ ë O QUANDO INSTALAR A NOVA UNIDADE č TICA/
PRECAU¢ ë O COM ELETRICIDADE ESTĆTICA ANTES DE REMOVER O CURTO DE SOLDA

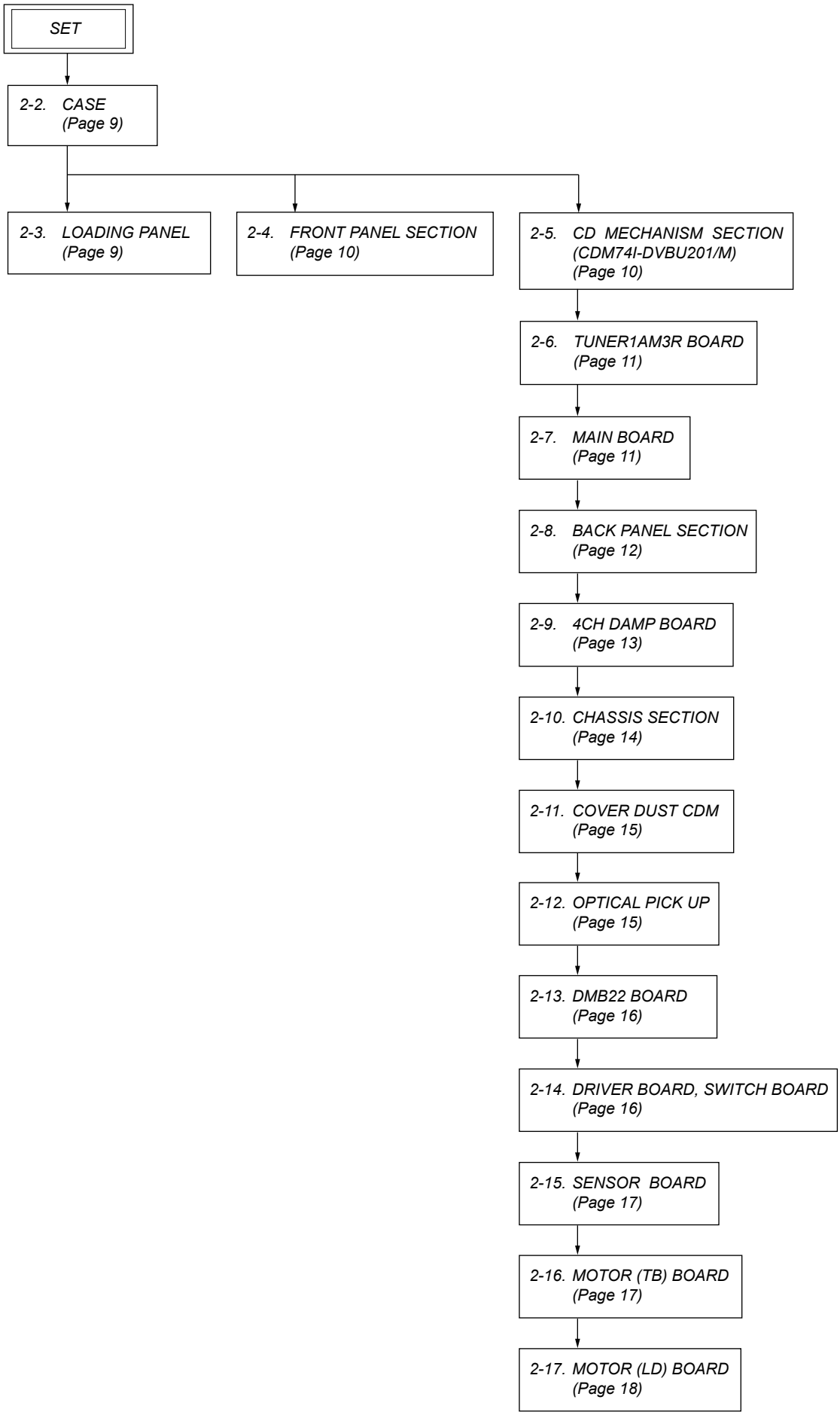


Quando instalar a nova unidade · tica, ela deve ser conectada primeiro a placa de circuito impresso antes de remover o curto de solda.
Para prevenir danos causados pela eletricidade est§tica.
(N«o demore muito tempo removendo o curto de solda da unidade · tica)
(Não remova o curto de solda a unidade ótica não estiver conectada a placa de circuito impresso.)

SECTION 2
DESMONTAGEM

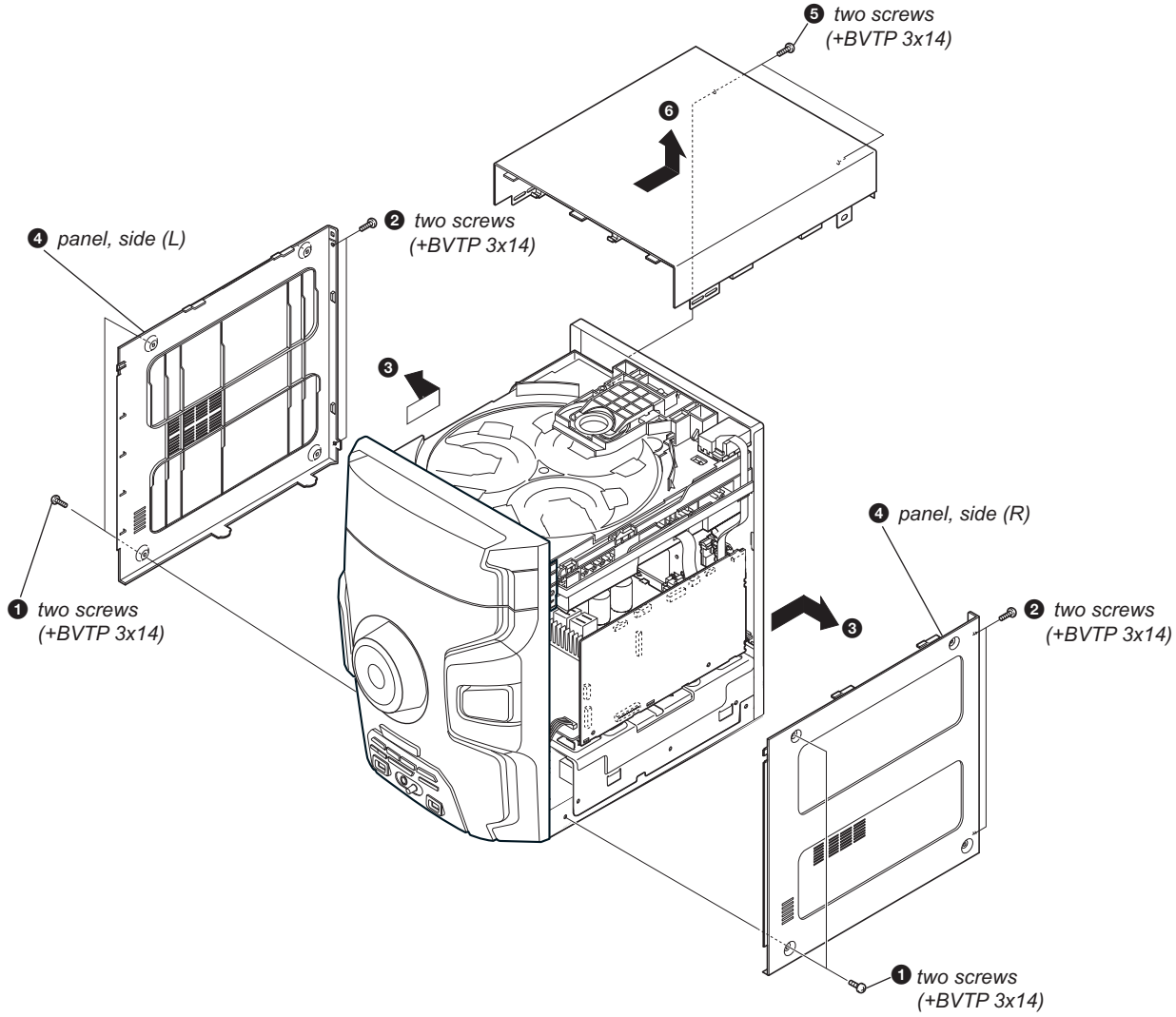
- This set can be disassembled in the order shown below.

2-1. SEQUąNCIA DE DESMONTAGEM

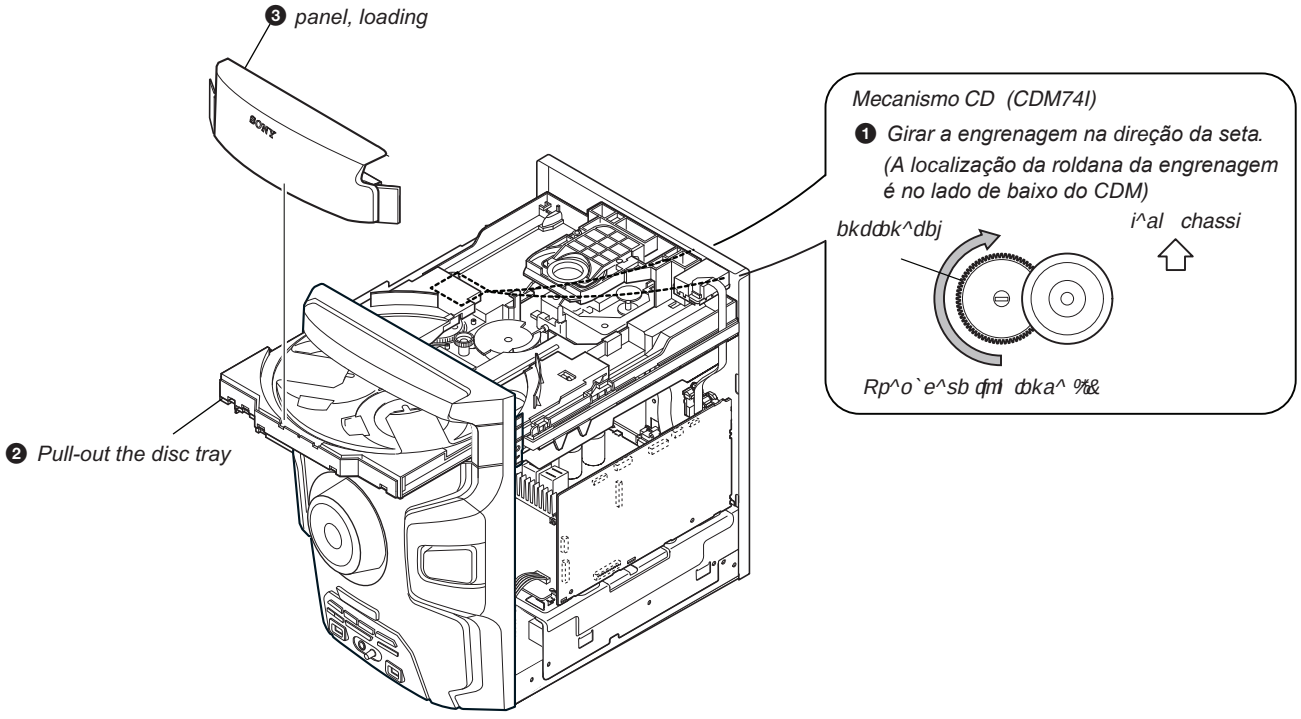


Note: Follow the disassembly procedure in the numerical order given.

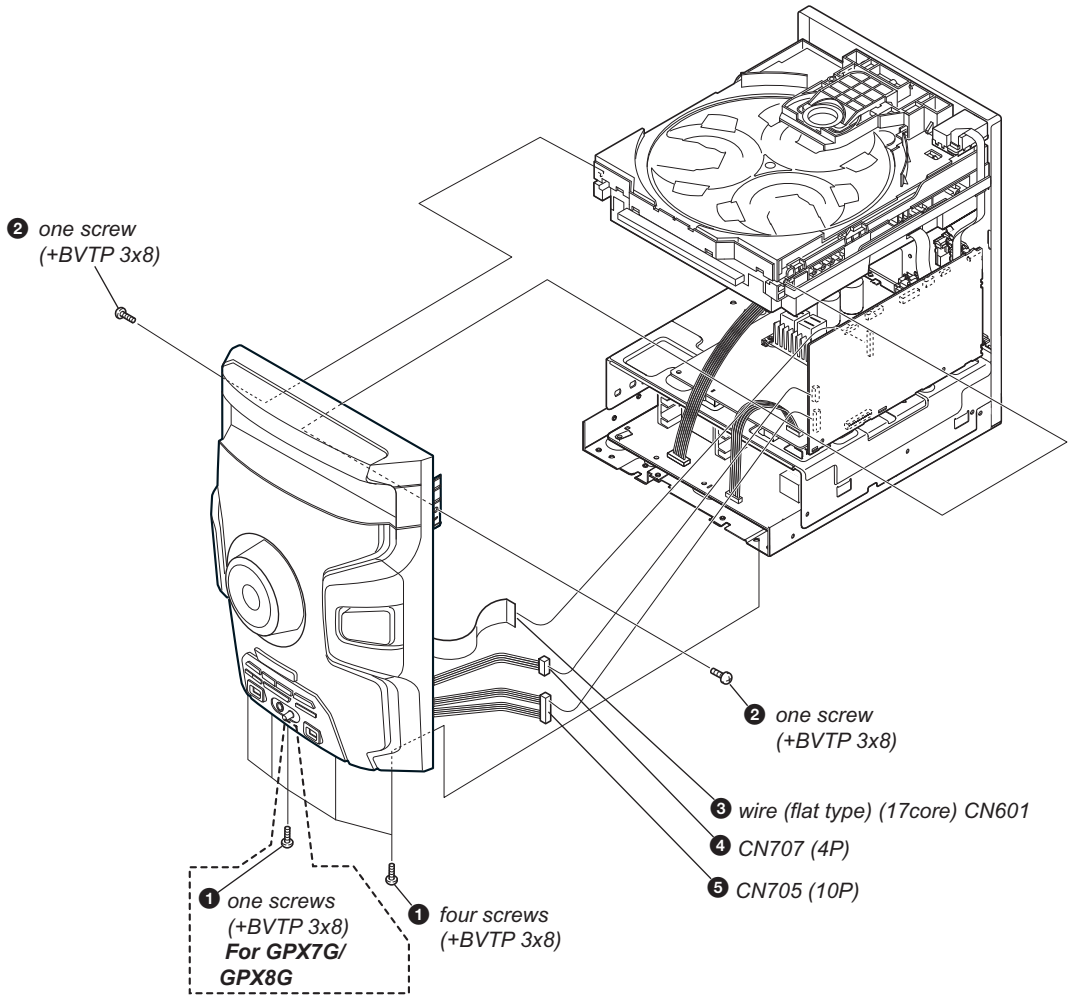
2-2. TAMPA



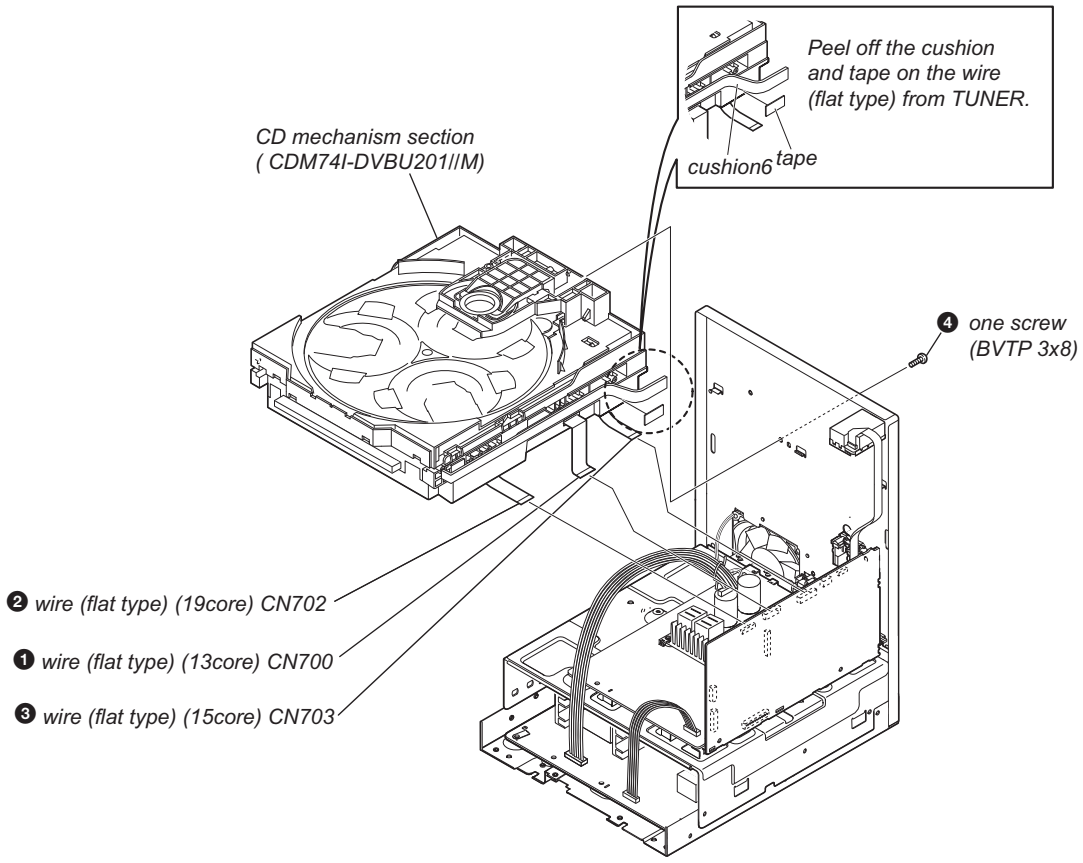
2-3. PAINEL DE CARREGAMENTO



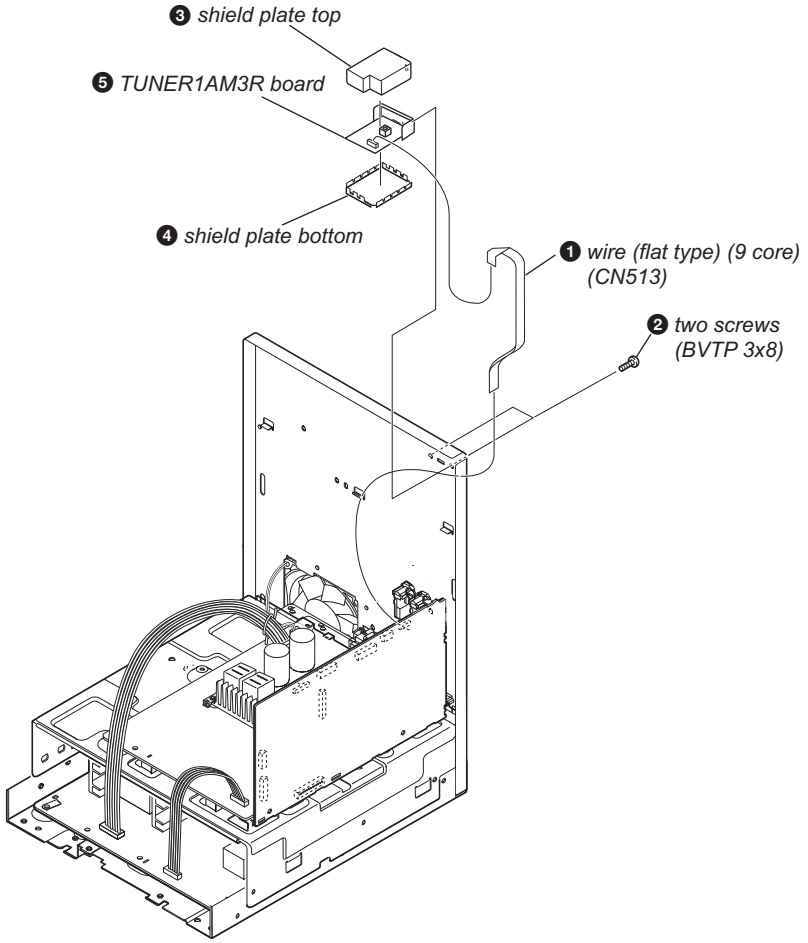
2-4. SE¢ë O PAINEL FRONTAL



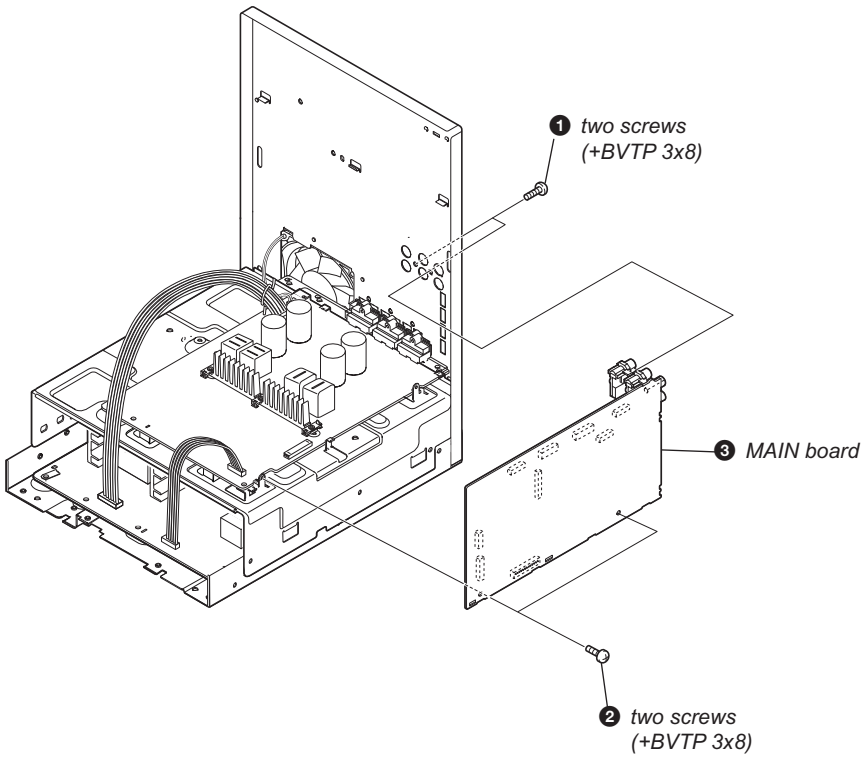
2-5. SE¢ë O MECANISMO CD (CDM74I-DVBU201//M)



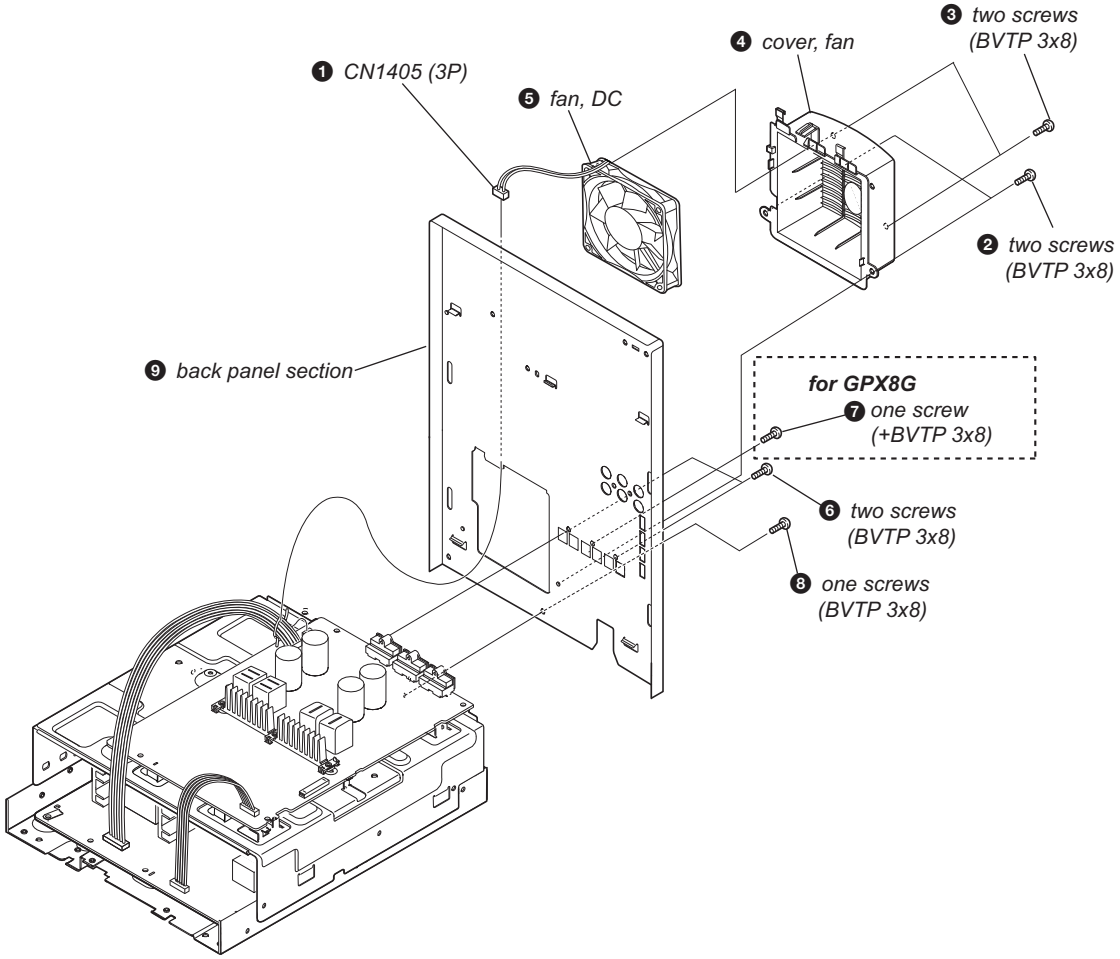
2-6. PLACA TUNER1AM3R



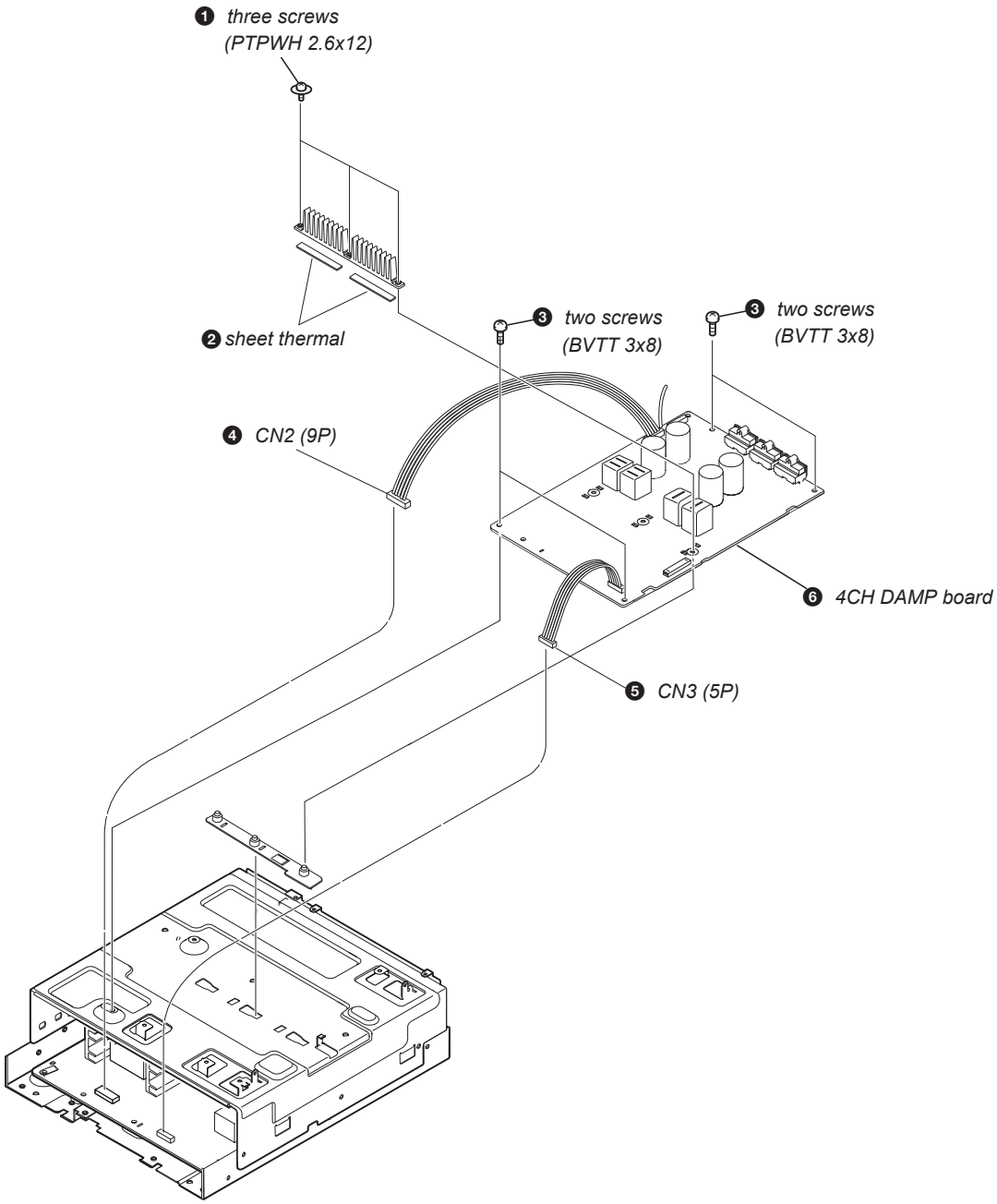
2-7. PLACA MAIN



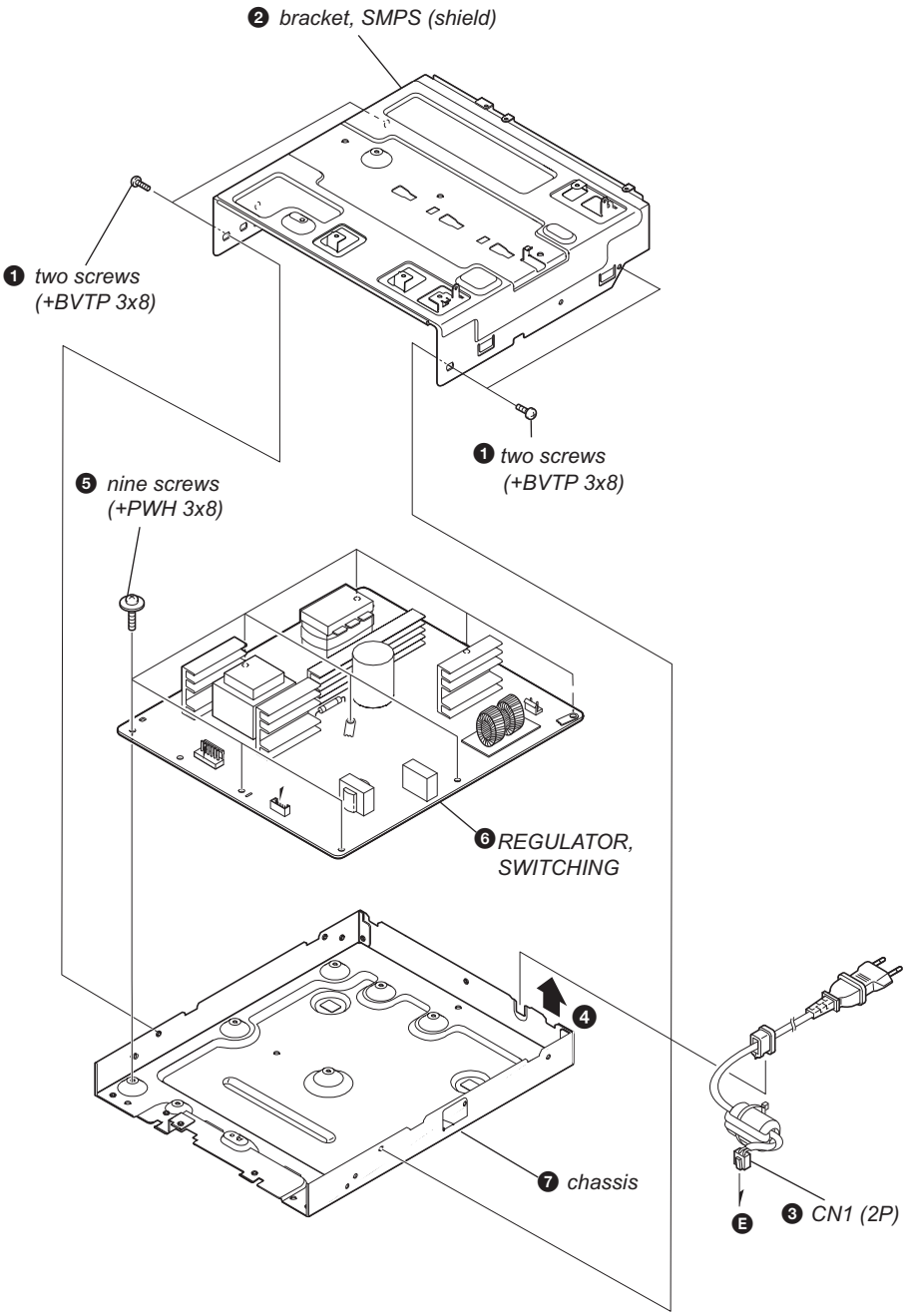
2-8. SE¢ë O PAINEL TRASEIRO



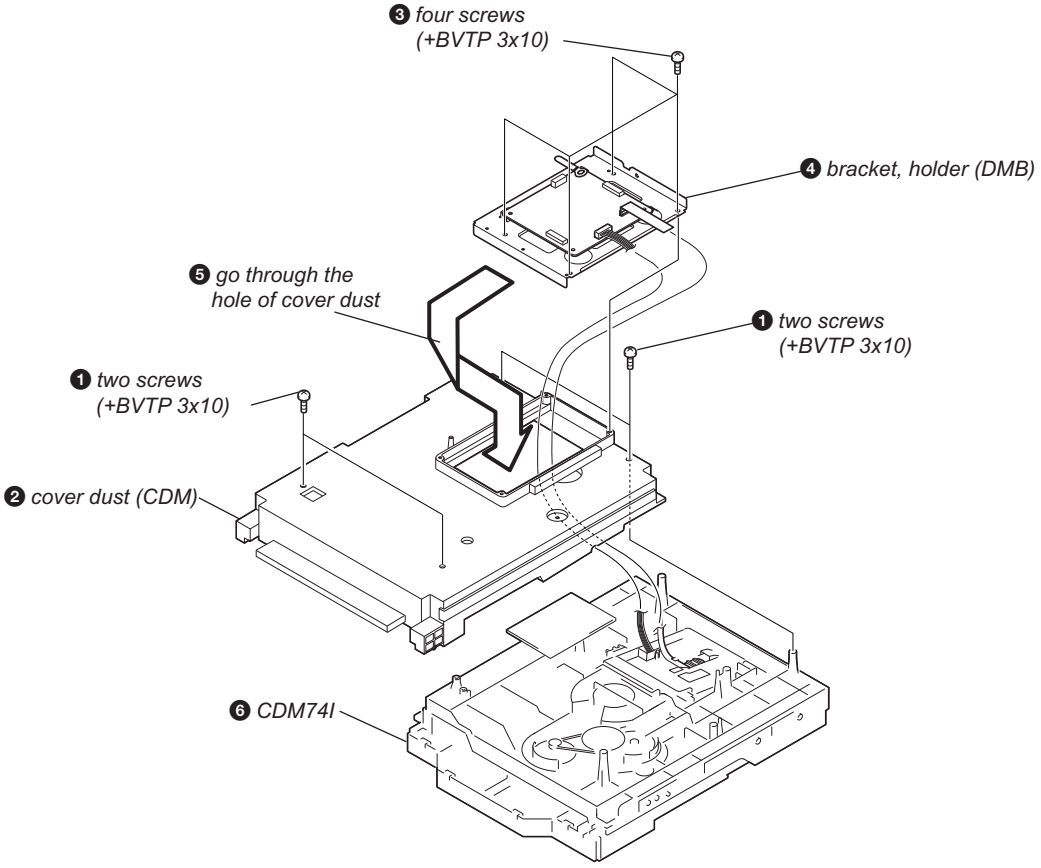
2-9. PLACA 4CH DAMP



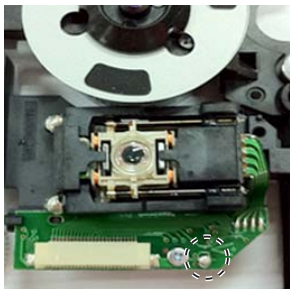
2-10. SE¢ëO CHASSI



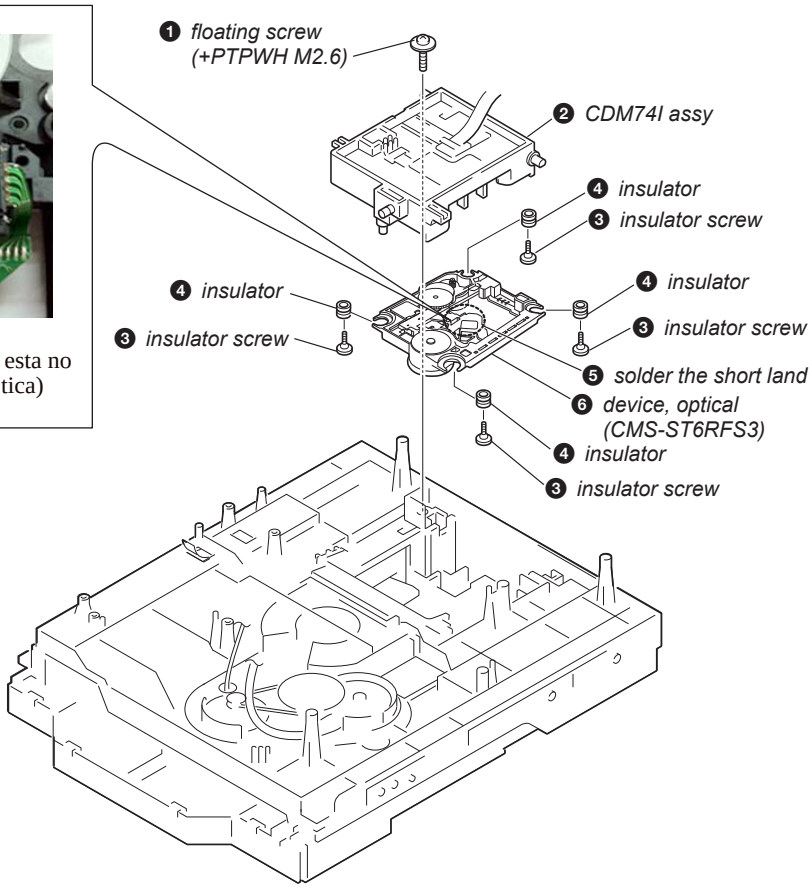
2-11. TAMPA DUST CDM



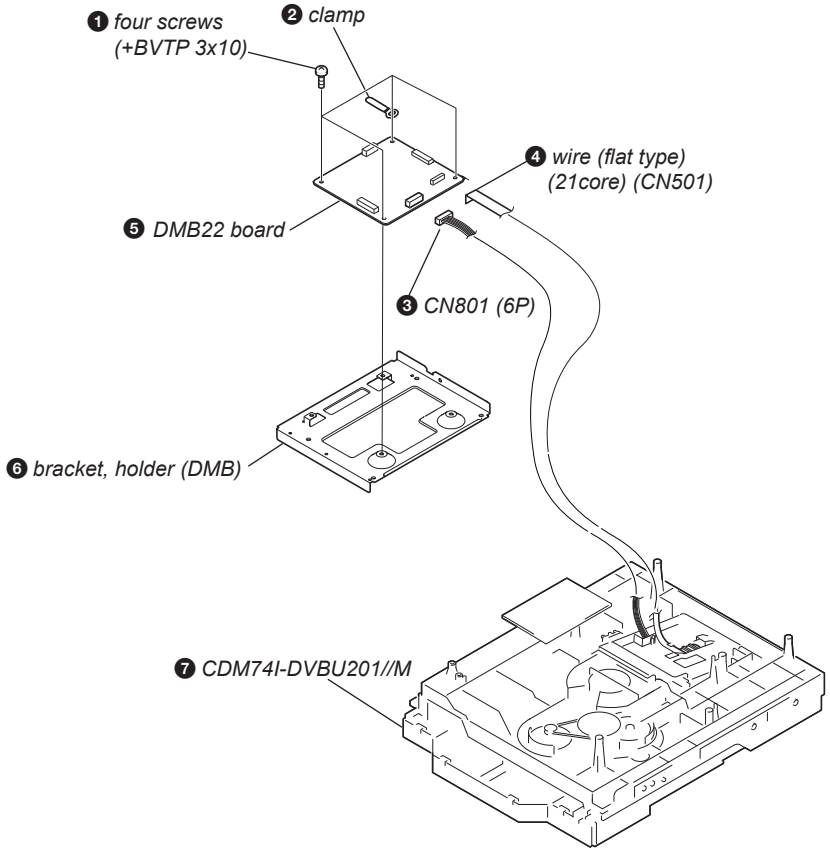
2-12. UNIDADE č TICA



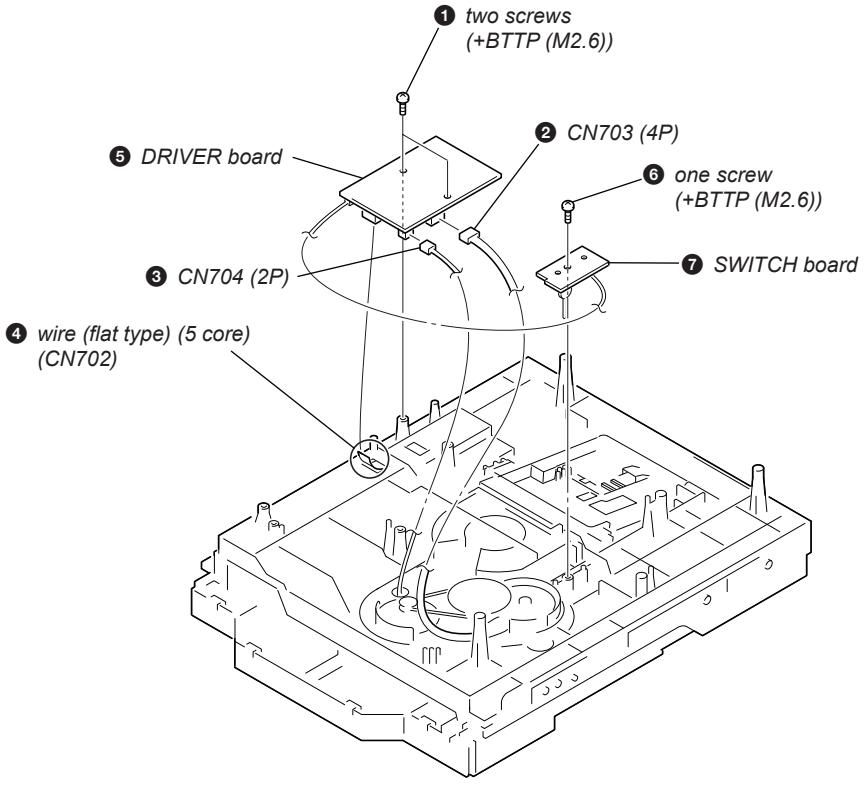
Ilha do curto de Solda
(A localizal-«o deste ponto esta no lado de cima da unidade · tica)



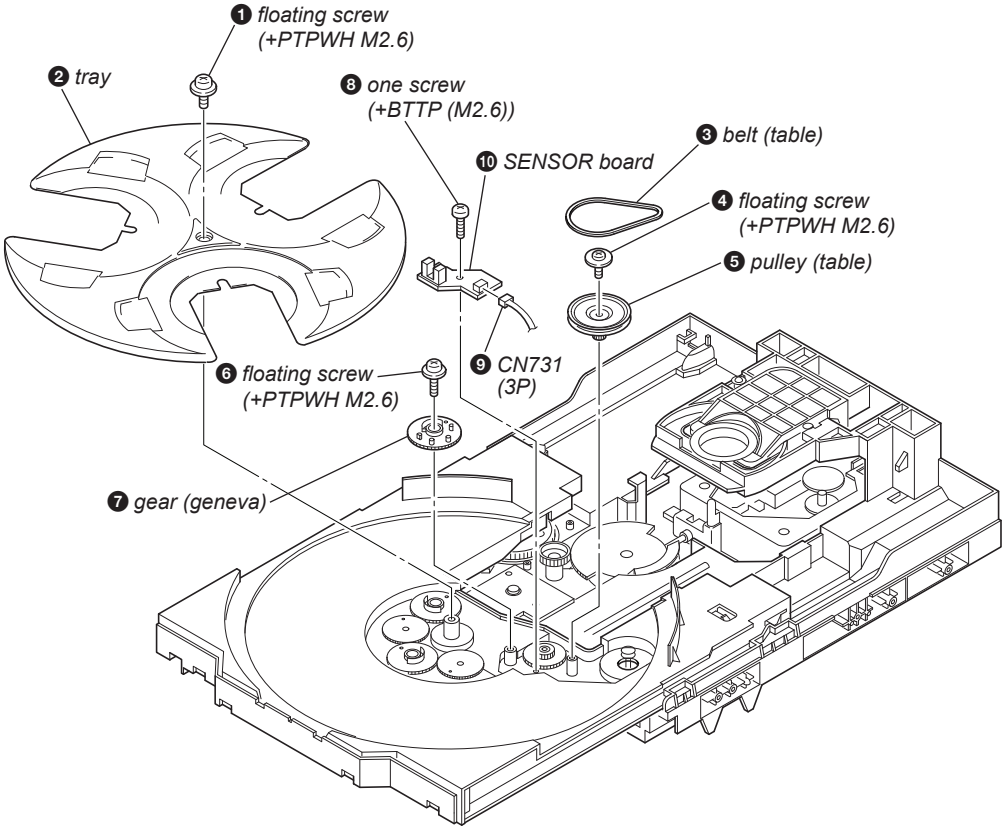
2-13. PLACA DMB22



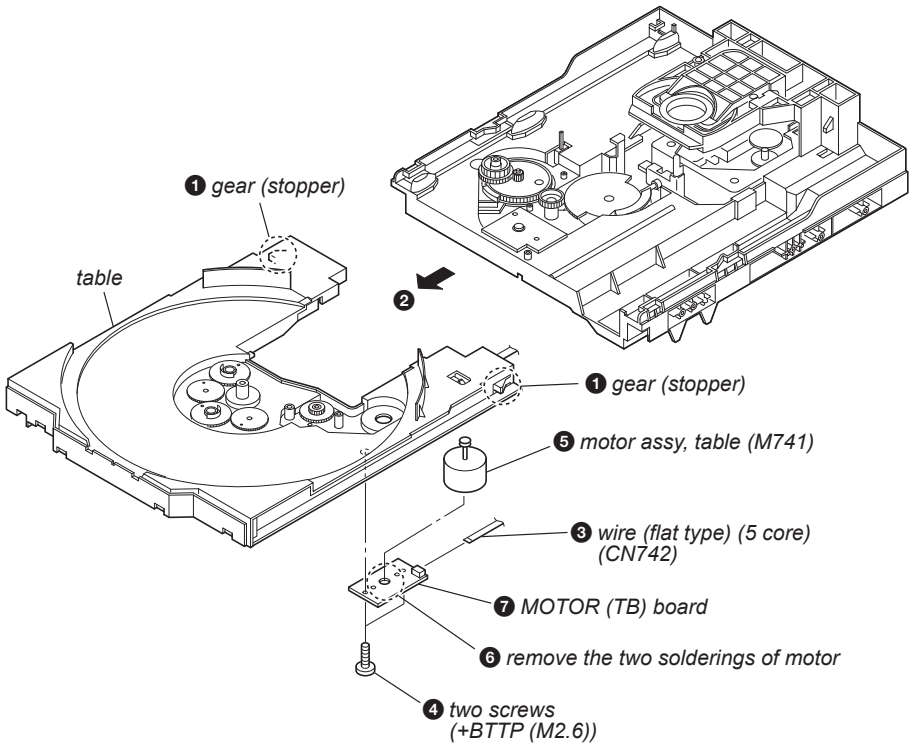
2-14. PLACA DRIVER, PLACA SWITCH



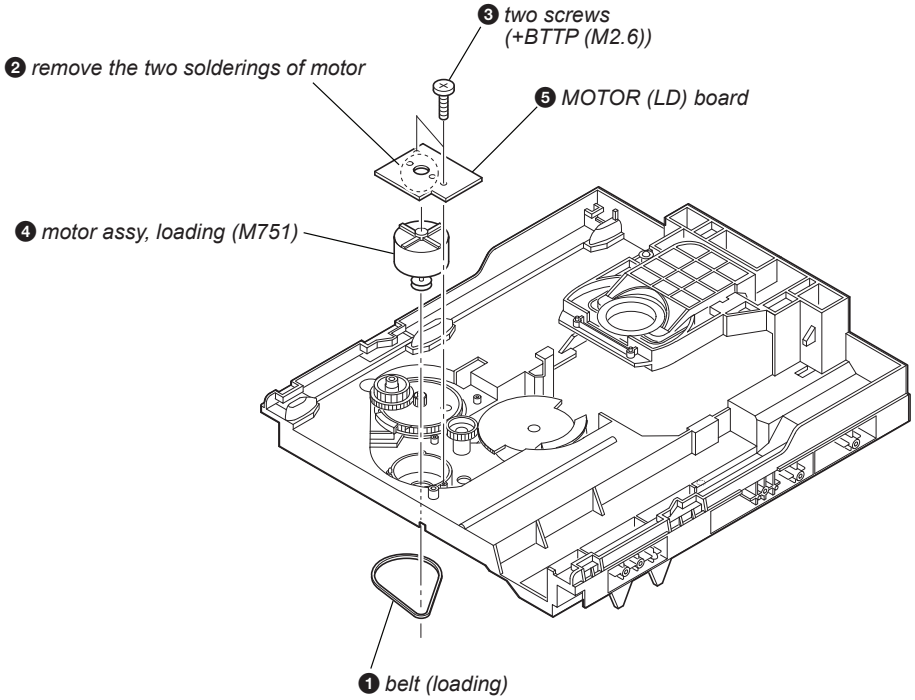
2-15. PLACA SENSOR



2-16. PLACA MOTOR (TB)



2-17. PLACA MOTOR (LD)



SEÇÃO 3
MODO DE 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:

1. Press [CD/DISC SKIP] button and [TUNER/BAND] button simultaneously and hold 3 seconds.
2. All LEDs and segments in fluorescent indicator tube are lighted up.
3. When you want to enter to the software version display mode, press [🗀+ / ↑] button. The model information appears on the fluorescent indicator tube.
   - "GPX 3S" is shown for MHC-GPX5.
   - "GPX 4" is shown for MHC-GPX7.
   - "GPX 7S" is shown for MHC-GPX8.

   Press [🗀+ / ↑] button again to view the destination information.
4. 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, MTK (DMB Board firmware version), UI, PF, SYS, CD, CDMA, CDMB, ST, TA, TAS, TM and return back to model information display.
5. 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.
6. Press [🗀+ / ↓] button, the key check mode is activated.
7. 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.
8. 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.
9. 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

1. Press [USB/USB SELECT] button and [BASS BAZUCA] button simultaneously and hold for 3 seconds.
2. The function is changed to TV and the volume is changed to VOLUME MIN.

- Check of Amplifier

1. Press [MUSIC] button repeatedly until a message "GEQ MAX" appears on the fluorescent indicator tube. GEQ increases to its maximum.
2. Press [MUSIC] button repeatedly until a message "GEQ MIN" appears on the fluorescent indicator tube. GEQ decreases to its minimum.
3. Press [MUSIC] button repeatedly until a message "GEQ FLAT" appears on the fluorescent indicator tube. GEQ is set to flat.
4. 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.
5. 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

1. To release from this mode, press [I/⏻ STANDBY] button.
2. 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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Press [■] button and [I/⏻ STANDBY] button simultaneously for 3 seconds.
  3. "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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Press [ENTER] button and [GAME] button simultaneously for 3 seconds.
  3. "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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Press [TUNER/BAND] button repeatedly to select the "AM".
  3. Press [I/⏻ STANDBY] button to turn off the system.
  4. Press [LED EFFECT] button and [I/⏻ 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 SHIP MODE (WITH MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration and clears all data including preset data stored in the EEPROM to initial conditions during the next AC-In. Use this mode when returning the set to the customer after repair.

- Procedure:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Select CD function.
  3. Press [ENTER] button and [MUSIC] button simultaneously for 3 seconds. The system turns off automatically.
  4. A message "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.

[CD SHIP MODE (WITHOUT MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.
- Procedure:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Select CD function.
  3. Press [BASS BAZUCA] button and [I/⏻ STANDBY] button simultaneously. The system turns off automatically.
  4. A message
     "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.

[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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Select CD function.
  3. 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 use 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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Press [CD/DISC SKIP] 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:
  1. Press [I/⏻ STANDBY] button to turn on the system.
  2. Select CD function and All DISC play mode.
  3. Put discs on all trays and close the tray.
  4. Press [🗀+ / ↑] button and [■] button simultaneously for 3 seconds.
  5. The fluorescent indicator tube displays Aging Display "AG xxxx/yyyy".
     "xxxx" represents the error counter
     (Maximum Value of "xxxx" = 9999)
     "yyyyy" represents the cycle counter
     (Maximum Value of "yyyy" = 9999)
  6. 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
  7. 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:
  1. During demo mode, press [▶II] button and [BASS BAZUCA] for 5 seconds to mode in to history mode.
  2. 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					※	※
Subwoofer Setting	S	W								※	※	※
Surround Setting	S	U	R	R						※	※	※
DJ Effect Setting	D	J		※	※	※	※	※	※		※	※
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:
  3. During protection on, fluorescent indicator tube shows blinking message "PROTECT EXX".
     "EXX" – represent the error code.
  4. Press [▶II] button & [■] button simultaneously.
  5. 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 over current condition to MOSFET 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 [▶II] 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.

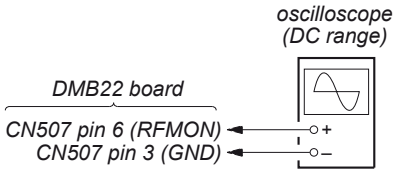
- To release from this mode.
  Press [►II] button and [■] button simultaneously again or unplug and re-plug in the power cord.

SEÇÃO 4
VERIFICAÇÃO ELÉTRICA

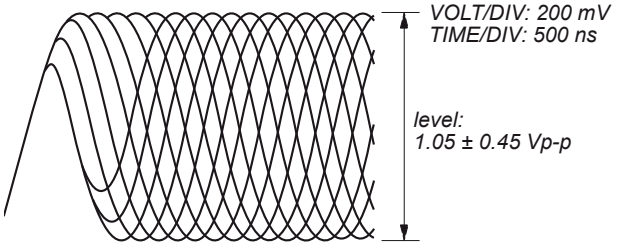
CD SECTION

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 specifi ed value with the following checks.
5. Check the focus bias check when optical pick-up block is replaced.

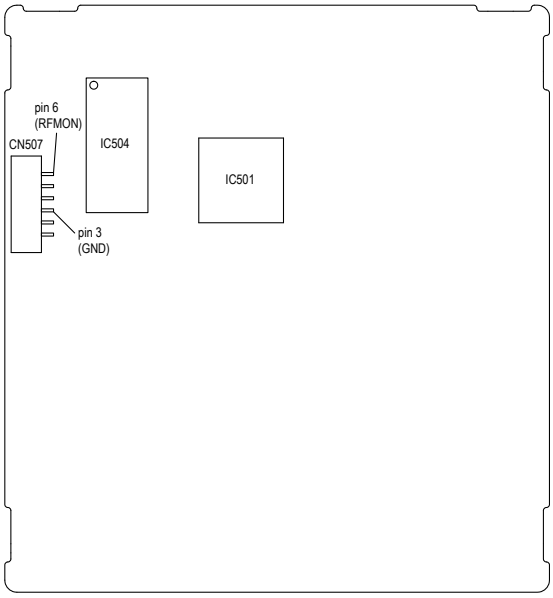
FOCUS BIAS CHECK



Procedure :
1. Connect the oscilloscope to CN507 pin 6 (RFMON) and CN507 pin 3 (GND) on the DMB22 board.
2. Press the [I/⏻ STANDBY] button to turn the power on, and press the [CD/DISC SKIP] button to select CD function.
3. Set disc (YEDS-18) and press the [►II] button to playback.
4. Confi rm that oscilloscope waveform is as shown in the fi gure below (eye pattern).
   A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.



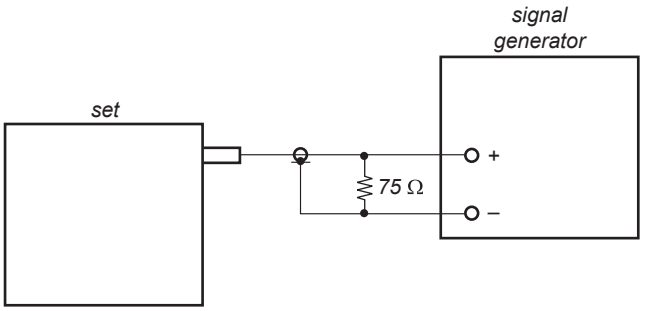
Checking Location:
-DMB22 Board (SideA)-



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)

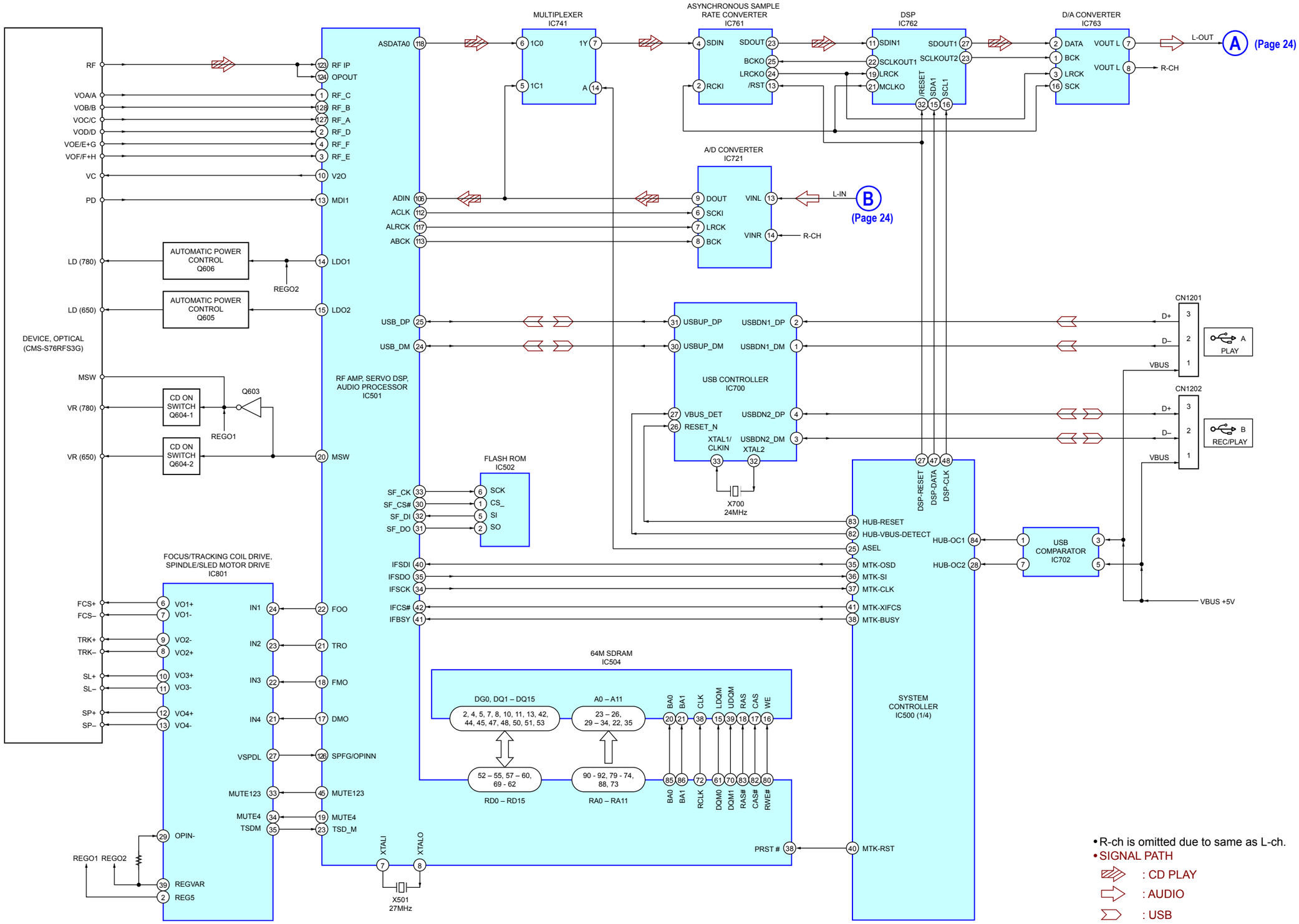
Note: Please use 75 ohm “coaxial cable” to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

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.

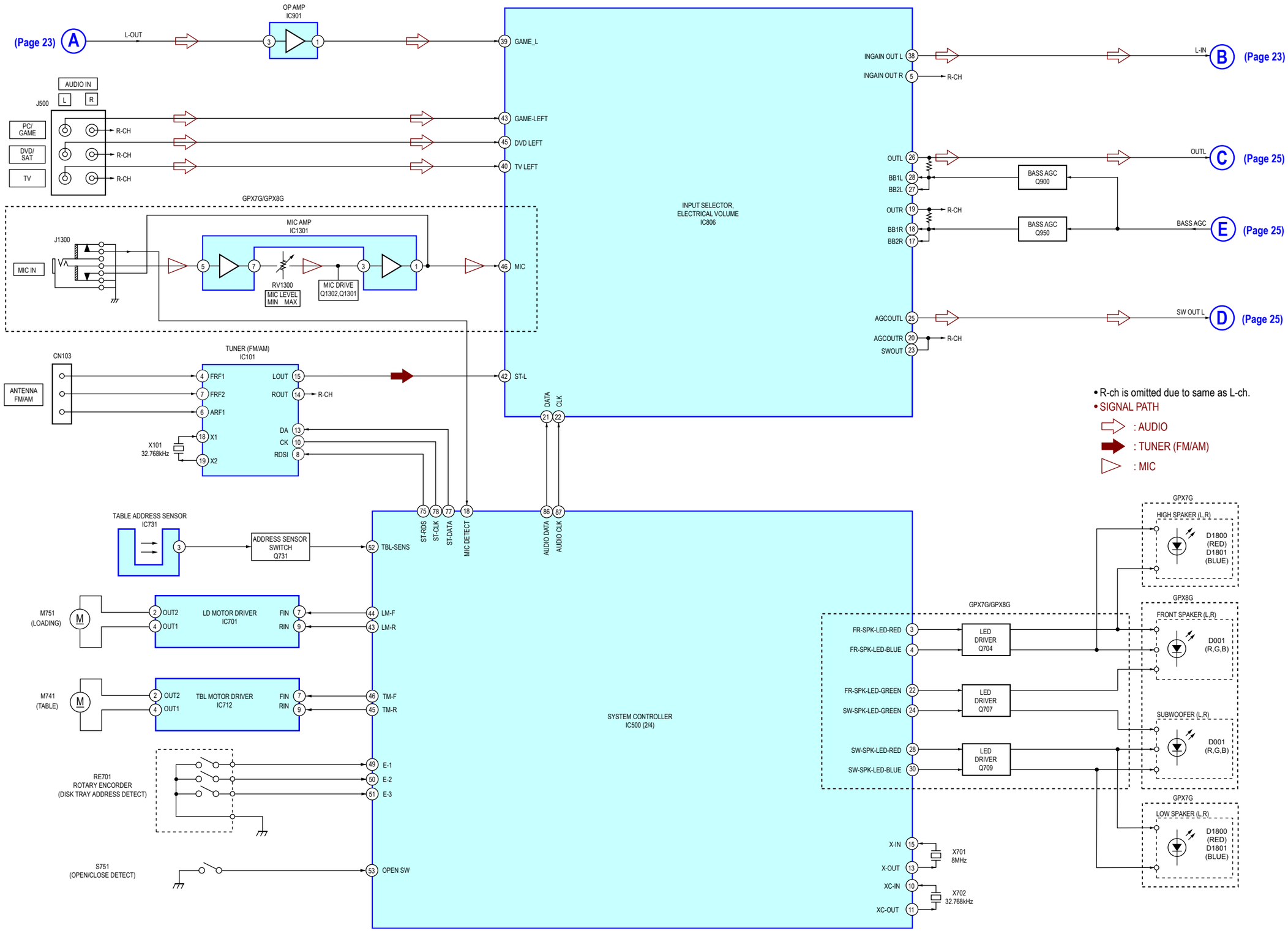
The stop of automatic scanning means “The station signal is received in good condition”.

SEÇÃO 5
DIAGRAMAS

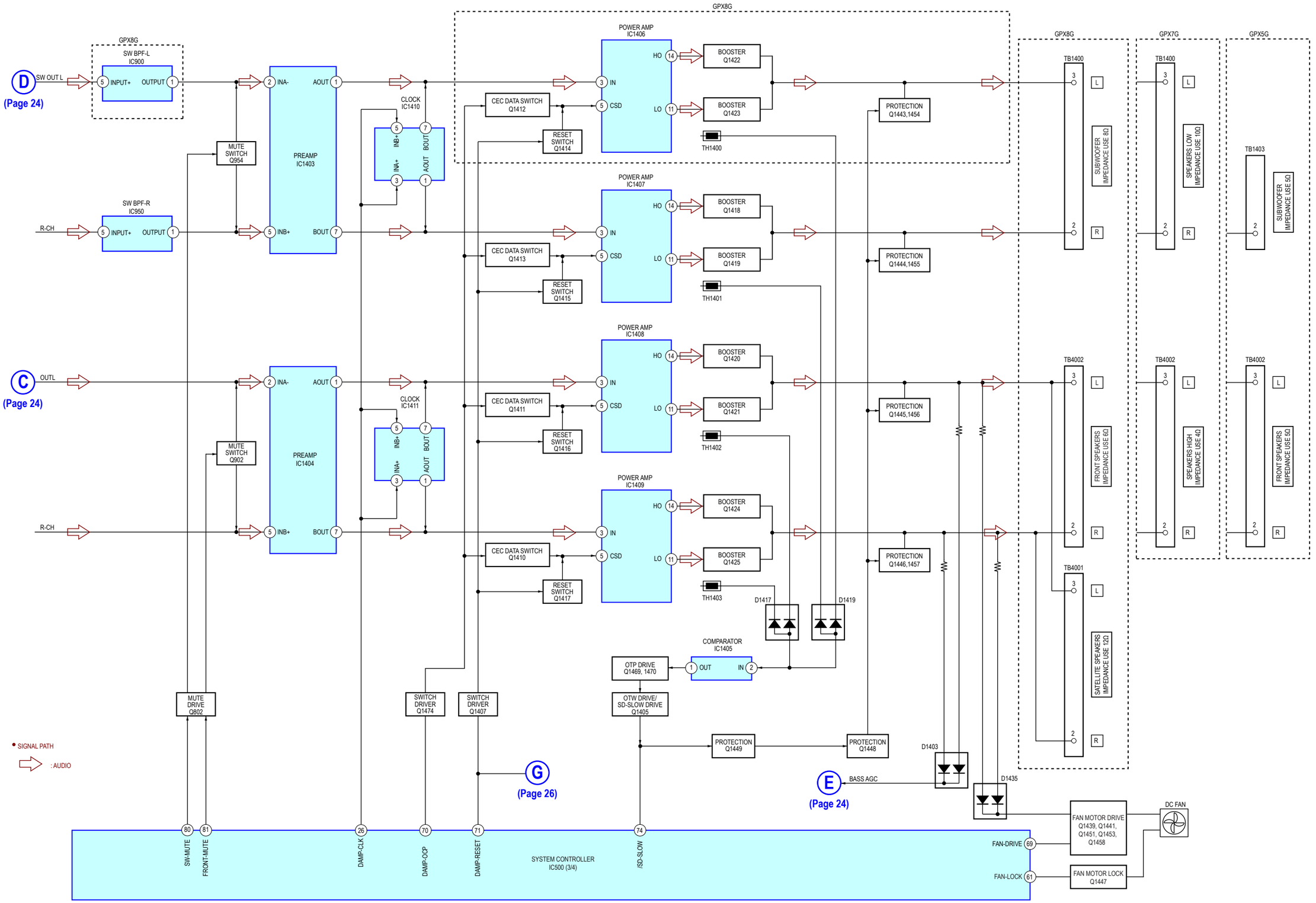
5-1. DIAGRAMA EM BLOCO – Seção CD/USB –



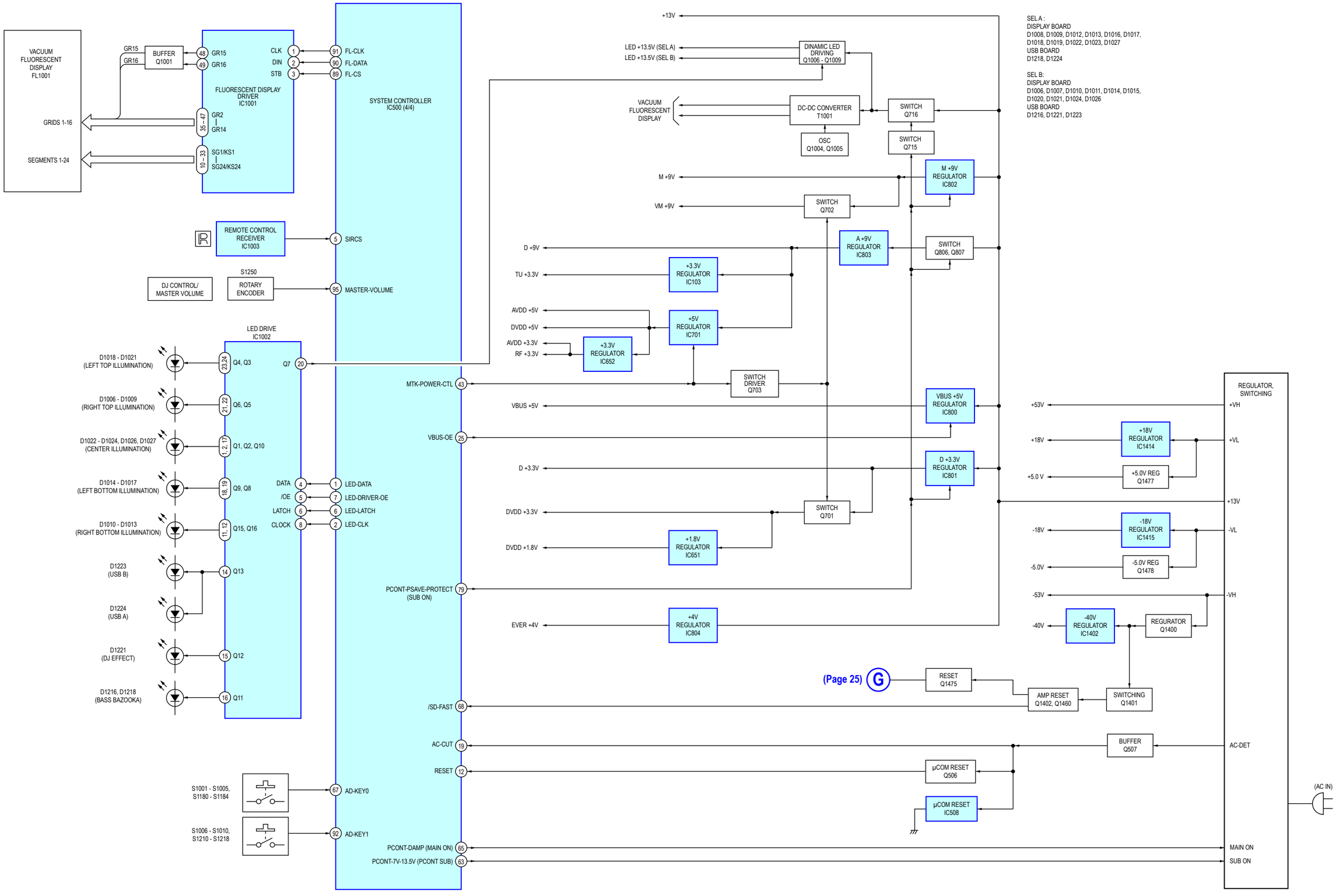
5-2. DIAGRAMA EM BLOCO – Se- «o MAIN –



5-3. DIAGRAMA EM BLOCO – Se- «o AMP –



5-4. DIAGRAMA EM BLOCO - Se- «o PAINEL/FONTE DE ALIMENTA¢ ë O



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:

- o——: Parts extracted from the component side.
- ———: Parts extracted from the conductor side.
- △ : Internal component.
- : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:

Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:

Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

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

For Schematic Diagrams.

Note:

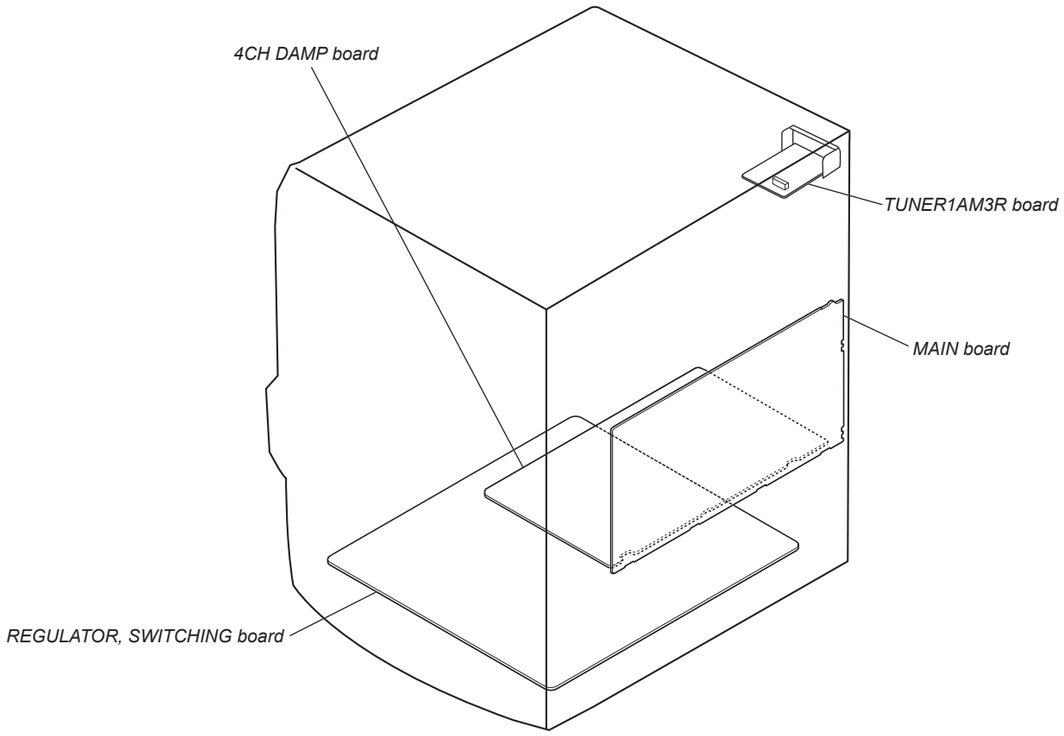
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : Internal component.
- : Nonflammable resistor.
- : Fusible resistor.
- : Panel designation.

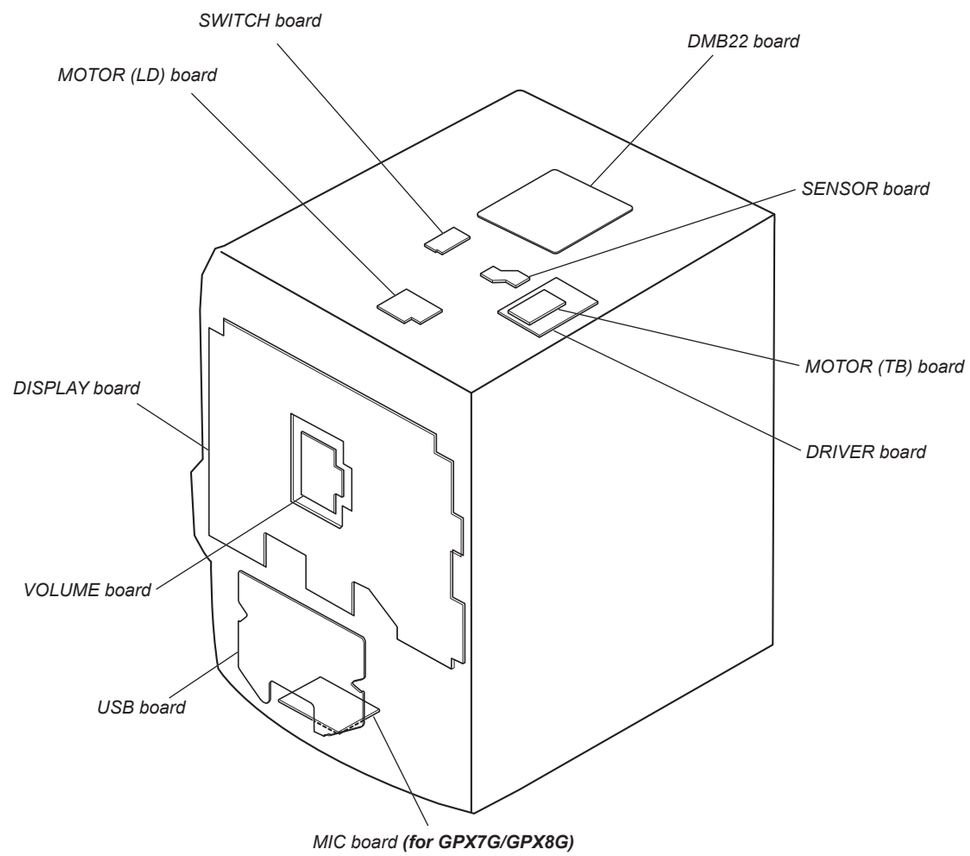
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER (FM)
  * : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ). 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
  : TUNER (FM/AM)
  : MIC
  : CD PLAY
  : USB

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

- **Localização das Placas**

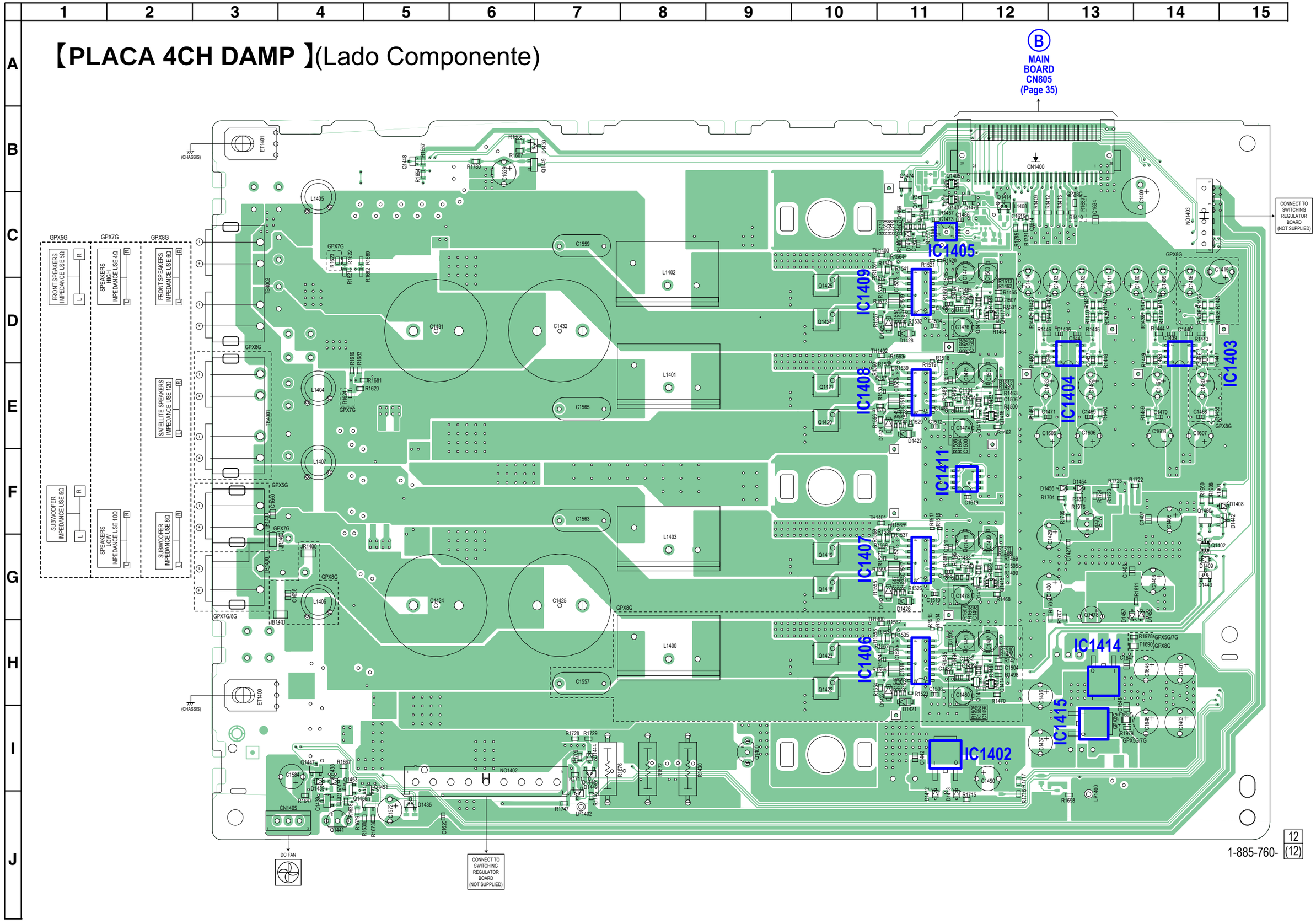




5-5. PLACA DE CIRCUITO IMPRESSO – Placa 4CH DAMP (lado Componente) –

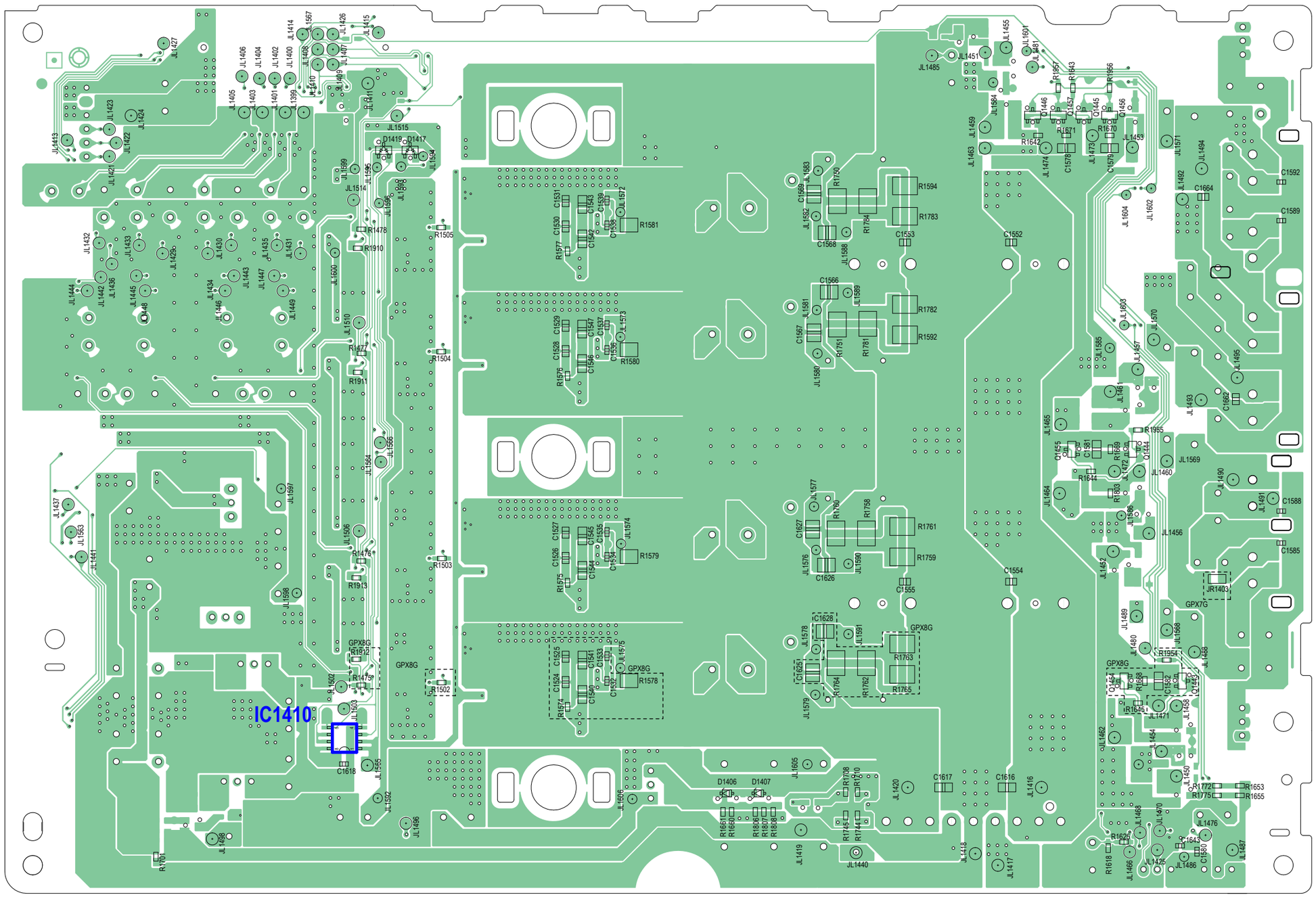
• See page 27 for Circuit Boards Location. • : Uses unleaded solder.

【PLACA 4CH DAMP 】(Lado Componente)



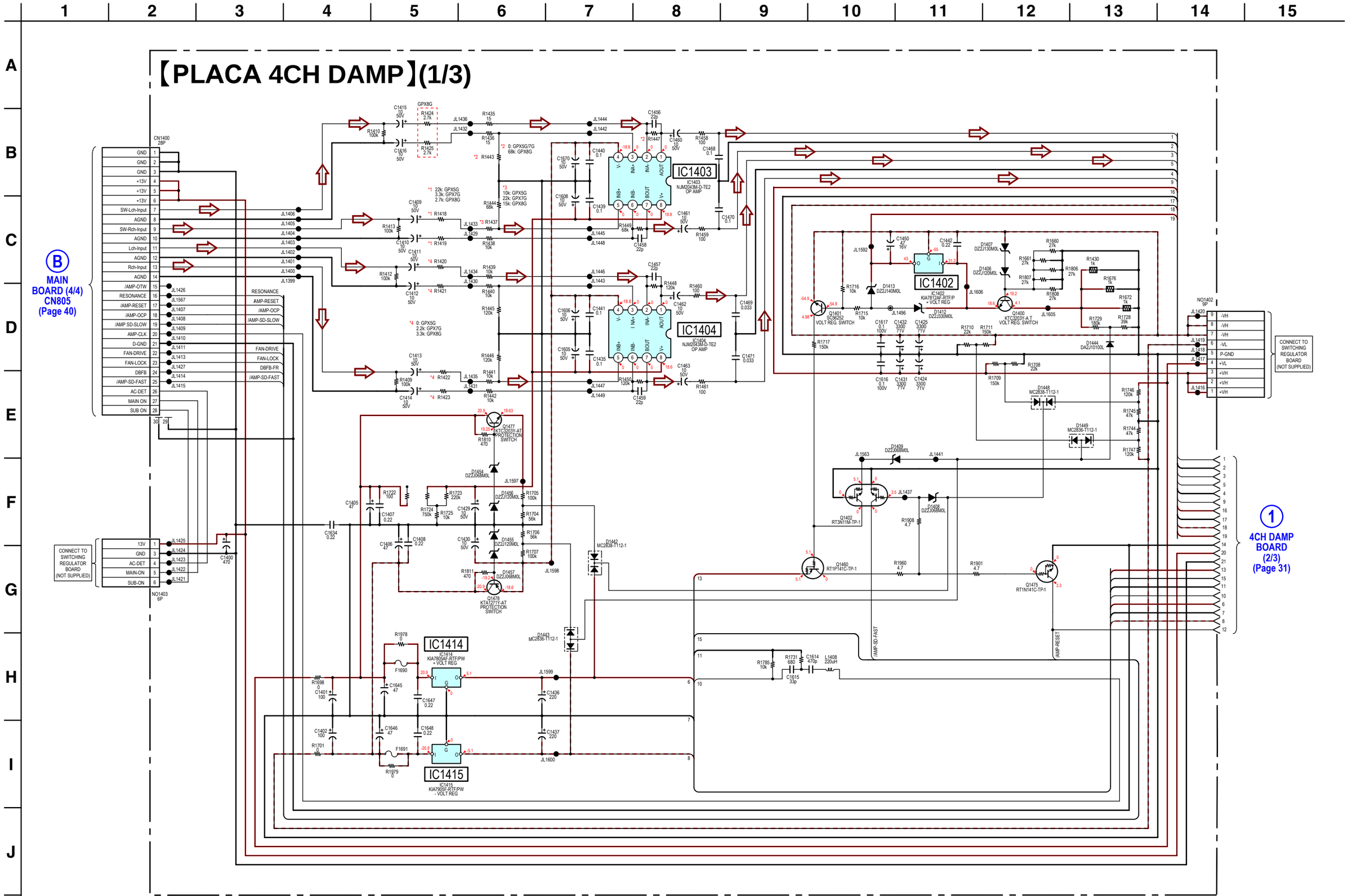
5-6. PLACA DE CIRCUITO IMPRESSO – Placa 4CH DAMP (Lado Cobreado) – • See page 27 for Circuit Boards Location. • : Uses unleaded solder.

【PLACA 4CH DAMP 】(Lado Cobreado)



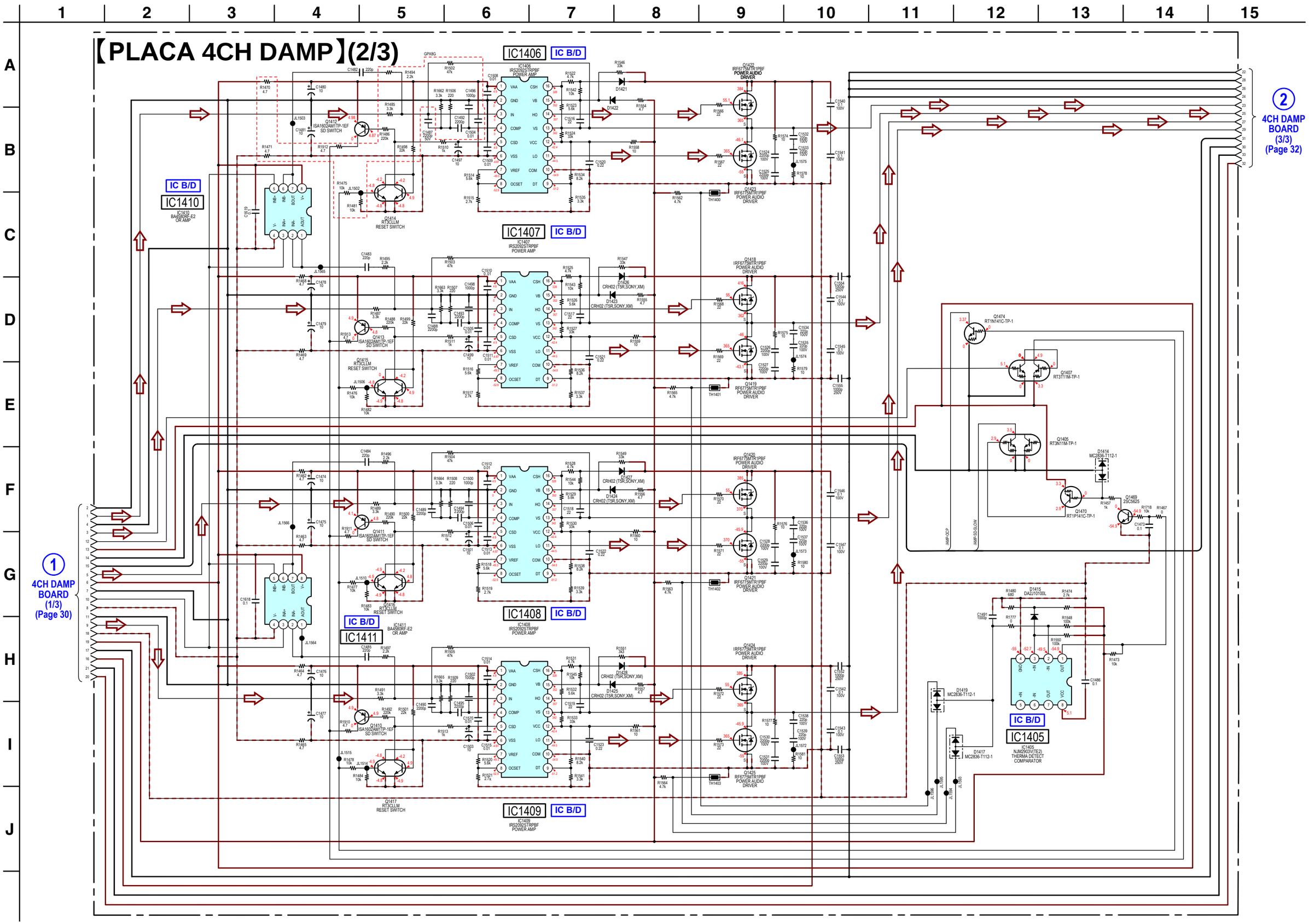
1-885-760- 12 (12)

5-7. DIAGRAMA ESQUEMĆTICO – Placa 4CH DAMP (1/3)



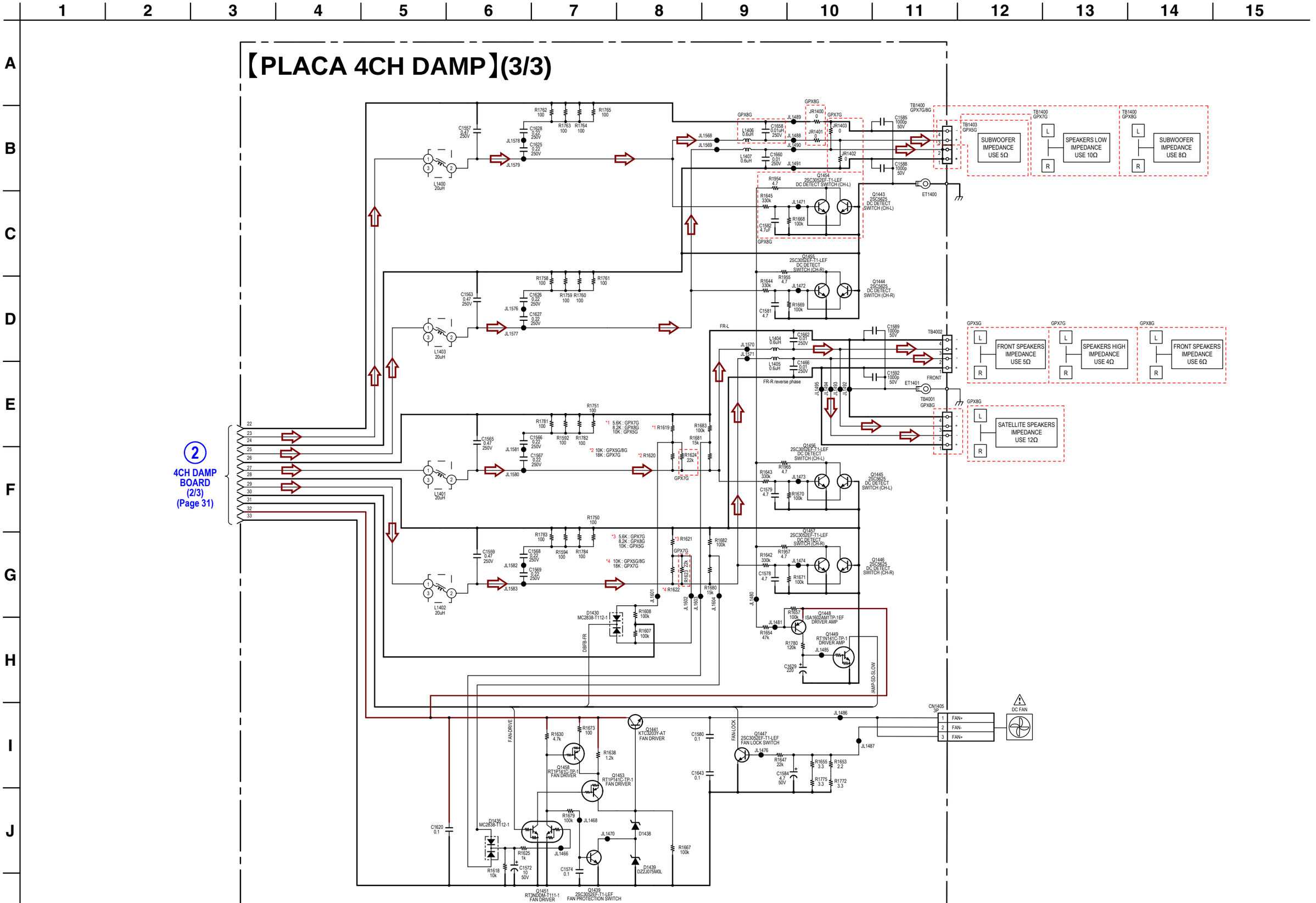
5-8. DIAGRAMA ESQUEMĆTICO – Placa 4CH DAMP (2/3)

• See page 51 for IC Block Diagrams.



5-9. DIAGRAMA ESQUEMĆTICO – Placa 4CH DAMP (3/3)

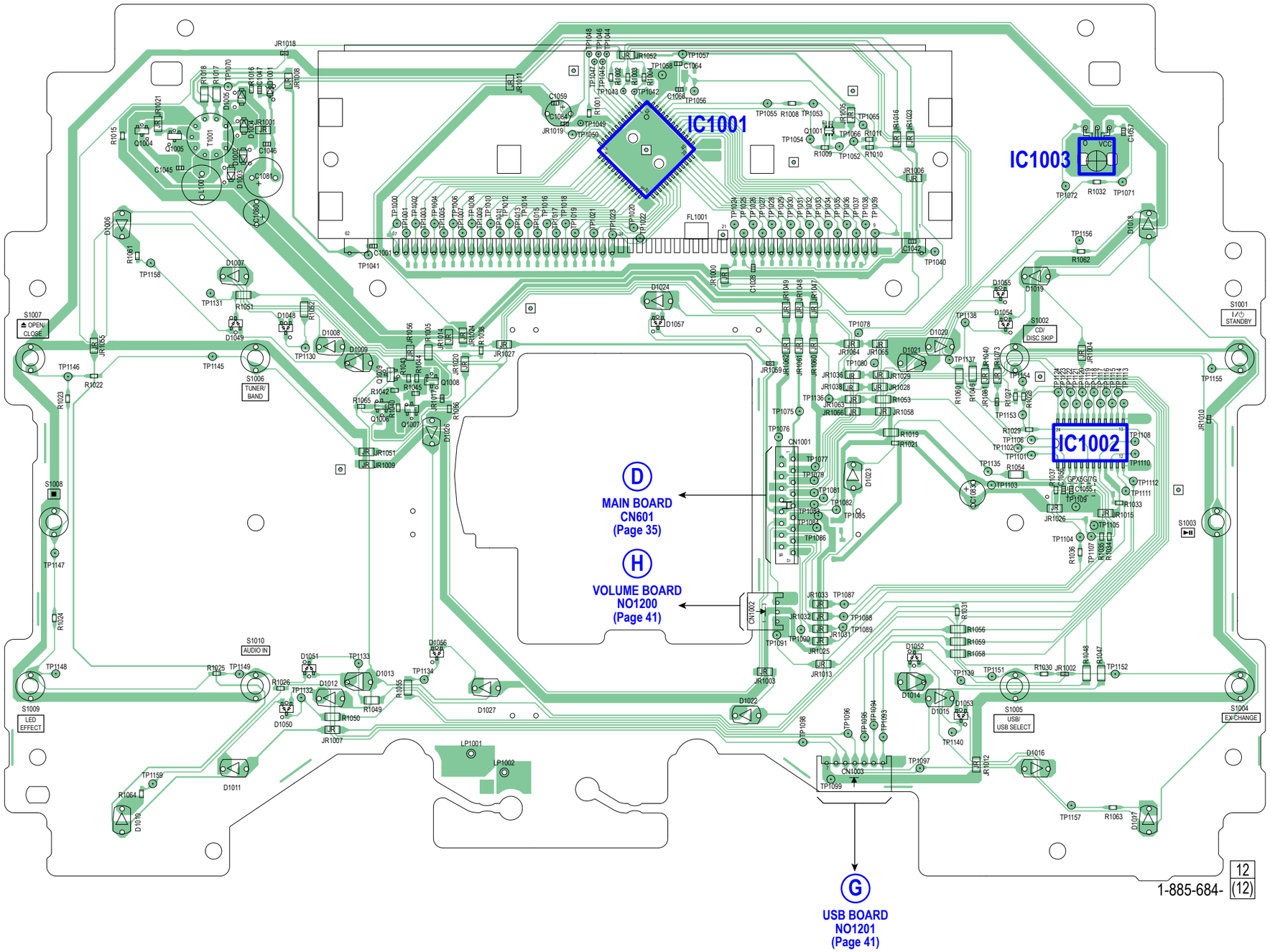
【PLACA 4CH DAMP】(3/3)



5-10. PLACA DE CIRCUITO IMPRESSO - Placa DISPLAY

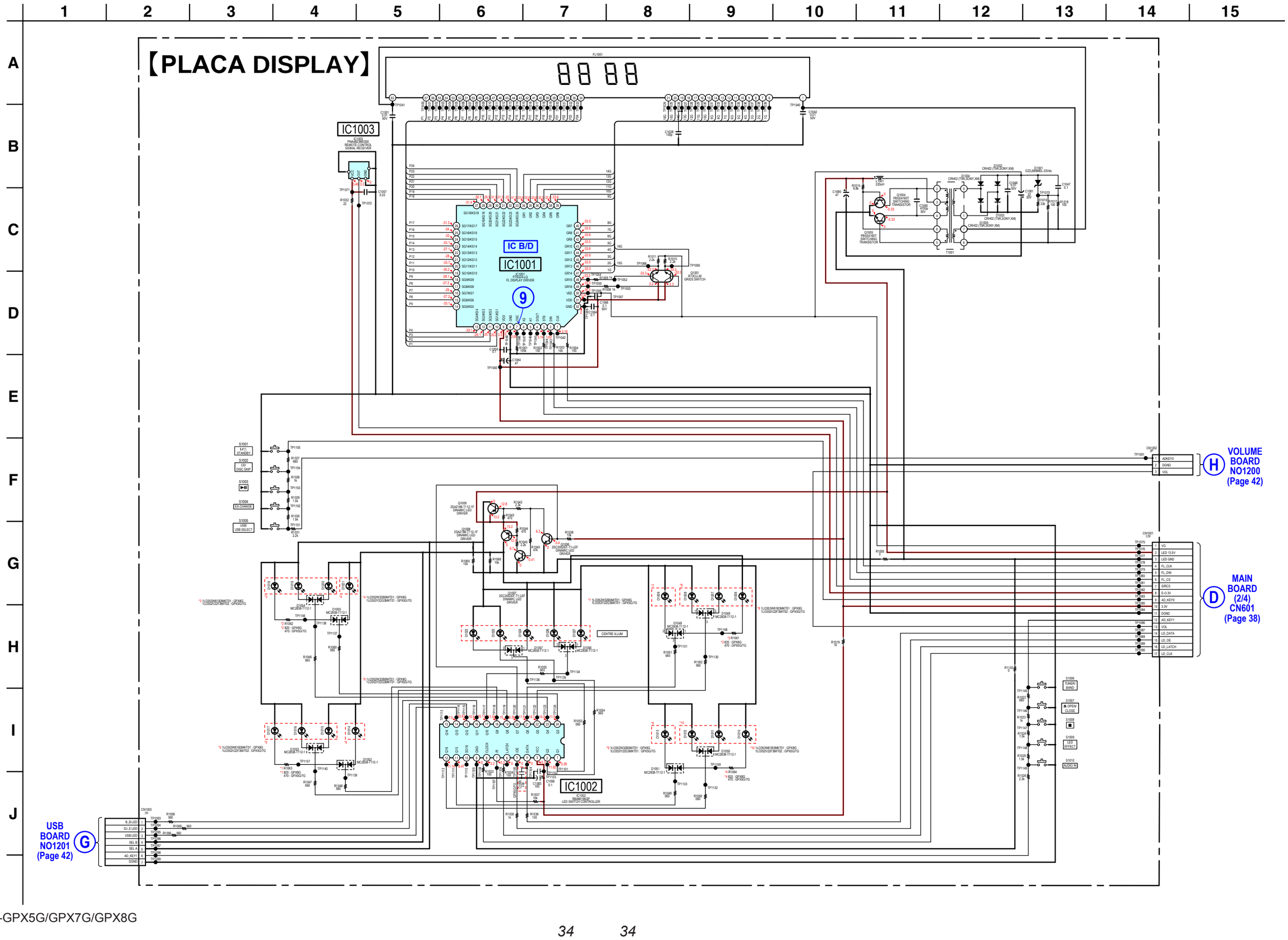
• See page 27 for Circuit Boards Location. • : Uses unleaded solder.

【PLACA DISPLAY】



5-11. DIAGRAMA ESQUEMĆTICO – Placa DISPLAY

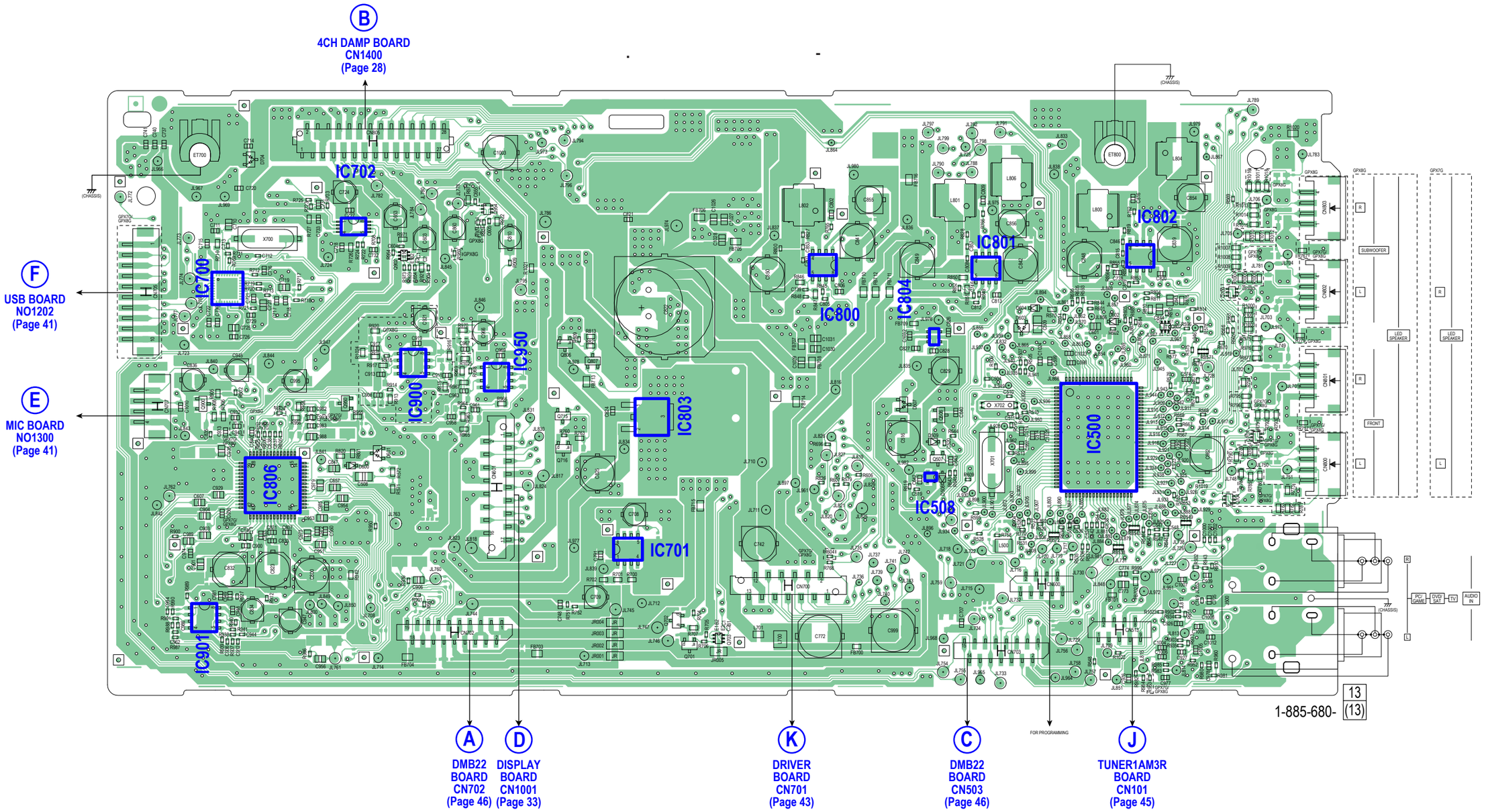
• See page 50 for Waveforms. • See page 51 for IC Block Diagrams.



5-12. PLACA DE CIRCUITO IMPRESSO – Placa MAIN (Lado Componente) – • See page 27 for Circuit Boards Location. • : Uses unleaded solder.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A															
B															
C															
D															
E															
F															
G															
H															
I															
J															

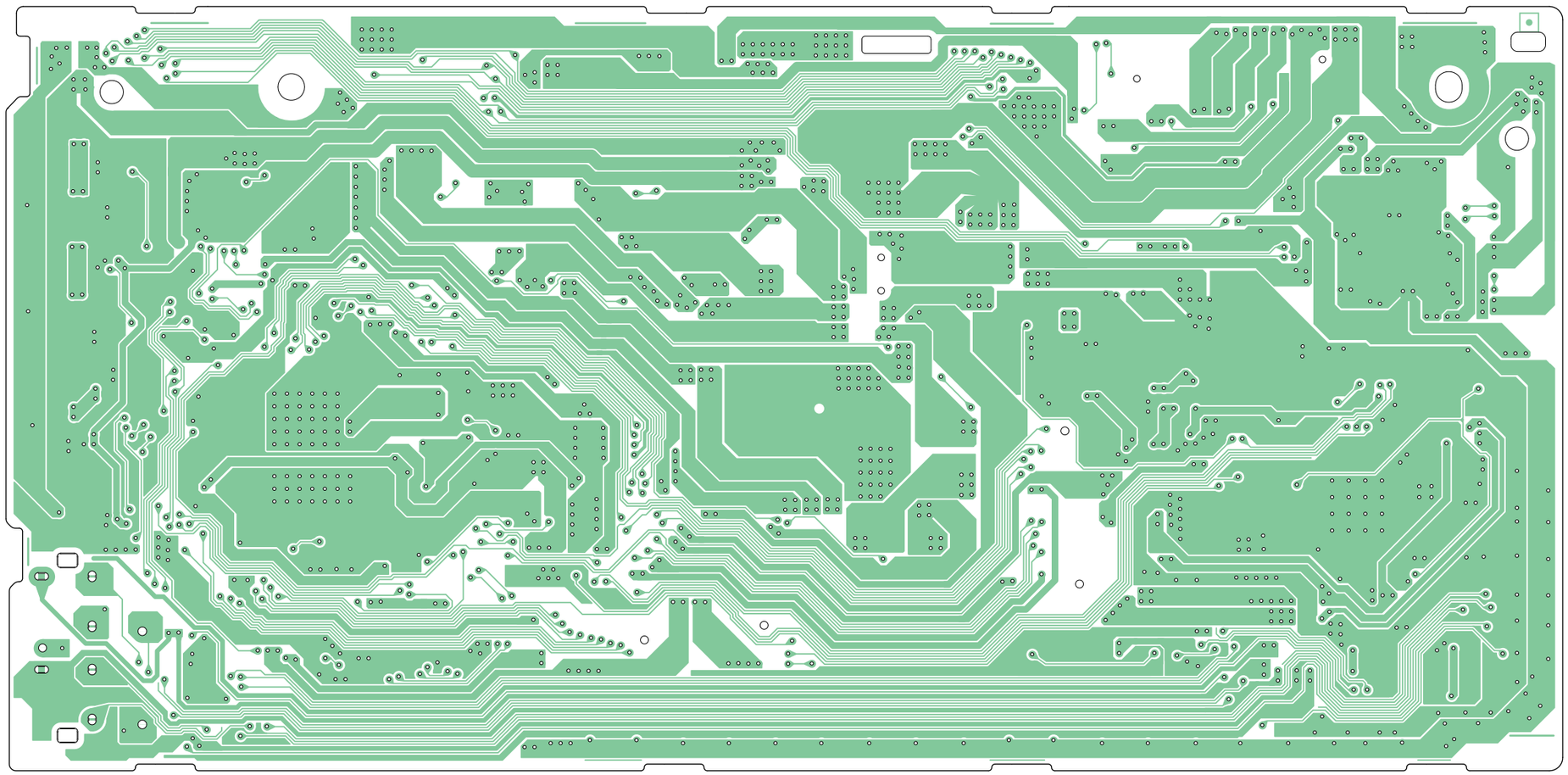
【PLACA MAIN】(Lado Componente)



5-13. PLACA DE CIRCUITO IMPRESSO – Placa MAIN (Lado Cobreado) – • See page 27 for Circuit Boards Location. • : Uses unleaded solder.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A															
B															
C															
D															
E															
F															
G															
H															
I															
J															

【PLACA MAIN】(Lado Cobreado)

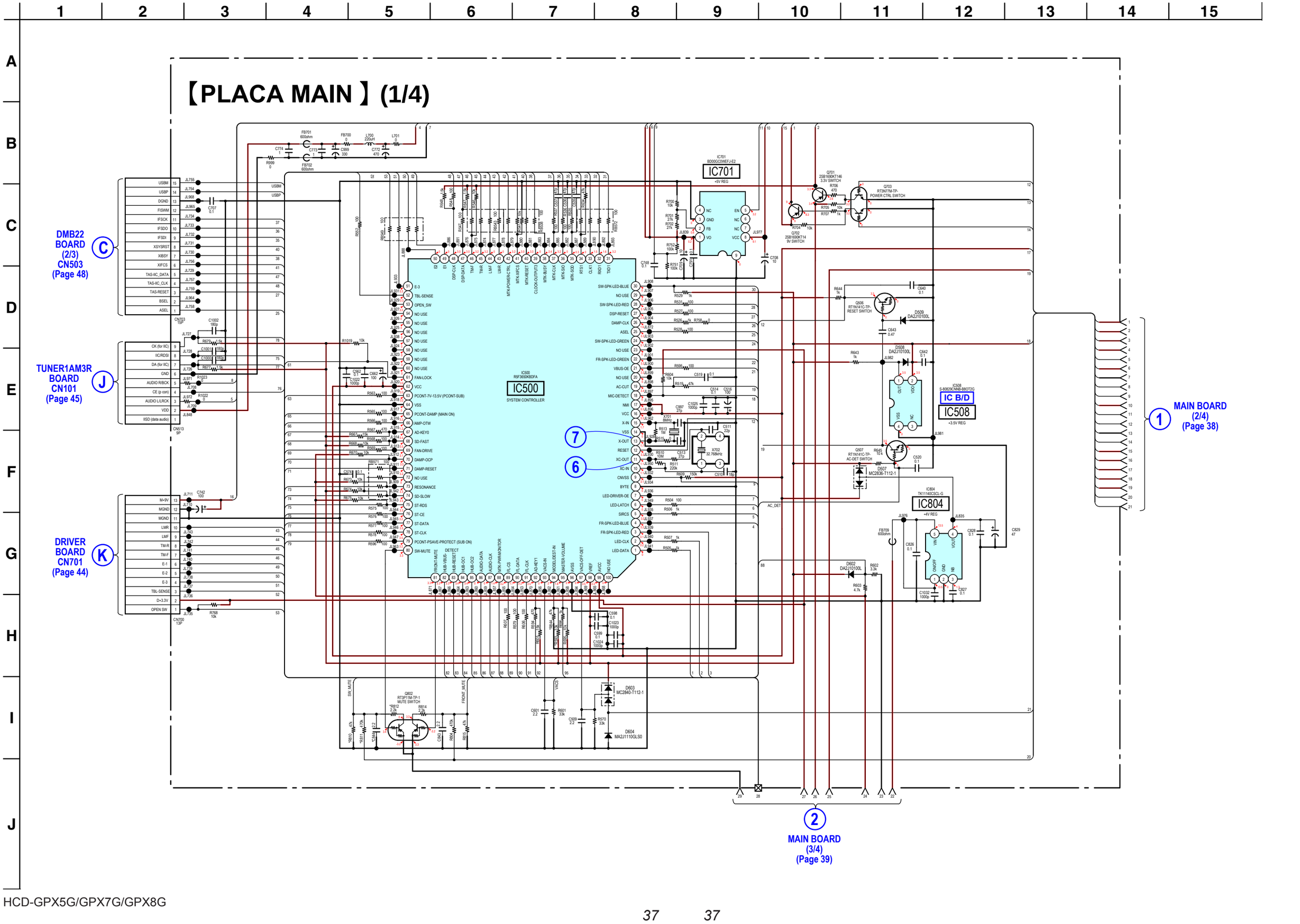


13
1-885-680- (13)

5-14. DIAGRAMA ESQUEMĆTICO – Placa MAIN (1/4)

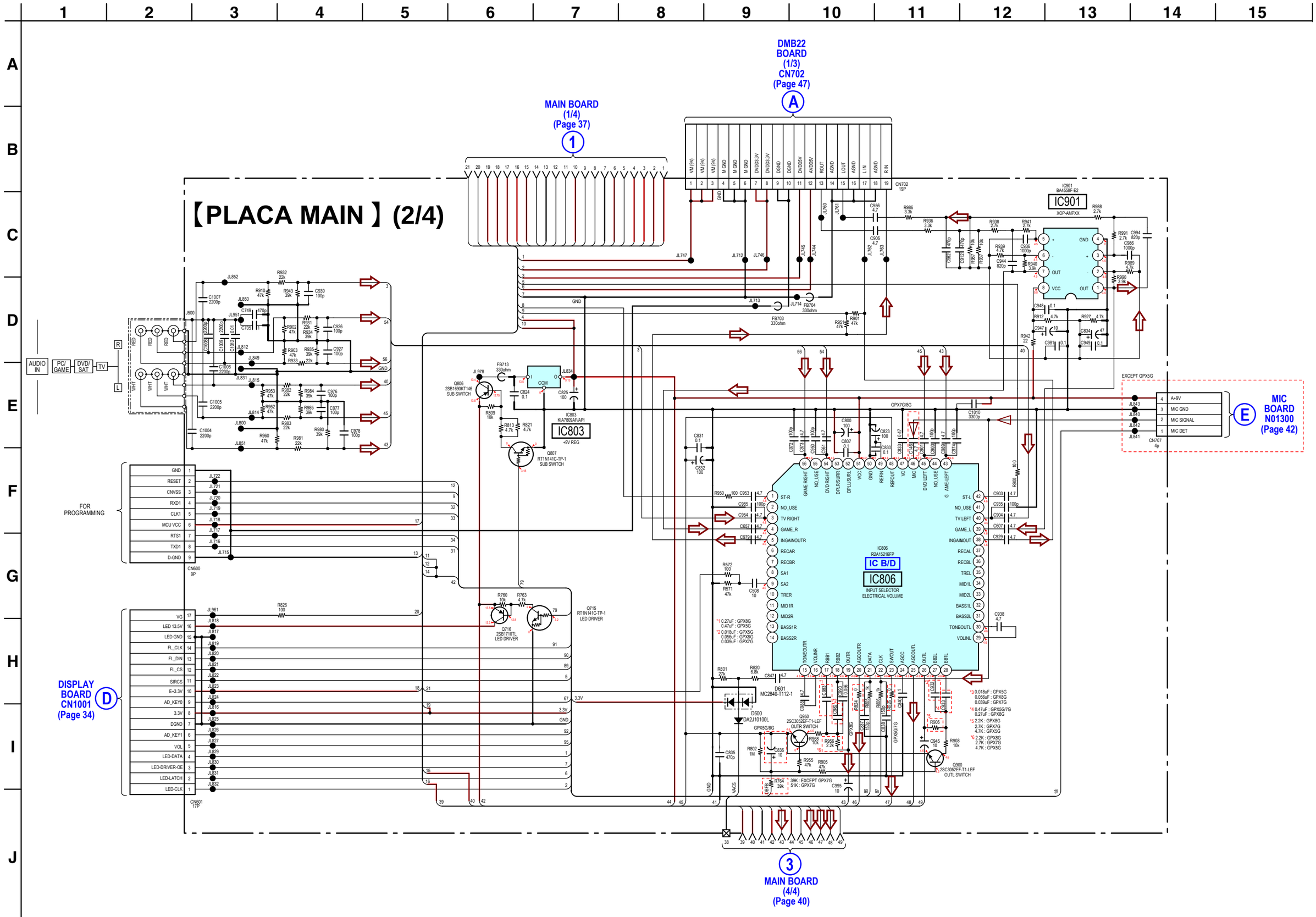
• See page 50 for Waveforms • See page 51 for IC Block Diagrams. • See page 56 for IC Pin Function Descriptions.

【PLACA MAIN 】(1/4)

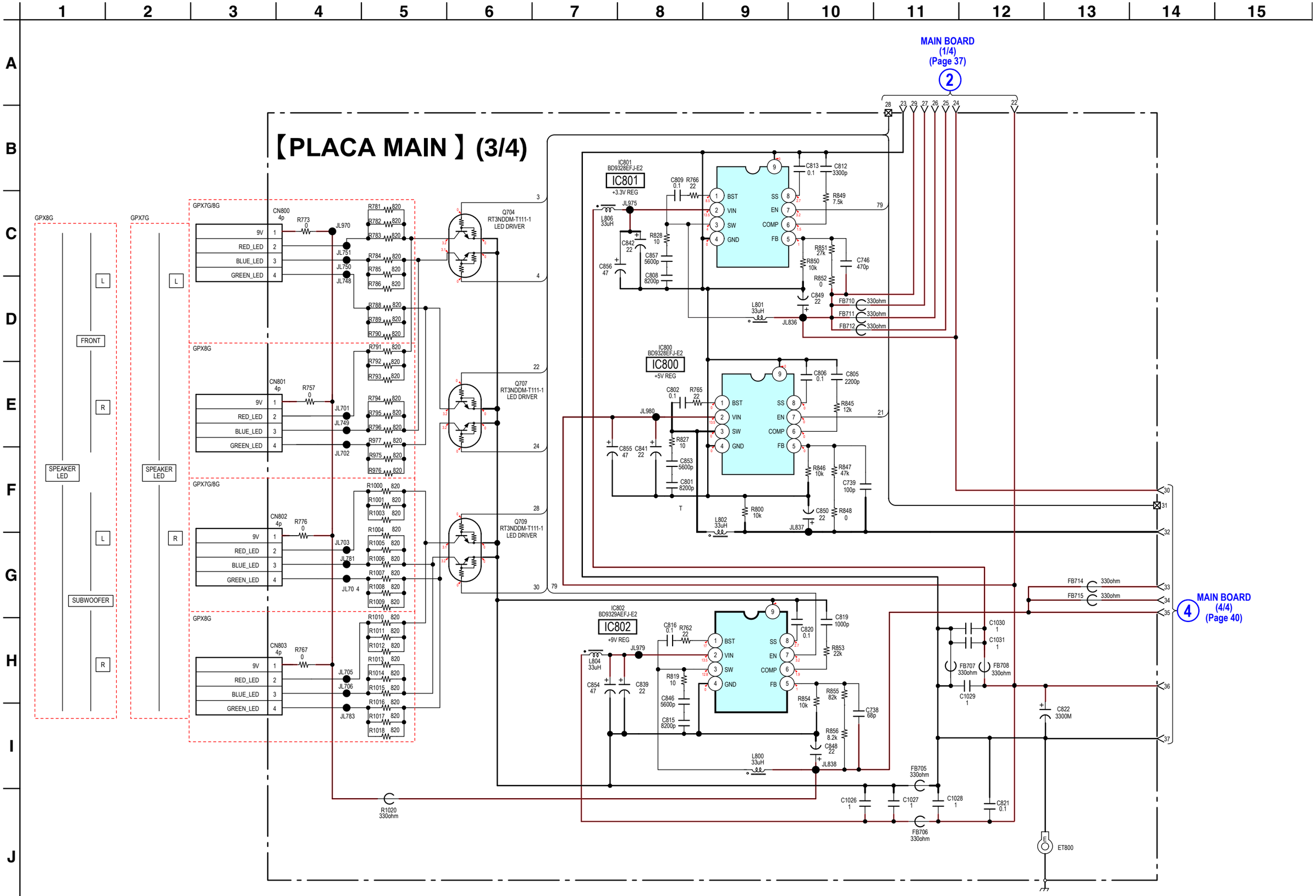


5-15. DIAGRAMA ESQUEMĆTICO – Placa MAIN (2/4)

• See page 51 for IC Block Diagrams.

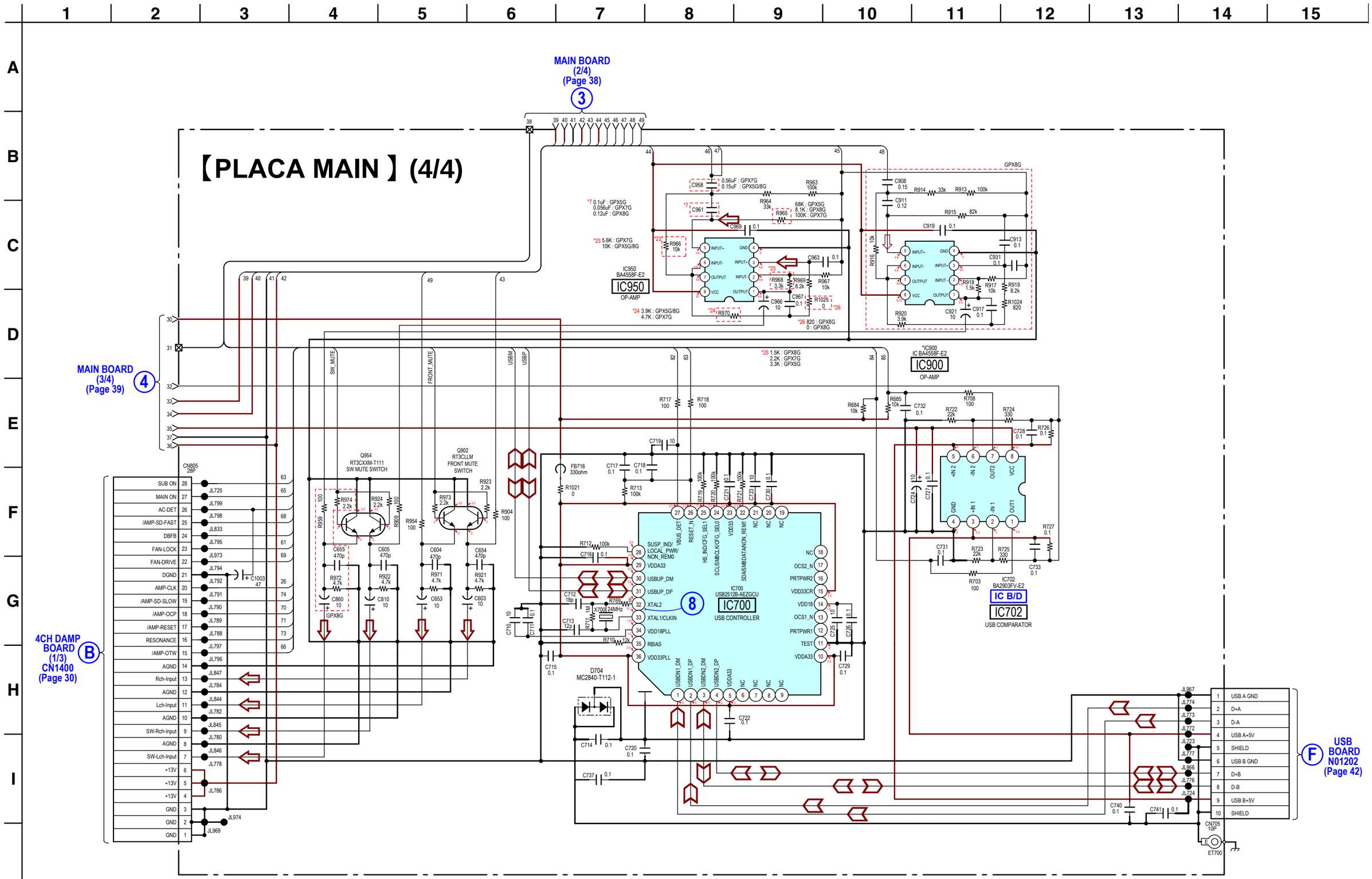


5-16. DIAGRAMA ESQUEMĆTICO – Placa MAIN (3/4)



5-16. DIAGRAMA ESQUEMĆTICO – Placa MAIN (4/4)

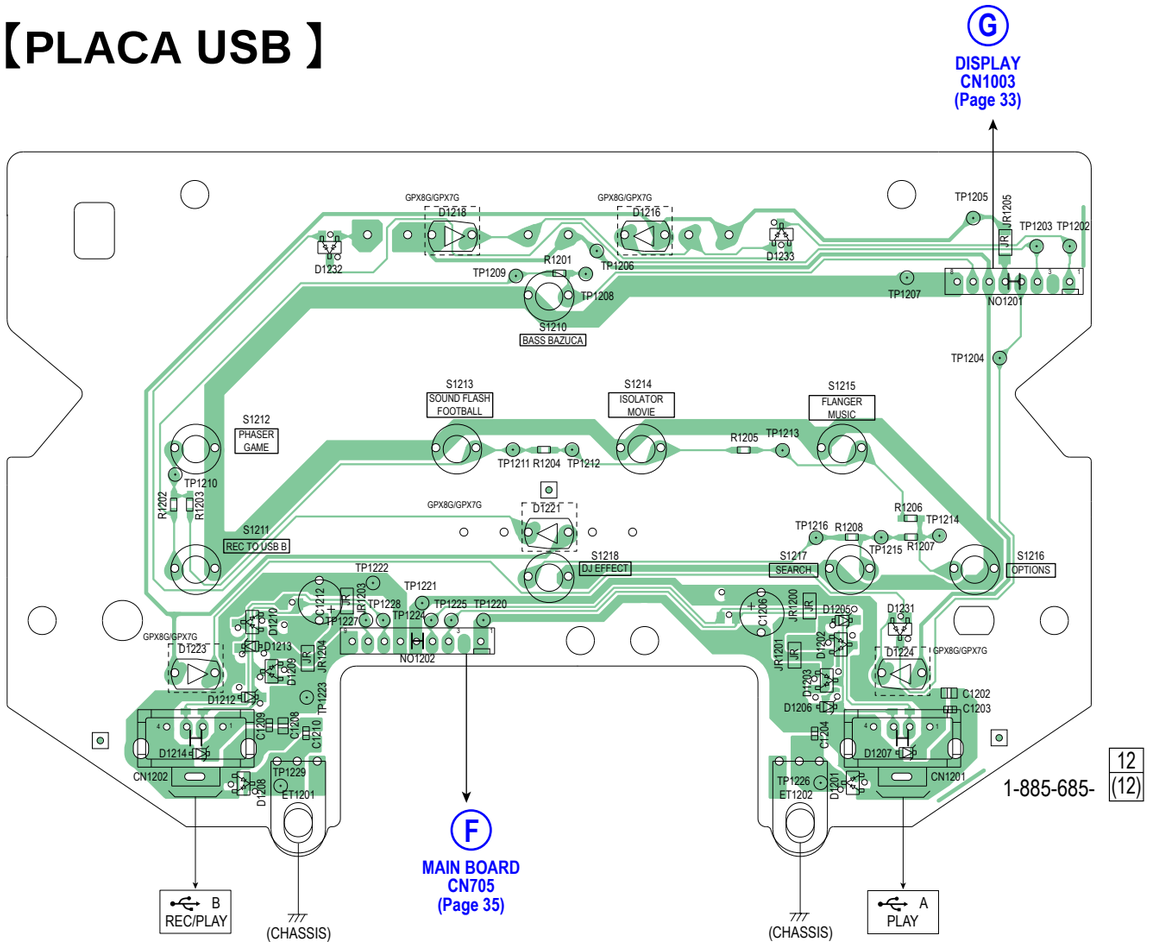
• See page 50 for Waveforms • See page 51 for IC Block Diagrams.



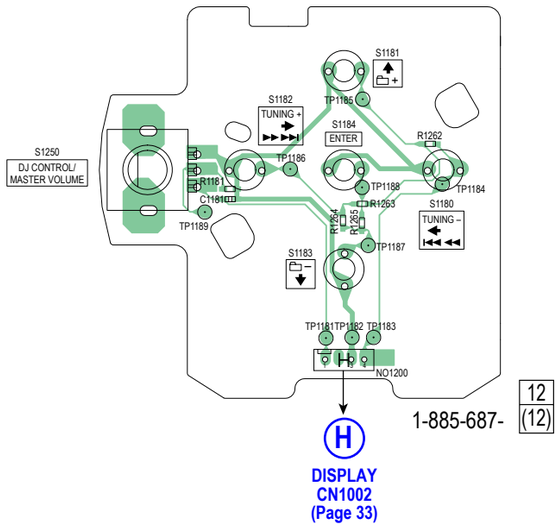
5-18. PLACA DE CIRCUITO IMPRESSO – Placas USB, VOLUME E MIC –

• See page 27 for Circuit Boards Location. • : Uses unleaded solder.

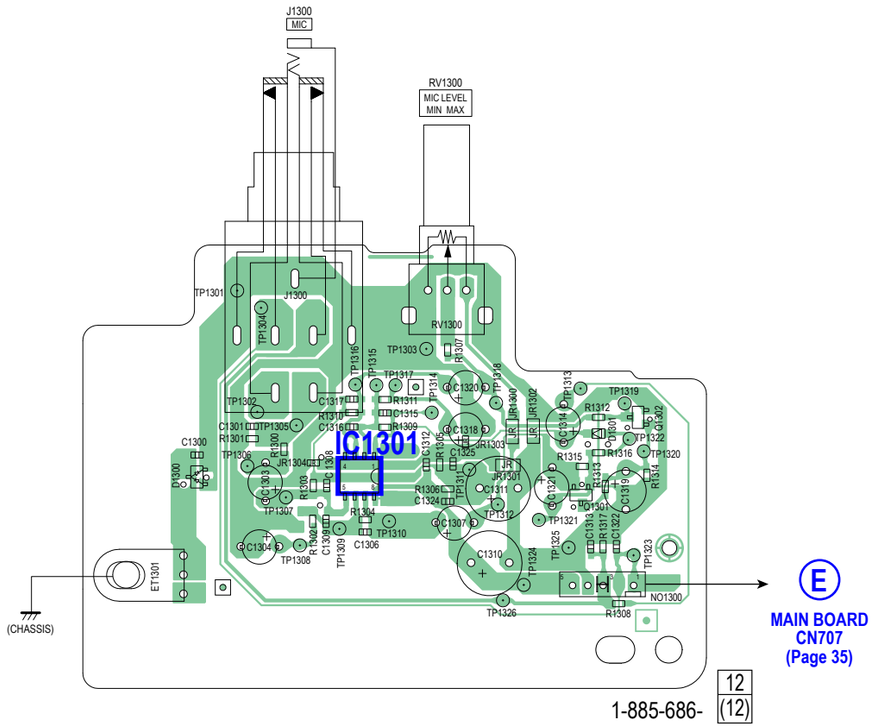
【PLACA USB 】



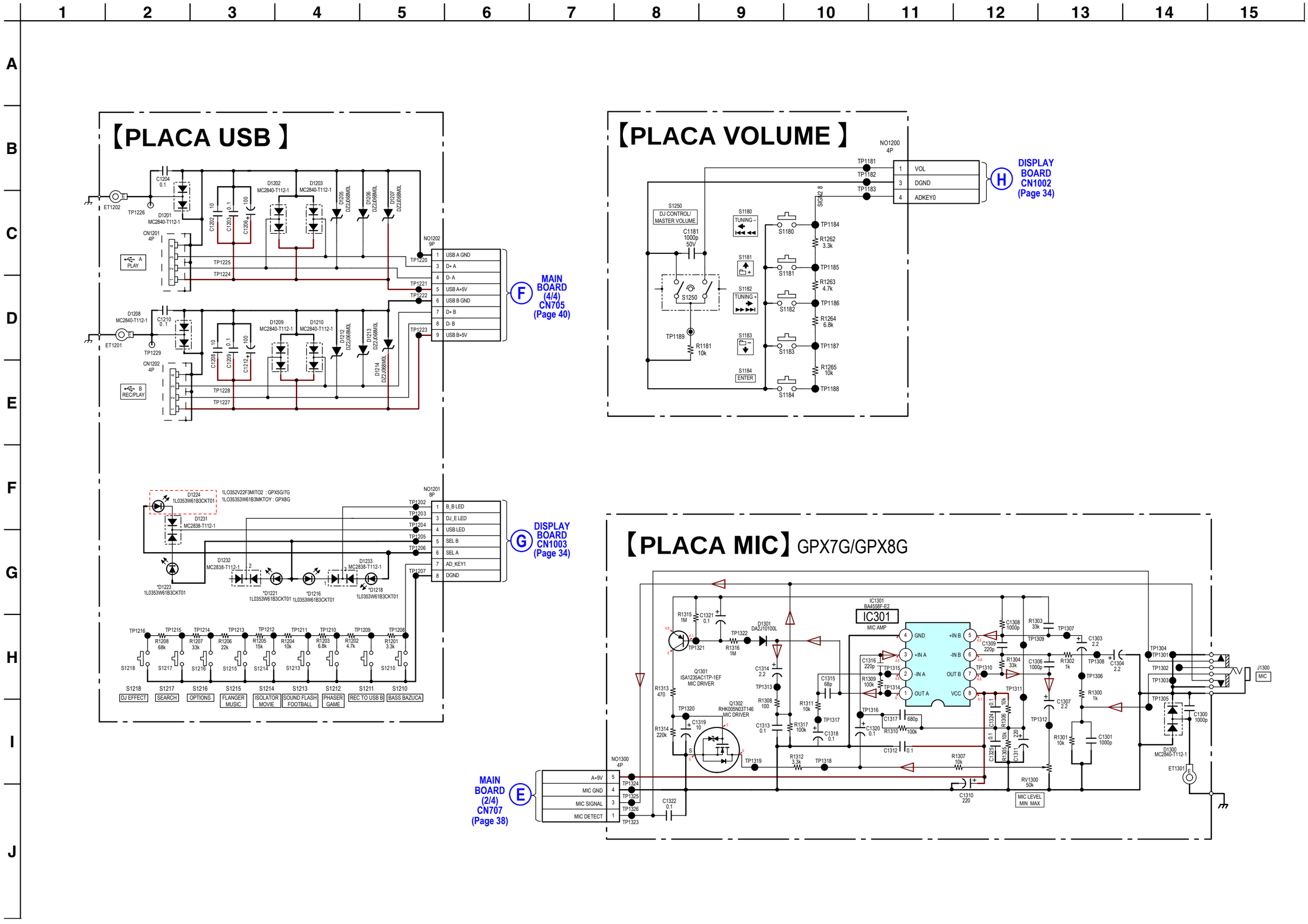
【PLACA VOLUME 】



【PLACA MIC】GPX7G/GPX8G

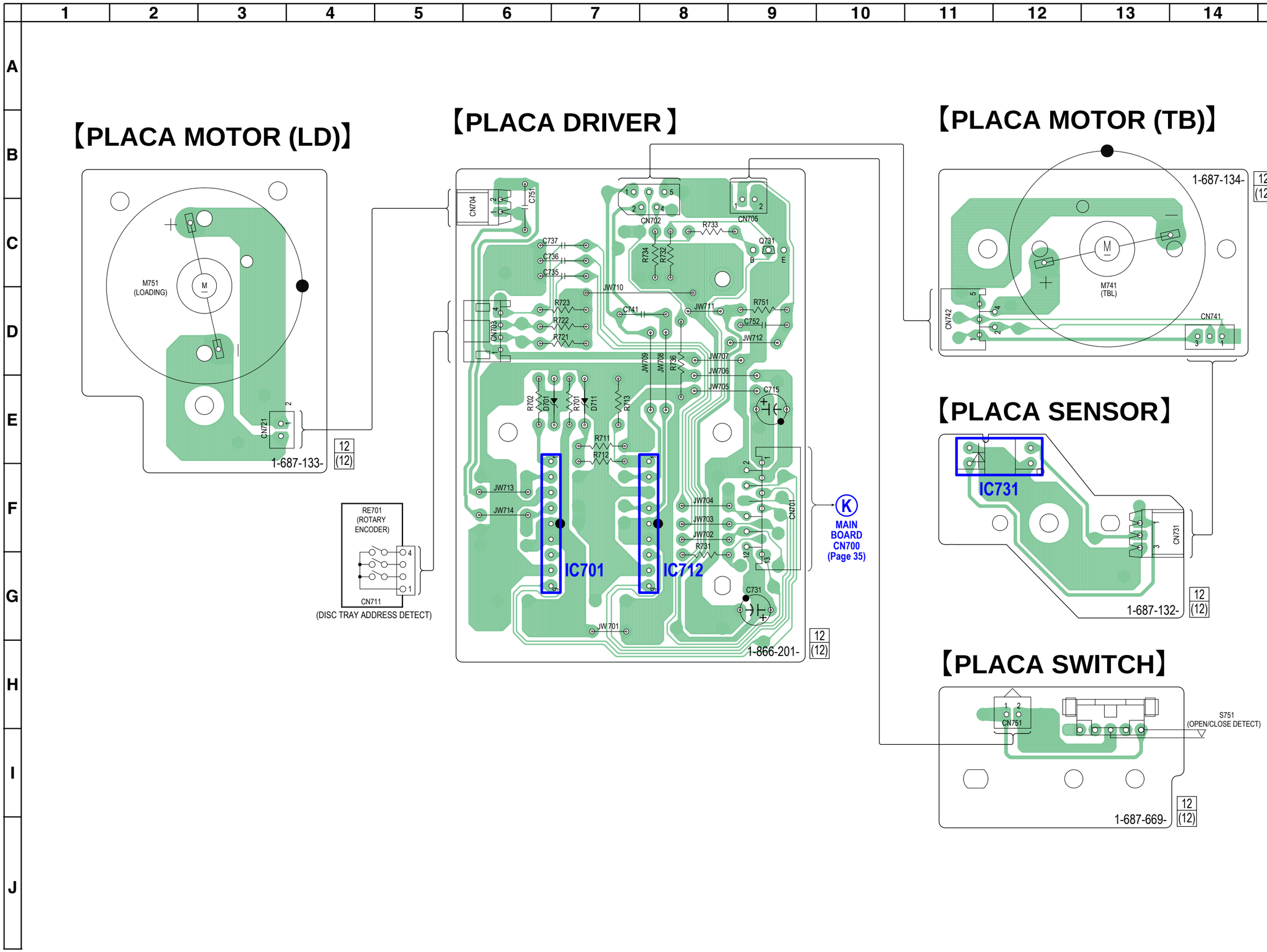


5-19 DIAGRAMA ESQUEMĆTICO – Placas USB, VOLUME E MIC



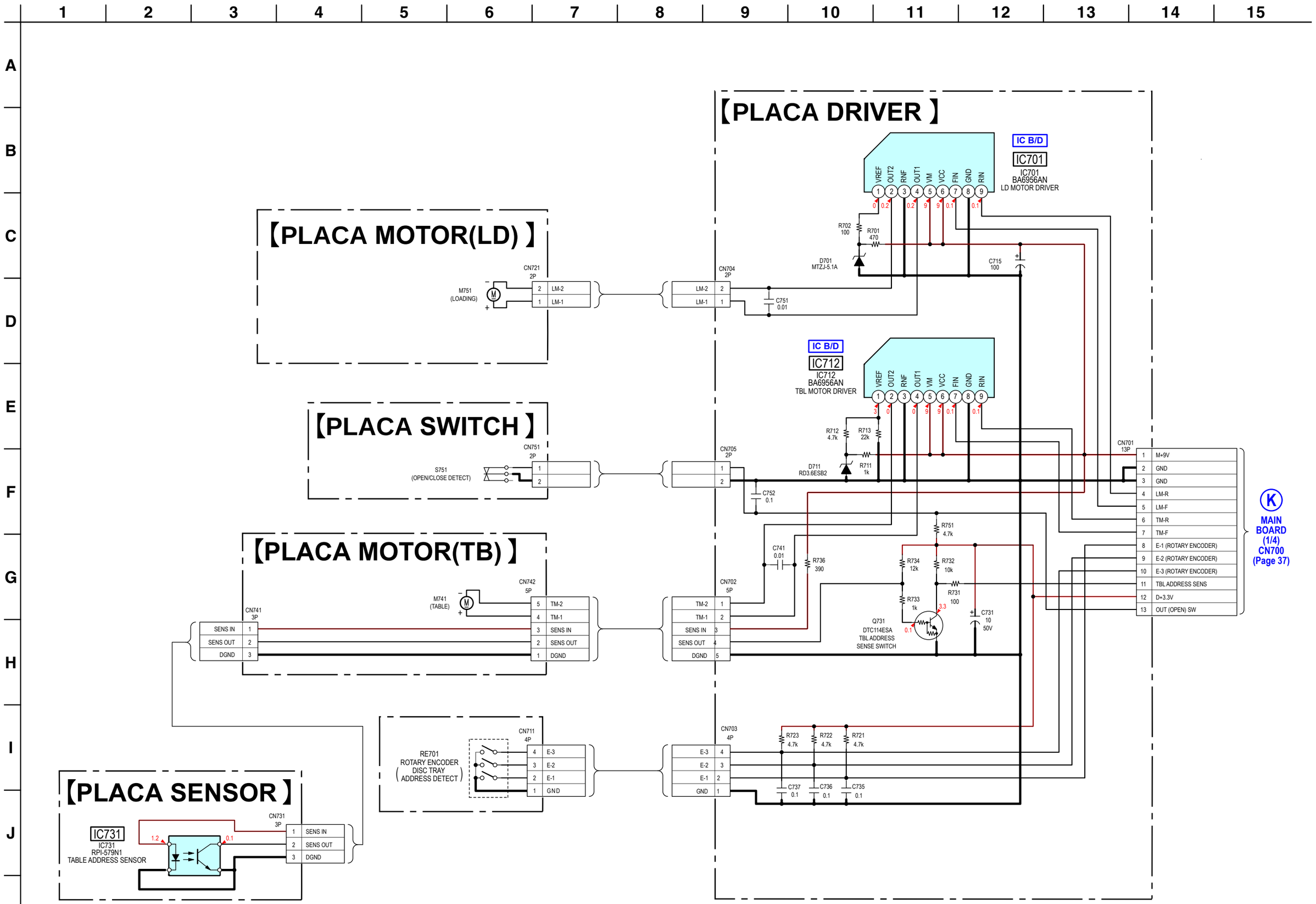
5-20. PLACA DE CIRCUITO IMPRESSO – Placas DRIVER, SENSOR, SWITCH, MOTOR (LD) E MOTOR (TB)

• See page 27 for Circuit Boards Location. • : Uses unleaded solder.



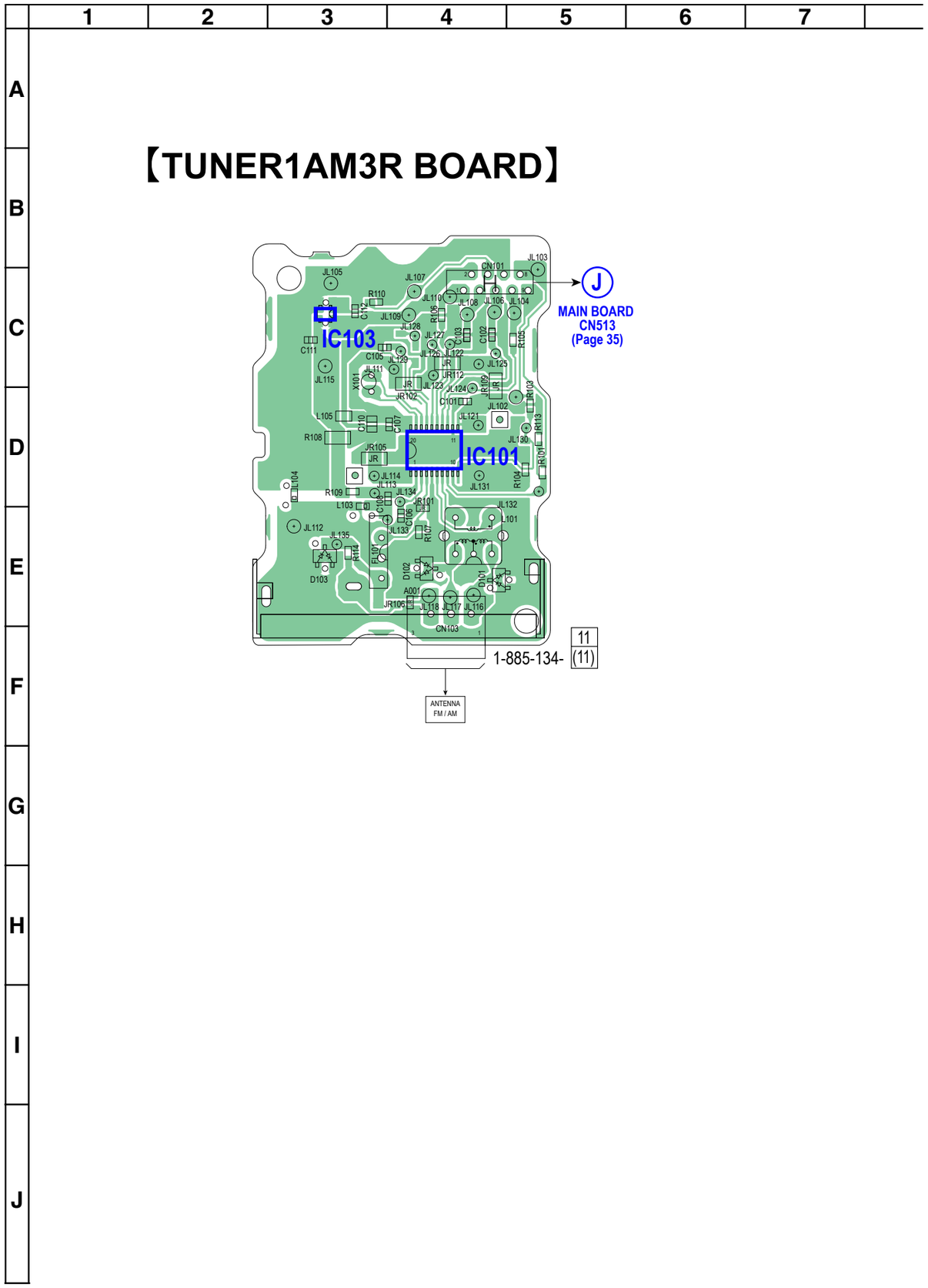
5-21. DIAGRAMAS ESQUEMĆTICOS - Placas DRIVER, SENSOR, SWITCH, MOTOR (LD) E MOTOR (TB)50

• See page 51 for IC Block Diagrams.



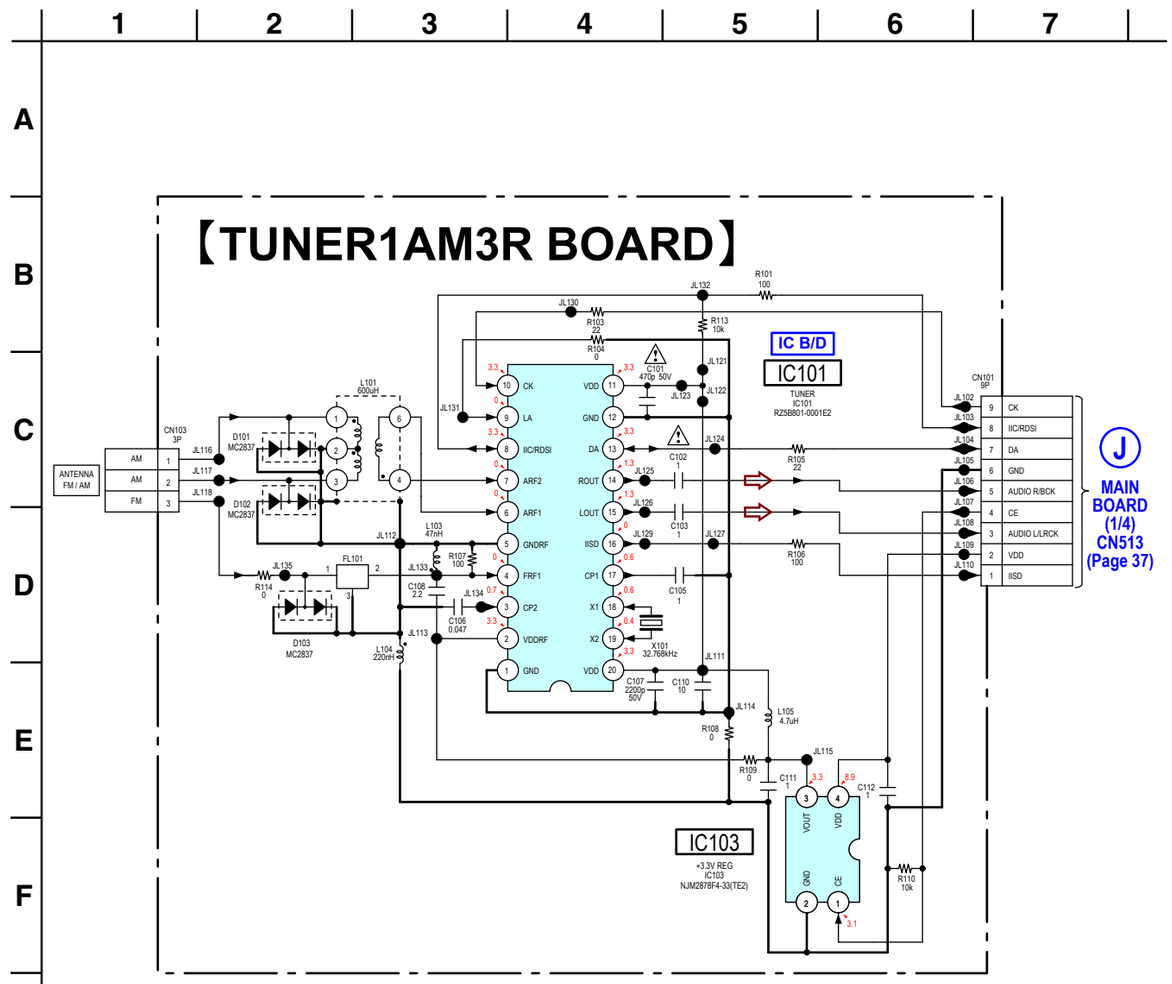
5-22. PLACA DE CIRCUITO IMPRESSO – PLACA TUNER1AM3R –

• See page 27 for Circuit Boards Location. • 4F: Uses unleaded solder.



5-23. DIAGRAMA ESQUEMĆTICO – Placa TUNER1AM3R –

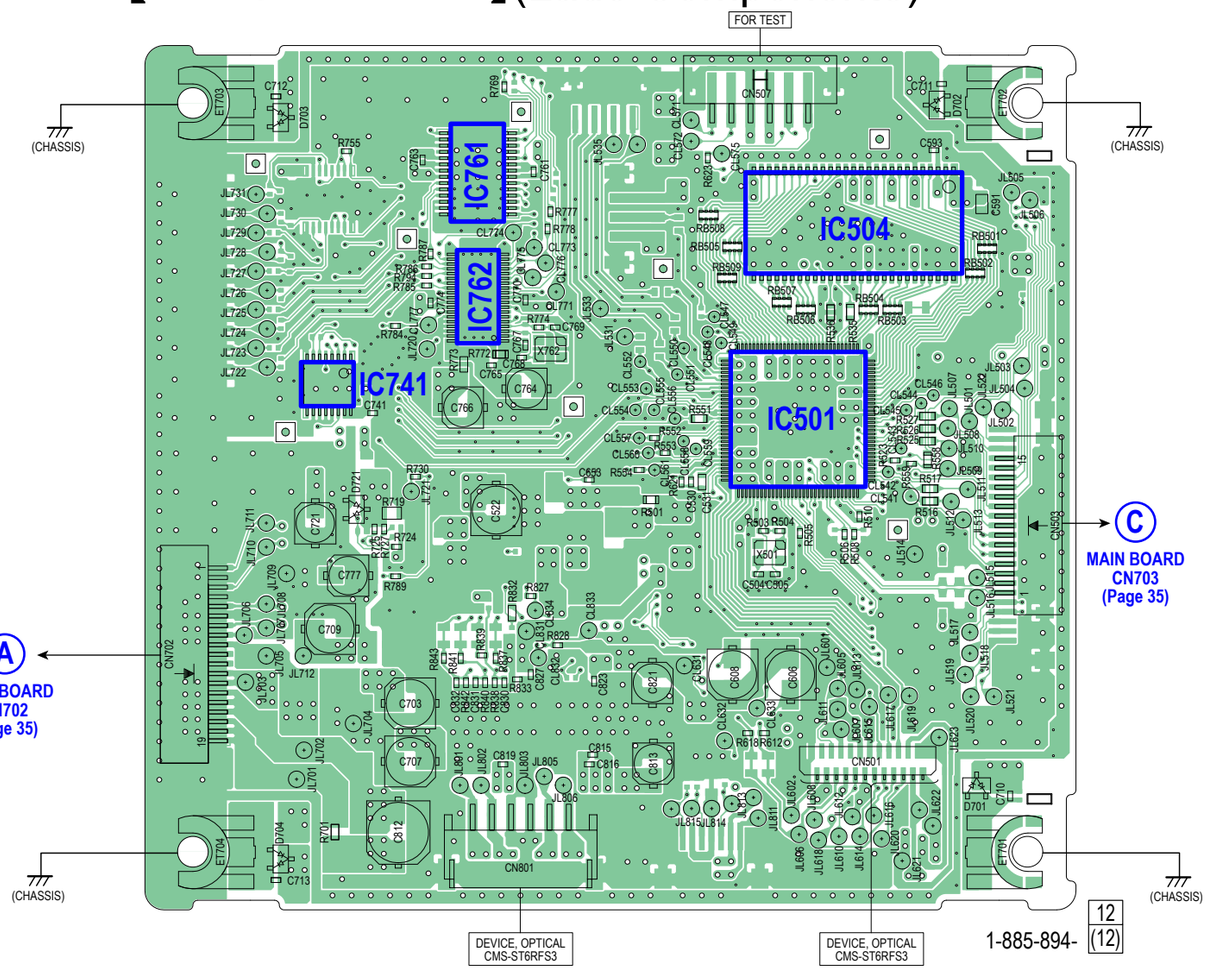
• See page 51 for IC Block Diagrams.



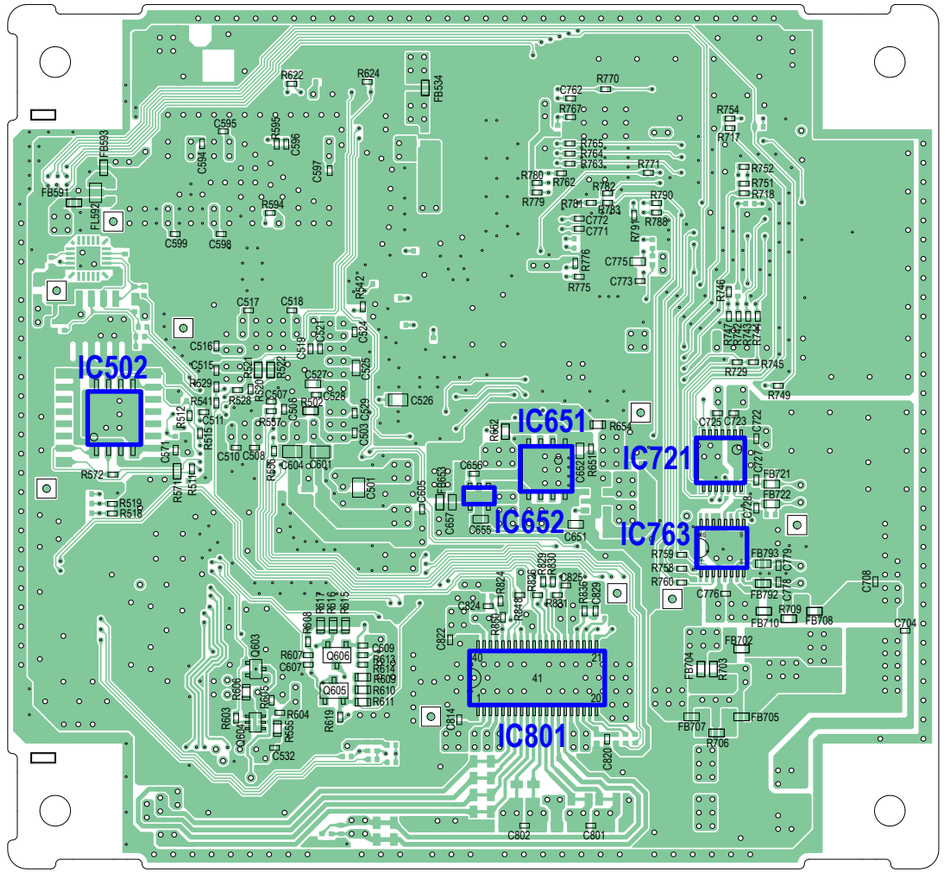
5-24. PLACA DE CIRCUITO IMPRESSO – Placa DMB22 –

• See page 27 for Circuit Boards Location. • : Uses unleaded solder.

【PLACA DMB22 】(Lado Componente)



【PLACA DMB22 】(Lado Cobreado)

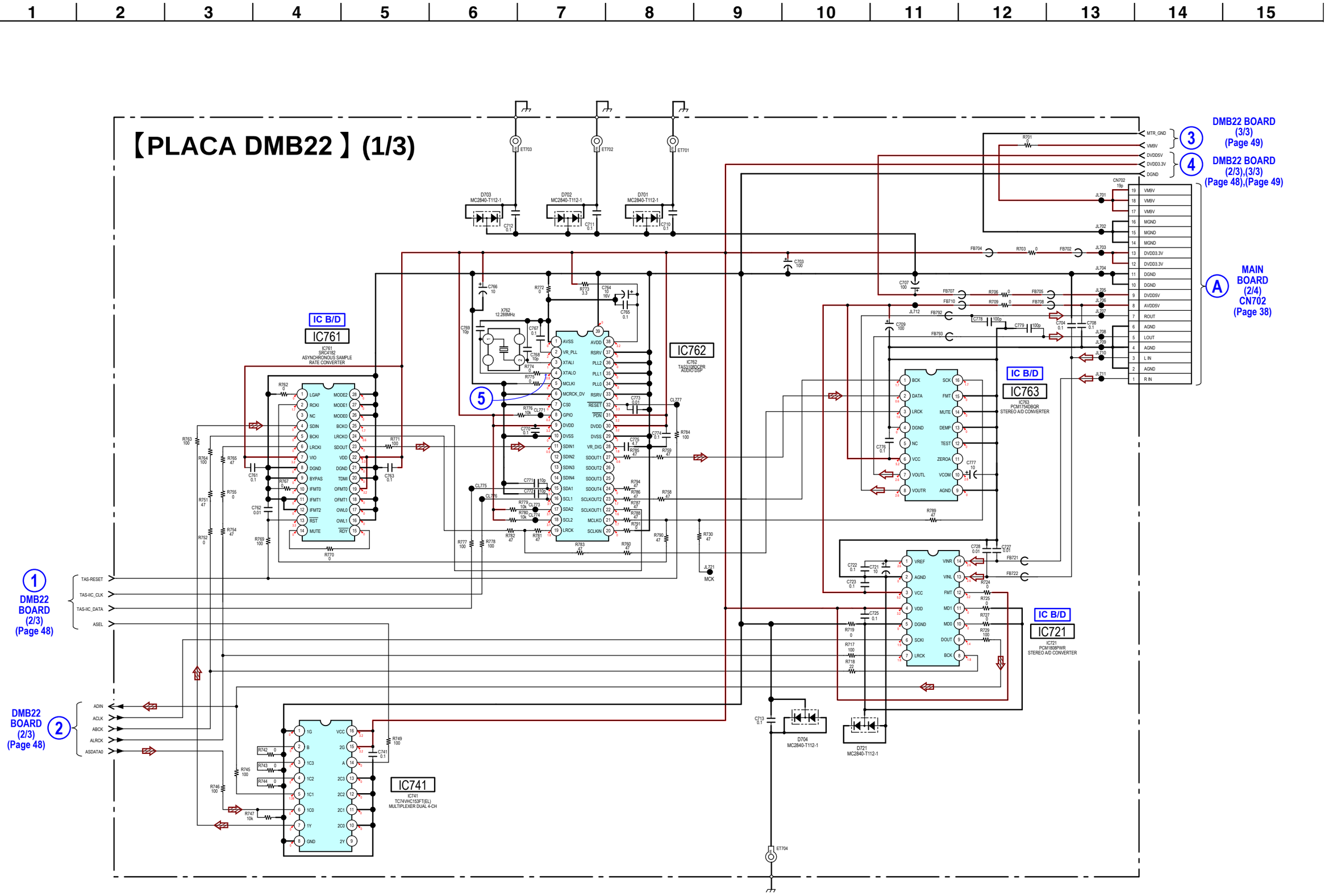


Note: IC502 on the DMB22 board cannot exchange with single. When these parts on the DMB22 board are damaged, exchange the entire mounted board.

5-25. DIAGRAMA ESQUEMĆTICO - Placas DMB22 (1/3)

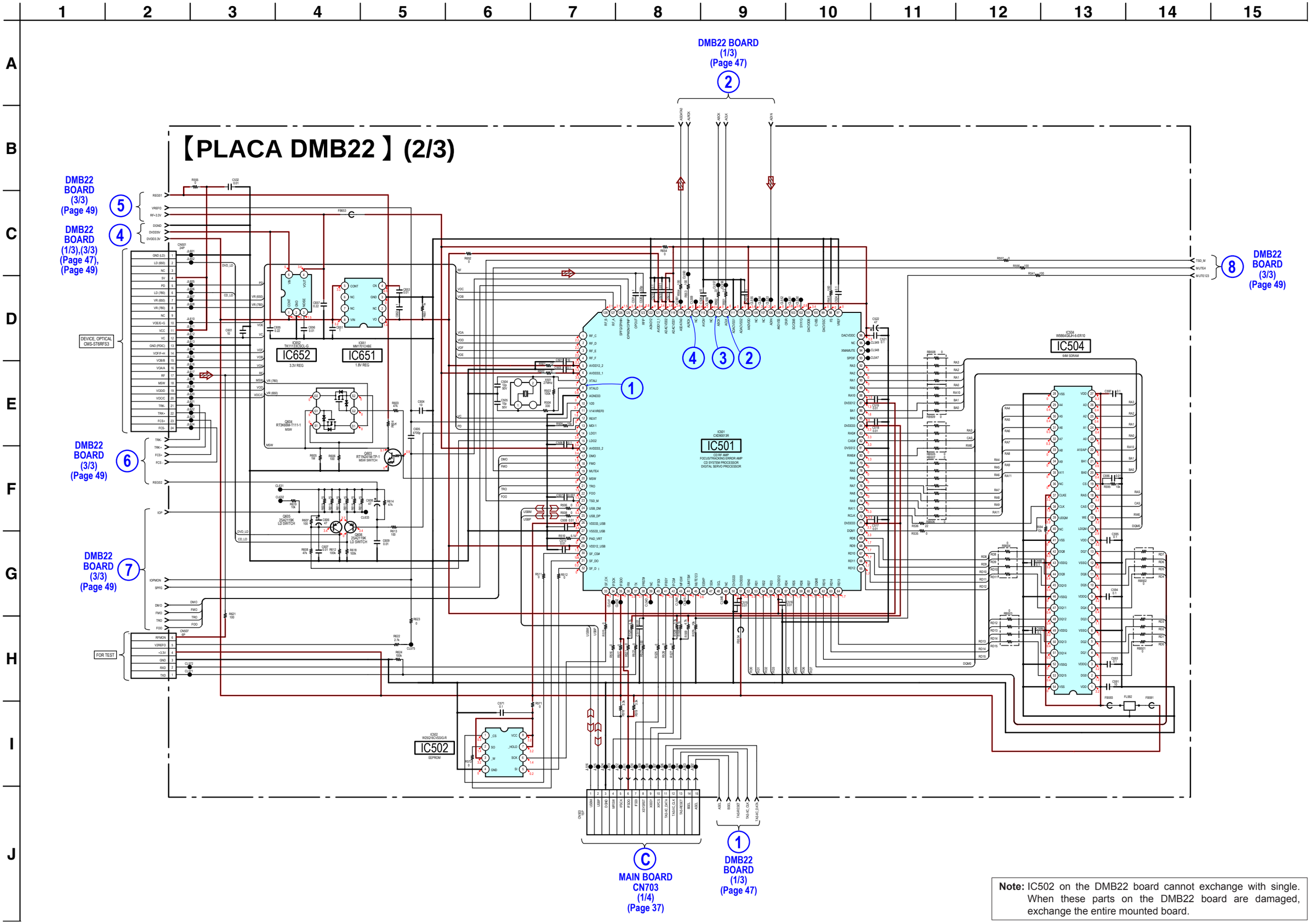
• See page 50 for Waveforms • See page 51 for IC Block Diagrams.

【PLACA DMB22 】(1/3)



5-26. DIAGRAMA ESQUEMĆTICO - Placas DMB22 (2/3)

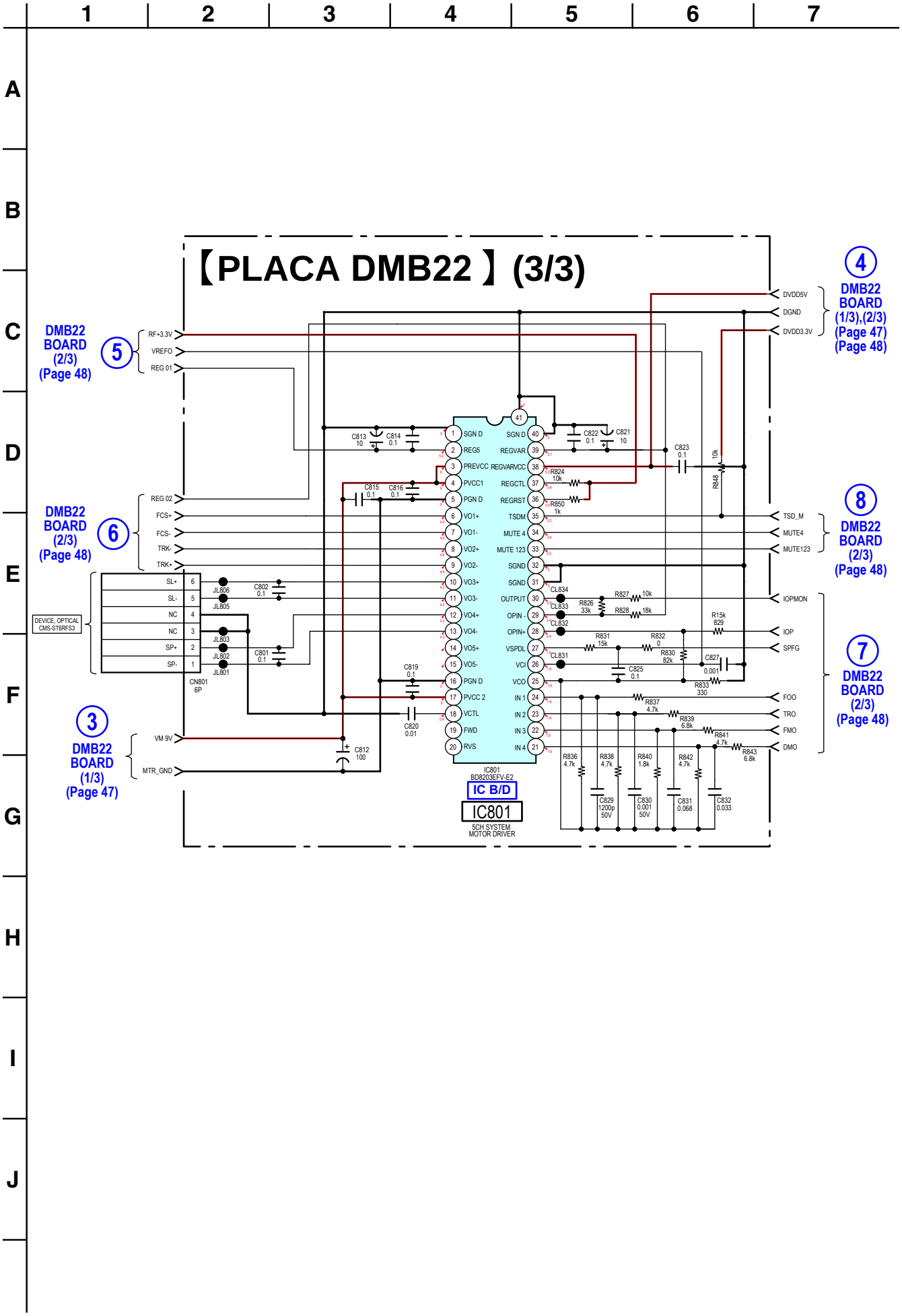
• See page 50 for Waveforms. • See page 51 for IC Block Diagrams. • See page 56 for IC Pin Function Descriptions.



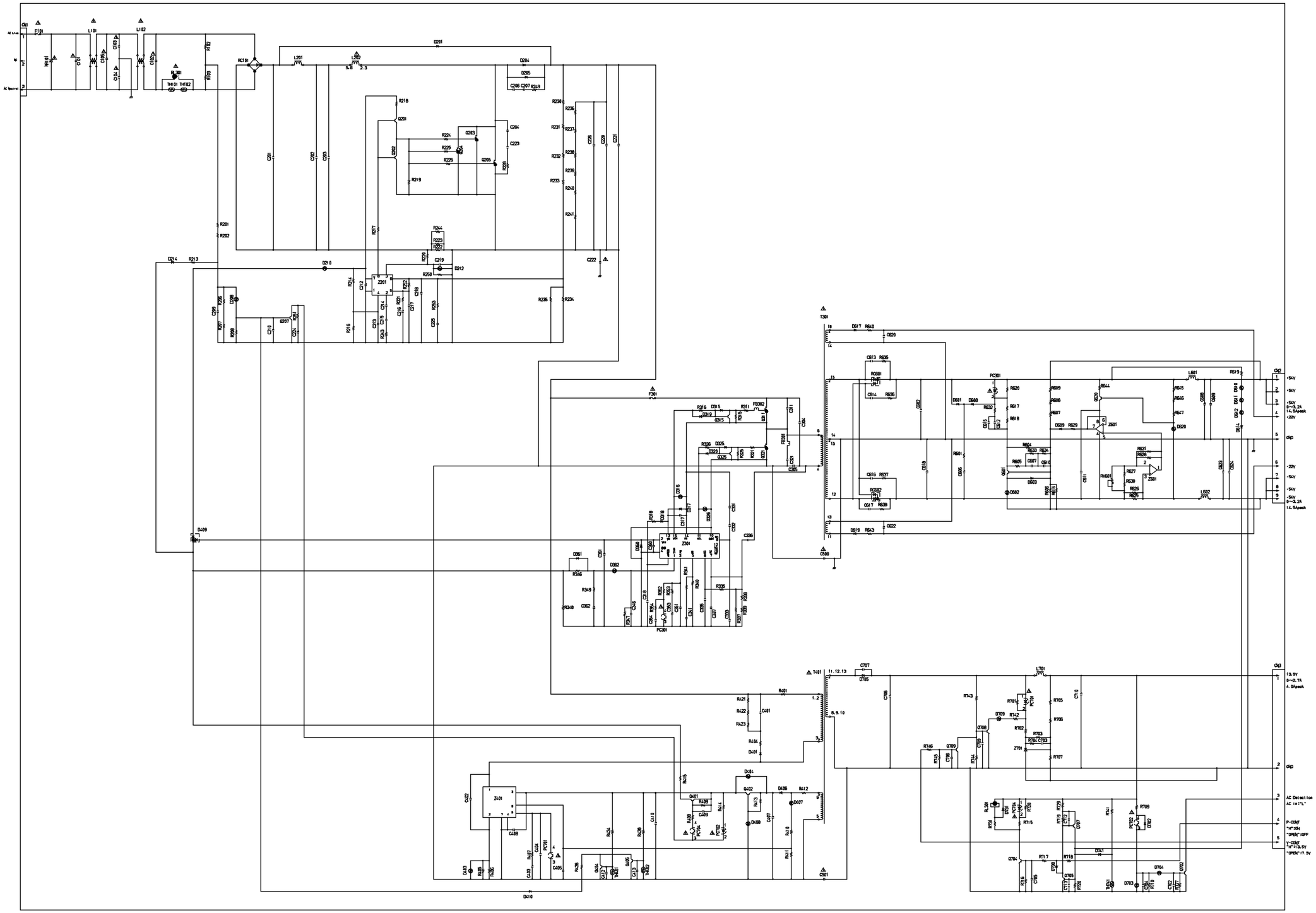
Note: IC502 on the DMB22 board cannot exchange with single. When these parts on the DMB22 board are damaged, exchange the entire mounted board.

5-27. DIAGRAMA ESQUEMĆTICO - Placas DMB22 (3/3)

• See page 51 for IC Block Diagrams.



5-28. DIAGRAMA ESQUEMĆTICO - Placa SMPS 3H384W



REVISIONS			REVISIONS	
W			M	
U			L	
T			K	
S			J	
R			H	
Q			G	
P			F	
N			E	

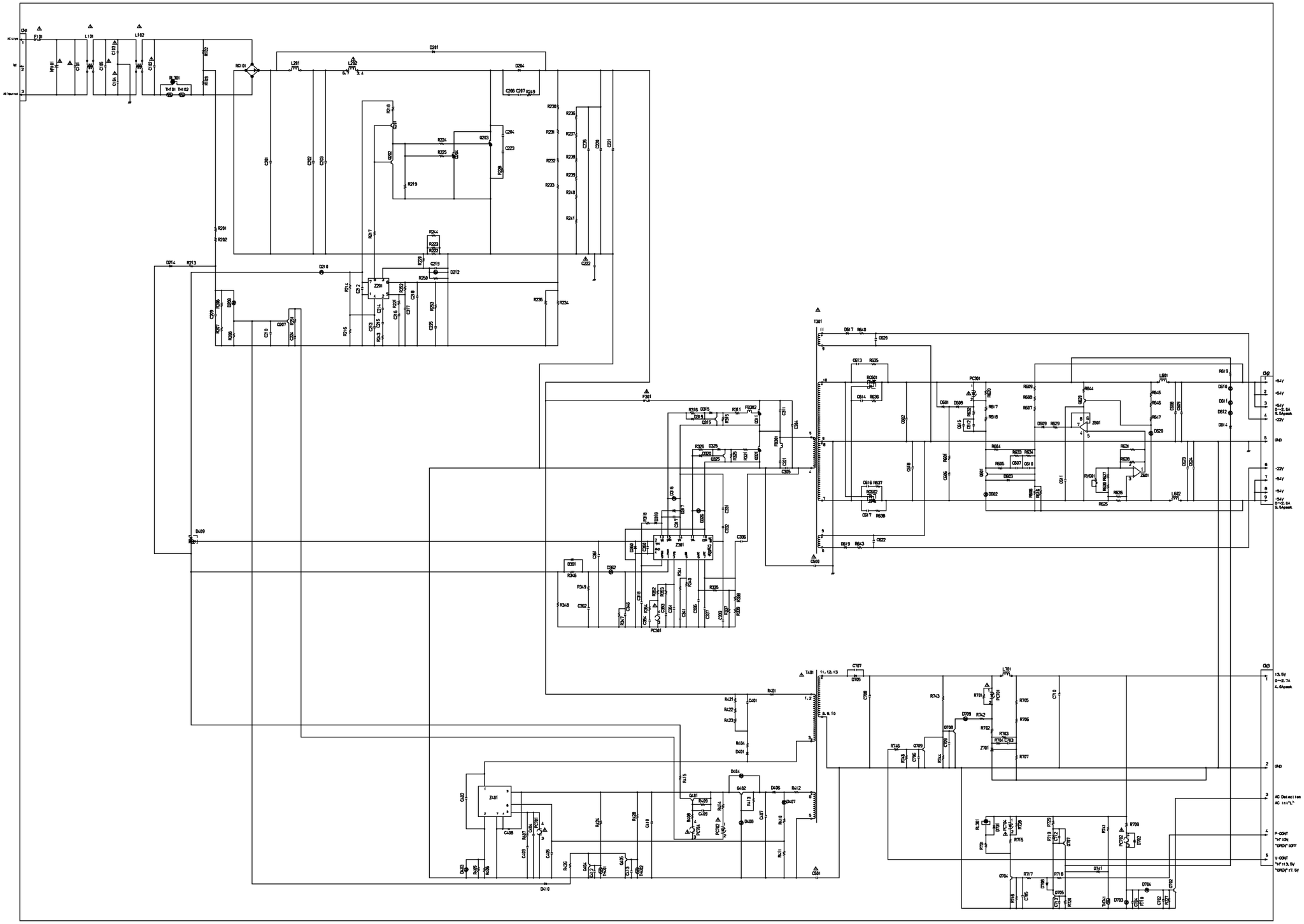
REVISIONS		
D		• •
C		• •
B	Clerical error correction	11・11・25
A	R641, 642, D615, 616, 618, C621 Delete	11・10・6

ASSOC. DWR. NO. 関連図番		3RD. ANG. PROJ. 第３角法	APPROVED BY 承認 杉浦
SANKEN ELECTRIC CO., LTD. サンケン電気株式会社		DATE 日付 11・7・15	CHECKED BY 照査 内田匡
		SCALE 尺度	DESIGNED BY 設計 T. Miyahara

TITLE. 名称
CIRCUIT DIAGRAM
1-490-057-11 (3H384W)

DWG. NO. 図番
CPZ33500-505B

5-29. DIAGRAMA ESQUEMĆTICO - Placa SMPS 3H385W



REVISIONS			REVISIONS	
V			M	
U			L	
T			K	
S			J	
R			H	
Q			G	
P			F	
N			E	

REVISIONS			
D		• •	
C	C101, C105 ! mark Add	11・12・22	
B	Clerical error correction	11・11・25	
A	R641, 642, D615, 616, 618, C621 Delete	11・10・6	

ASSOC. DWR. NO. 関連図番		3RD. ANG. PROJ. 第３角法	APPROVED BY 承認 杉浦
SANKEN ELECTRIC CO., LTD. サンケン電気株式会社		DATE 日付 11・7・15	CHECKED BY 照査 内田匡
		SCALE 尺度	DESIGNED BY 設計 T. Miyahara

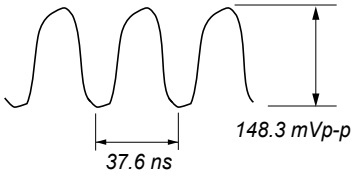
TITLE. 名称
CIRCUIT DIAGRAM
1-490-058-11 (3H385W)

DWG. NO. 図番
CPZ33500-506C

• **Waveforms**

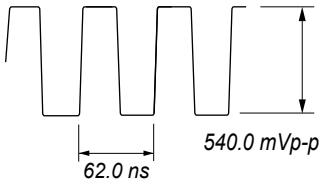
– DMB22 Board –

① IC501 ⑧ (XTALO)



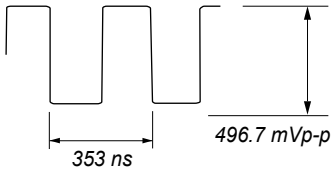
50 mV/DIV, 10 nsec/DIV

② IC501 ⑫ (ACLK)



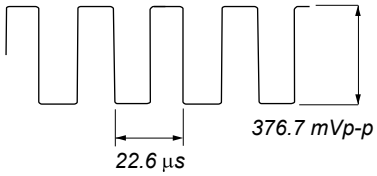
100 mV/DIV, 20 nsec/DIV

③ IC501 ⑬ (ABCK)



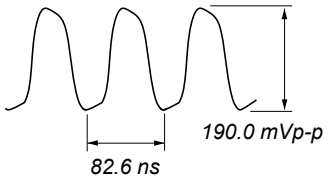
100 mV/DIV, 100 nsec/DIV

④ IC501 ⑰ (ALRCK)



100 mV/DIV, 10 µs/DIV

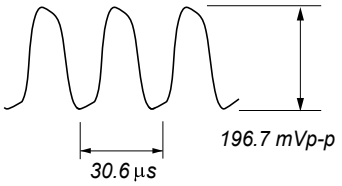
⑤ IC762 ④ (XTALO)



50 mV/DIV, 20 ns/DIV

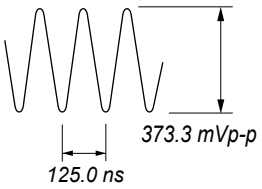
– MAIN Board –

⑥ IC500 ⑪ (XC-OUT)



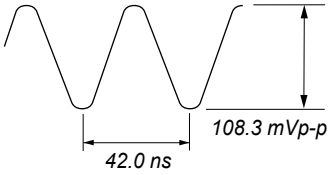
50 mV/DIV, 10 µsec/DIV

⑦ IC500 ⑬ (X-OUT)



100 mV/DIV, 50 nsec/DIV

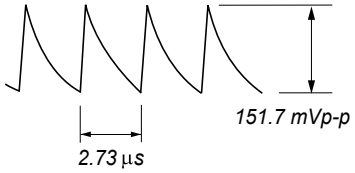
⑧ IC700 ㉜ (XTAL2)



50 mV/DIV, 10 nsec/DIV

– DISPLAY Board –

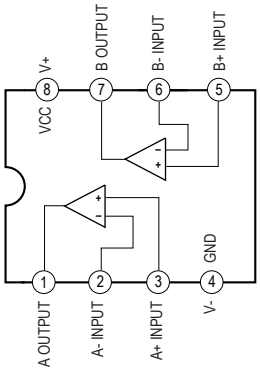
⑨ IC1001 ⑦ (OSC)



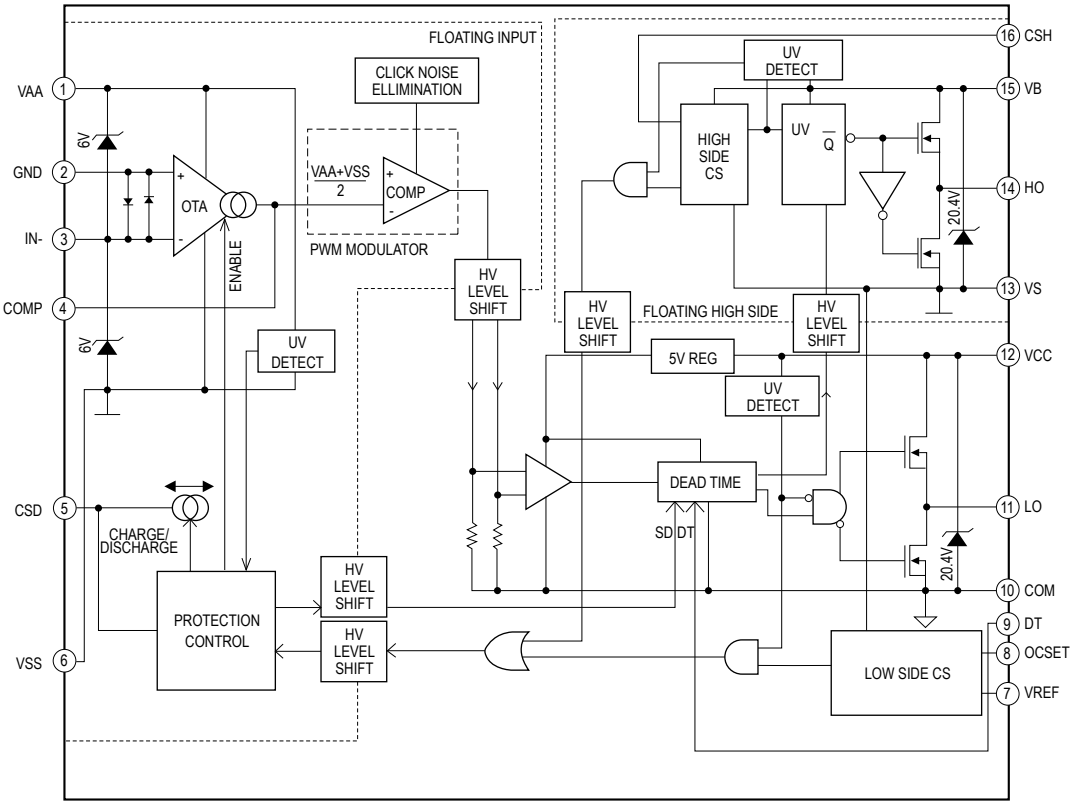
50 mV/DIV, 1 µsec/DIV

- **IC Block Diagrams**

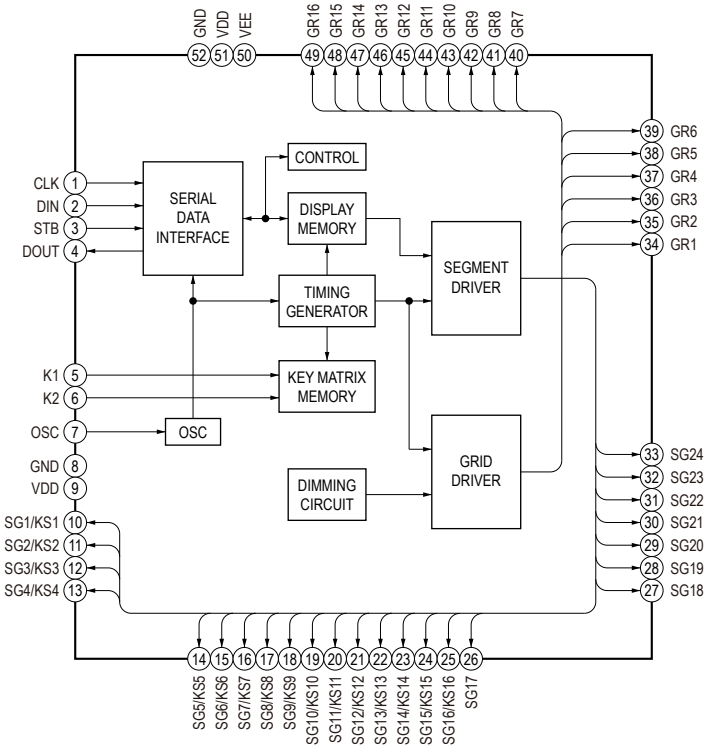
IC1405 NJM2903V (TE2) (4CH DAMP BOARD (2/3))
IC1410, IC1411 BA4580RF-E2 (4CH DAMP BOARD (2/3))
IC702 NJM2903V (TE2) (MAIN BOARD (4/4))



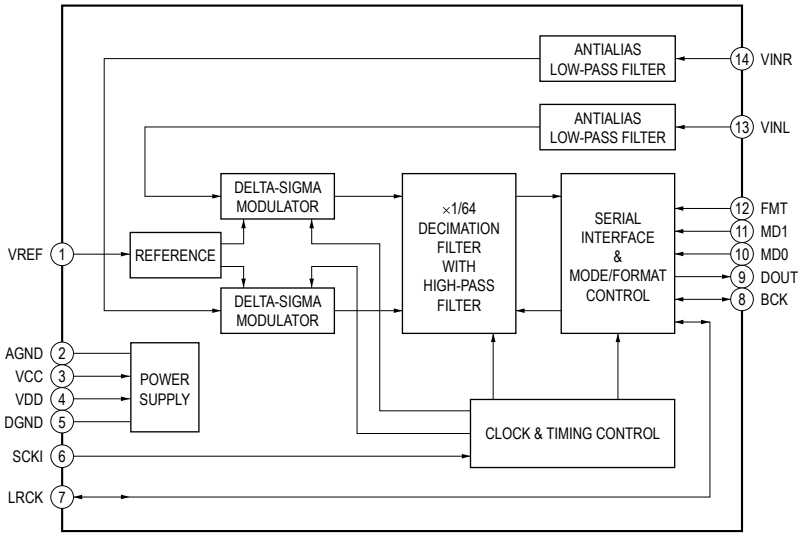
IC1406, IC1407, IC1408, IC1409 IRS2092STRPBF (4CH DAMP BOARD)



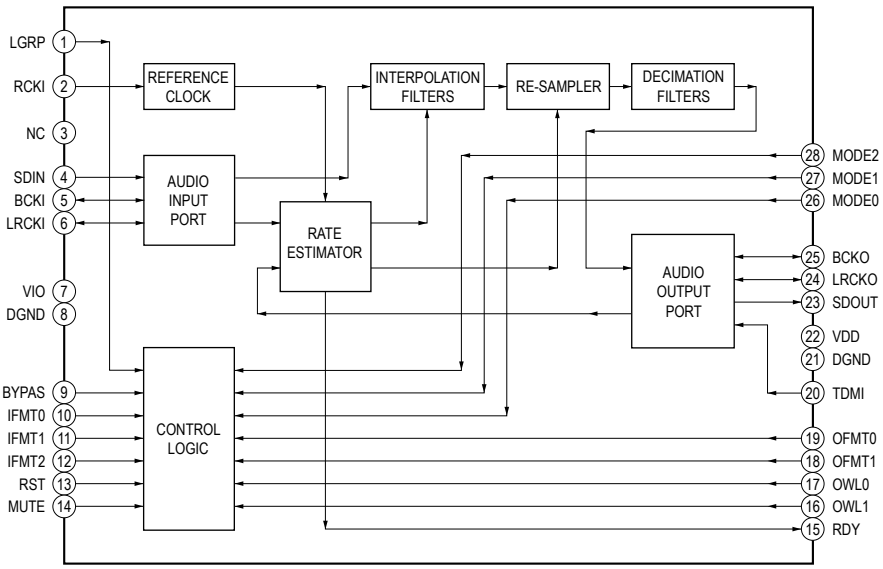
IC1001 PT6324-LQ (DISPLAY BOARD)



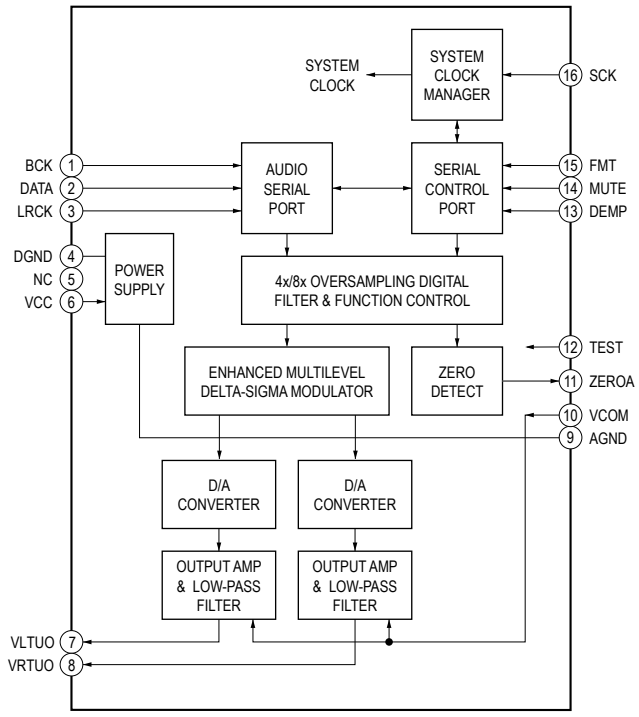
IC721 PCM1808PWR (DMB22 BOARD)



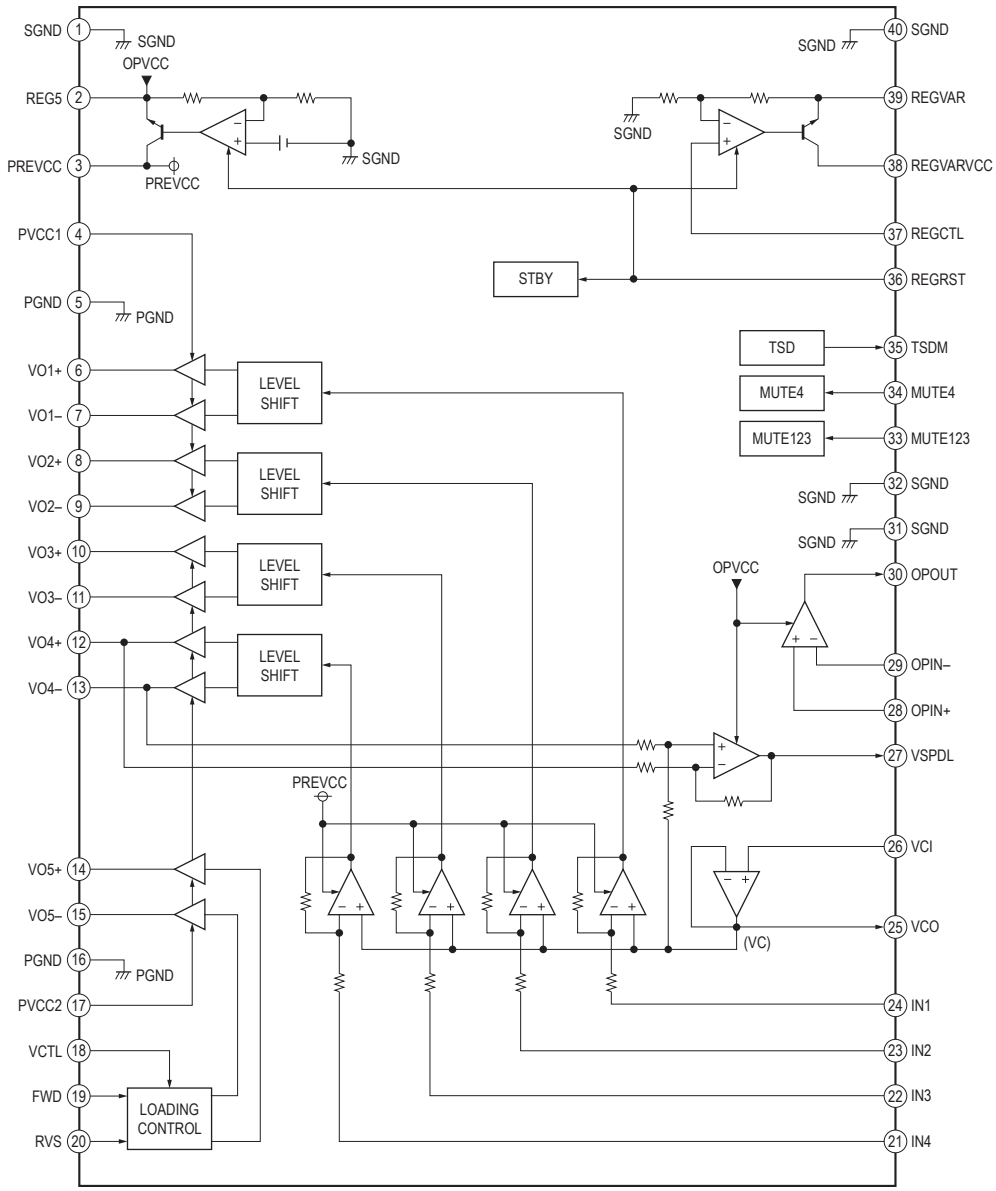
IC761 IC SRC4182 (DMB22 BOARD)



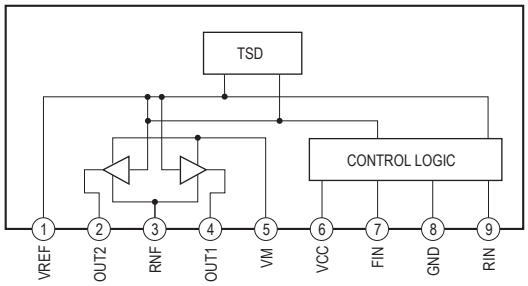
IC763 PCM1754DBQR (DMB22 BOARD)



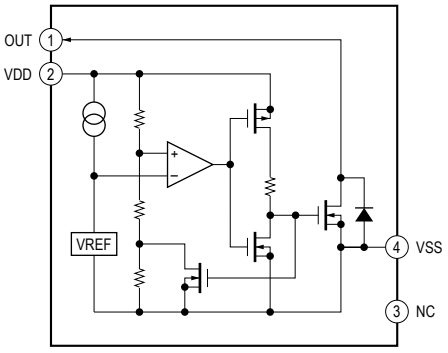
IC801 BD8203EFV-E2 (DMB22 Board (3/3))



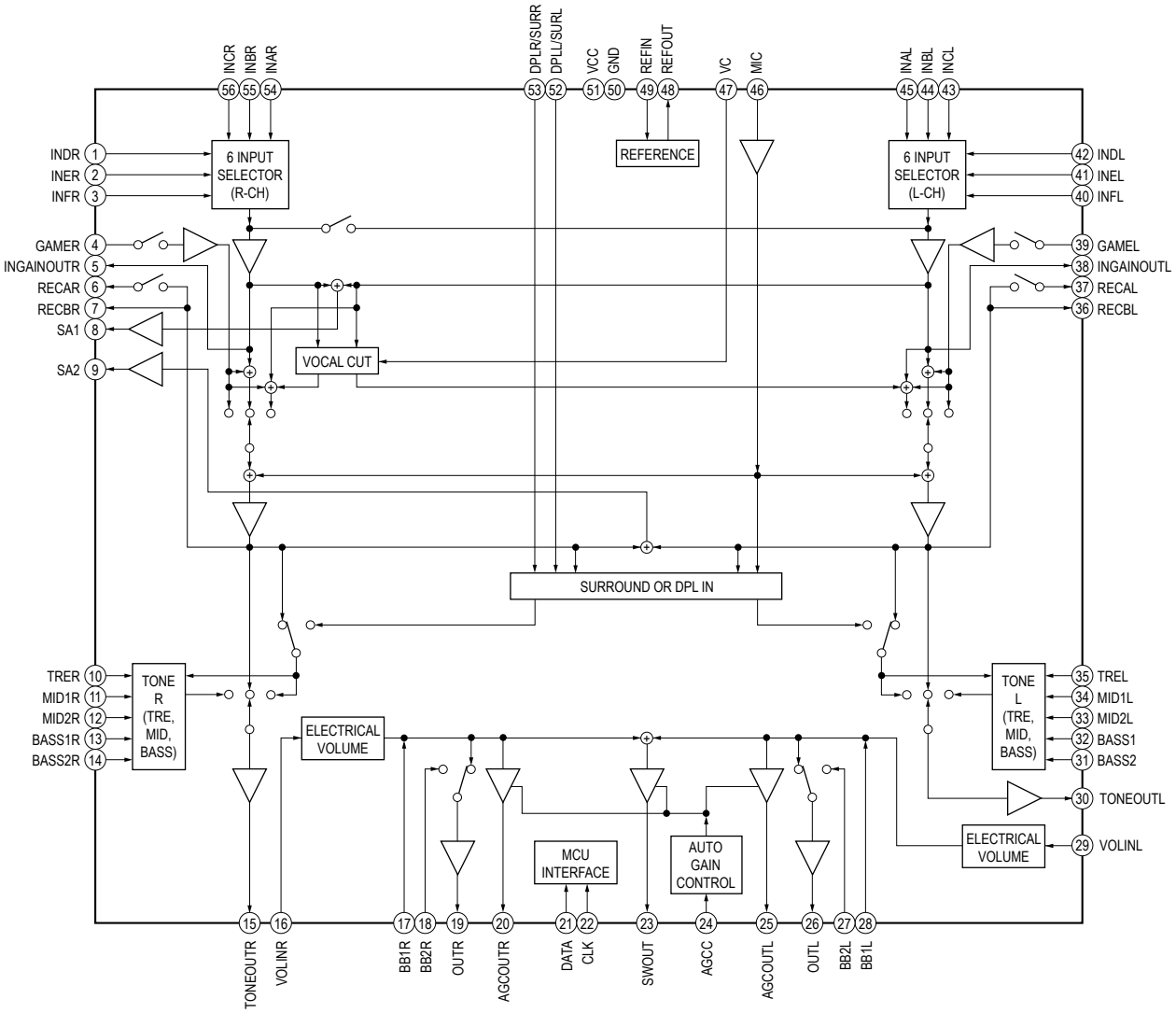
IC701, IC712 BA6956AN (DRIVER BOARD)



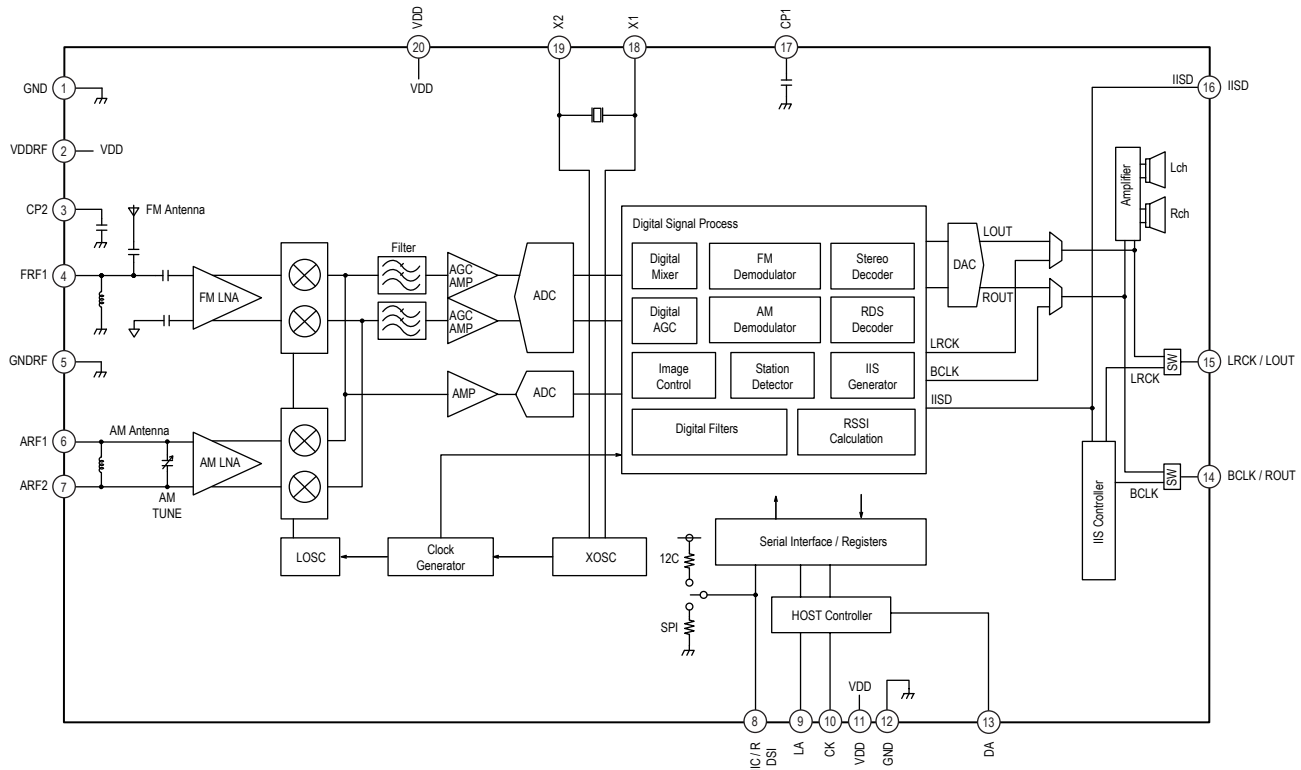
IC508 S-80829CNNB-B8OT2G (MAIN BOARD (1/4))



IC806 R2A15216FP (MAIN BOARD (2/4))



IC101 RZ5B801-0002E2 (TUNER1AM3R BOARD)



• **Descri- «o das fun- »es dos Pinos do IC**

PLACA MAIN (1/4) IC500 R5F3650KBDFA

Pin No.	Pin Name	I/O	Description
1	LED-DATA	O	Data output pin to LED driver
2	LED-CLK	O	Clock output pin to LED driver
3	FR-SPK-LED-RED	O	PWM output to front speaker RED LED (Only for HCD-GPX7 and HCD-GPX8)
4	FR-SPK-LED-BLUE	O	PWM output to front speaker BLUE LED (Only for HCD-GPX7 and HCD-GPX8)
5	SIRCS	I	Remote control signal input
6	LED-LATCH	O	Latch Output to LED driver
7	LED-DRIVER-OE	O	Output Enable Signal to LED Driver
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	I	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	O	Main system clock output terminal (8MHz)
14	VSS	-	Ground terminal
15	XIN	I	Main system clock input terminal (8MHz)
16	VCC1	I	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal
18	MIC-DETECT	I	Mic Input Detection pin. "L": Mic detected (Only for HCD-GPX7 and HCD-GPX8)
19	AC-CUT	I	AC off detection signal input from the reset signal IC "L": AC Cut detected
20	NO-USE	-	Not Used
21	VBUS-OE	O	MTK Vbus Output enable control pin
22	FR-SPK-LED-GREEN	O	PWM output to front speaker GREEN LED (Only for HCD-GPX8)
23	NO-USE	-	Not Used
24	SW-SPK-LED-GREEN	O	PWM output to subwoofer GREEN LED (Only for HCD-GPX8)
25	ASEL	O	Digital Selector Pin
26	DAMP-CLK	O	Clock output signal to Digital Amp
27	DSP-RESET	O	DSP reset pin
28	SW-SPK-LED-RED	O	PWM output to subwoofer RED LED (Only for HCD-GPX7 and HCD-GPX8)
29	NO-USE	-	Not Used
30	SW-SPK-LED-BLUE	O	PWM output to subwoofer BLUE LED (Only for HCD-GPX7 and HCD-GPX8)
31	SOFT-DEBUG1	-	Not Used
32	SOFT-DEBUG2	-	Not Used
33	SOFT-DEBUG3	-	Not Used
34	SOFT-DEBUG4	-	Not Used
35	MTK-SOD	O	Data Out Signal to MTK DMB Board
36	MTK-SIO	I	Data In Signal from MTK DMB Board
37	MTK-CLK	I	Clock Signal from MTK DMB Board
38	MTK-BUSY	O	BUSY Signal communication between MTK Board
39	CLOCK-OUTPUT	-	Not Used
40	MTK-RESET	O	MTK DMB Board reset pin
41	MTK-XIFCS	I	Chip Select Signal from MTK DMB Board
42	MTK-POWER-CTRL	O	Power Control pin for MTK DMB board
43	LM-R	O	CDM turning motor control signal output
44	LM-F	O	CDM turning motor control signal output
45	TM-R	O	CDM turning motor control signal output
46	TM-F	O	CDM turning motor control signal output
47	DSP-DATA	I/O	DSP IC: Data signal for IIC communcation
48	DSP-CLK	I/O	DSP IC: Clock signal for IIC communcation
49	E-1	I	Disc tray status detection signal input from CDM
50	E-2	I	Disc tray status detection signal input from CDM
51	E-3	I	Disc tray status detection signal input from CDM
52	TBL-SENSE	I	Disc tray position detection signal input from CDM
53	OPEN-SW	I	Eject detection signal input from CDM
54	NO-USE	-	Not Used
55	NO-USE	-	Not Used
56	NO-USE	-	Not Used

Pin No.	Pin Name	I/O	Description
57	NO-USE	-	Not Used
58	NO-USE	-	Not Used
59	NO-USE	-	Not Used
60	NO-USE	-	Not Used
61	/FAN-BLOCK DET	I	Fan Block Detection Input Pin. "L": Block On
62	VCC	I	Power supply terminal (+3.3V)
63	PCONT-7V-13.5V	O	13.5V & 7V Power Switch Control pin. "H": 13V
64	VSS	-	Ground terminal
65	PCONT-DAMP	O	Digital Amp Module Power Control Pin. "H": ON
66	/AMP-OTW	-	Not Used
67	AD-KEY0	I	Key input terminal (A/D input)
68	/SD-FAST	I	Power Supply Shutdown Protection Detection Pin. "L": Protect on'
69	FAN-ENABLE	O	Fan Control Switch "H": fan on
70	DAMP-OCP	O	OCP Protect Detection input pin
71	DAMP-RESET	O	Digital Amp Reset Pin
72	NO-USE	-	Not Used
73	RESONANCE DET	I	Resonance Protection Detection Pin
74	/SD-SLOW	I	Digital Amp Shutdown Protection Detection Input Pin. "L": Protect on'
75	ST-RDS	I	Input for RDS Text Detect Signal (L: RDS Detect)
76	ST-CE	O	Tuner IC: Tuner enable input pin
77	ST-DATA	I/O	Tuner IC: Clock signal for IIC communication
78	ST-CLK	I/O	Tuner IC: Data signal for IIC communication
79	PCONT-PSAVE-PROTECT	O	Main power on/off control signal output "H":power on
80	SW-MUTE	O	Muting Control Switch for Subwoofer Speaker. "L": mute on
81	FRONT-MUTE	O	Muting Control Switch for Front Speaker. "L": mute on
82	HUB-VBUS-DETECT	O	Hub Power (V-DET) Control Port
83	HUB-RESET	O	MTK Hub Board reset pin
84	/HUB-OC1	I	USB Overcurrent Detection input port 1
85	/HUB-OC2	I	USB Overcurrent Detection input port 2
86	AUDIO-DATA	O	Serial data transfer clock signal output to audio signal processor, R2A15216FP
87	AUDIO-CLK	O	Serial data output to audio signal processor, R2A15216FP
88	MTK-PWR-MONITOR	I	MTK DMB Board power monitor input pin (A/D input)
89	FL-CS	O	Serial data chip select signal to FL Driver, PT6324
90	FL-DATA	O	Serial data output signal to FL Driver, PT6324
91	FL-CLK	O	Serial data clock signal to FL Driver, PT6324
92	AD-KEY1	I	Key input terminal (A/D input)
93	VACS-IN	I	VACS level detection signal (A/D input)
94	MODEL_DESTINA-TION-IN	I	Model and Destination setting terminal (A/D input)
95	MASTER-VOLUME	I	Jog dial pulse input from the MASTER VOLUME encoder (A/D input)
96	VSS	-	Ground terminal
97	NO-USE	-	Not Used
98	VREF	I	A/D Converter reference voltage input terminal (+3.3V)
99	VCC	I	Power supply terminal (+3.3V)
100	NO-USE	-	Not Used

PLACA DMB22 (2/3) IC501 CXD90013R

Pin No.	Pin Name	I/O	Description
1	RFC	I	RF main beam (A) input from the optical pick-up block
2	RFD	I	RF main beam (D) input from the optical pick-up block
3	RFE	I	RF sub beam (F) input from the optical pick-up block
4	RFF	I	RF sub beam (E) input from the optical pick-up block
5	AVDD12_2	-	Power supply terminal (+1.2V)
6	AVDD33_1	-	Power supply terminal (+3.3V)
7	XTALI	I	System clock input terminal (27 MHz)
8	XTALO	O	System clock output terminal (27 MHz)
9	AGND33	-	Ground terminal
10	V20	O	Reference voltage (+2V) output to the optical pick-up block
11	V14	O	Reference voltage (+1.4V) output terminal
12	REXT	I	Current reference input terminal Fixed at “L” in this set
13	MDI1	I	Laser power monitor input from the optical pick-up block
14	LDO1	O	Laser diode drive signal output to the optical pick-up block
15	LDO2	O	Laser diode drive signal output to the optical pick-up block
16	AVDD33_2	-	Power supply terminal (+3.3V)
17	DMO	O	Spindle motor control signal output to the motor driver
18	FMO	O	Sled motor control signal output to the motor driver
19	TRAY_OPEN	O	Muting signal output to the coil/motor driver (for spindle motor)
20	TRAY_CLOSE	O	CD/DVD selection signal output terminal “L”: CD, “H”: DVD
21	TRO	O	Tracking coil control signal output to the coil driver
22	FOO	O	Focus coil control signal output to the coil driver
23	FG	I	Thermal shut down signal input from the coil/motor driver
24	USB_DM	I/O	Two-way audio serial data with the USB controller
25	USB_DP	I/O	Two-way audio serial data with the USB controller
26	VDD33_USB	-	Power supply terminal (+3.3V)
27	VSS33_USB	-	Ground terminal
28	PAD_VRT	I/O	USB generating reference current terminal
29	VDD12_USB	-	Power supply terminal (+1.2V)
30	SF_CS_	O	Chip select signal output to the flash ROM
31	SF_DO	O	Serial data output to the flash ROM
32	SF_DI	I	Serial data input from the flash ROM
33	SF_CK	O	Serial clock signal output to the flash ROM
34	UP1_6	O	Serial data transfer clock signal output to the system controller
35	UP1_7	O	Serial data output to the system controller
36	GPIO11	-	Not used
37	GPIO6	-	Not used
38	PRST#	I	Reset signal input from the system controller “L”: reset
39	IR	I	IR control signal input terminal Not used
40	GPIO3	I	Serial data input from the system controller
41	GPIO4	I	Communication initialization request signal input from the system controller
42	GPIO13	O	Communication initialization request acknowledge signal output to the system controller
43	GPIO9	-	Not used
44	GPIO8	-	Not used
45	GPIO7	O	Muting signal output to the coil/motor driver (for focus/tracking coil and sled motor)
46	GPIO29	-	Not used
47	GPIO30	-	Not used
48	GPIO31	-	Not used
49	GPIO32	-	Not used
50	DVSS33	-	Ground terminal
51	DVDD33	-	Power supply terminal (+3.3V)
52	RD0	I/O	Two-way data bus with the SD-RAM
53	RD1	I/O	Two-way data bus with the SD-RAM
54	RD2	I/O	Two-way data bus with the SD-RAM
55	RD3	I/O	Two-way data bus with the SD-RAM
56	DVDD12	-	Power supply terminal (+1.2V)
57	RD4	I/O	Two-way data bus with the SD-RAM
58	RD5	I/O	Two-way data bus with the SD-RAM
59	RD6	I/O	Two-way data bus with the SD-RAM

Pin No.	Pin Name	I/O	Description
60	RD7	I/O	Two-way data bus with the SD-RAM
61	DQM0	O	Data mask signal output to the SD-RAM
62	RD15	I/O	Two-way data bus with the SD-RAM
63	RD14	I/O	Two-way data bus with the SD-RAM
64	RD13	I/O	Two-way data bus with the SD-RAM
65	RD12	I/O	Two-way data bus with the SD-RAM
66	RD11	I/O	Two-way data bus with the SD-RAM
67	RD10	I/O	Two-way data bus with the SD-RAM
68	RD9	I/O	Two-way data bus with the SD-RAM
69	RD8	I/O	Two-way data bus with the SD-RAM
70	DQM1	O	Data mask signal output to the SD-RAM
71	DVDD33	-	Power supply terminal (+3.3V)
72	RCLK	O	Clock signal output to the SD-RAM
73	RA11	O	Address signal output to the SD-RAM
74	RA9	O	Address signal output to the SD-RAM
75	RA8	O	Address signal output to the SD-RAM
76	RA7	O	Address signal output to the SD-RAM
77	RA6	O	Address signal output to the SD-RAM
78	RA5	O	Address signal output to the SD-RAM
79	RA4	O	Address signal output to the SD-RAM
80	RWE#	O	Write enable signal output to the SD-RAM
81	DVSS12	-	Ground terminal
82	CAS#	O	Column address strobe signal output to the SD-RAM
83	RAS#	O	Row address strobe signal output to the SD-RAM
84	DVDD33	-	Power supply terminal (+3.3V)
85	BA0	O	Bank address signal output to the SD-RAM
86	BA1	O	Bank address signal output to the SD-RAM
87	DVDD12	-	Power supply terminal (+1.2V)
88	RA10	O	Address signal output to the SD-RAM
89	RA0	O	Address signal output to the SD-RAM
90	RA1	O	Address signal output to the SD-RAM
91	RA2	O	Address signal output to the SD-RAM
92	RA3	O	Address signal output to the SD-RAM
93	SPDIF	-	Not used
94	GPIO10	-	Not used
95	GPIO33	-	Not used
96	DACVDDC	-	Power supply terminal (+3.3V)
97	VREF	I	Band gap reference voltage terminal
98	FS	I	Full scale adjustment terminal
99	DACVSSC	-	Ground terminal
100	CVBS	O	Composite video signal output terminal Not used
101	DACVDDB	-	Power supply terminal (+3.3V)
102	Y/G	O	Component video (Y) signal output terminal Not used
103	B/CB/PB	O	Component video (Pb/Cb) signal output terminal Not used
104	R/CR/PR	O	Component video (Pr/Cr) signal output terminal Not used
105	AADVSS	-	Ground terminal
106	AKIN2	I	Audio data input from the A/D converter (for USB)
107	ADVCM	-	Not used
108	AKIN1	-	Not used
109	AADVDD	-	Power supply terminal (+3.3V)
110	ADACVSS2	-	Ground terminal
111	ADACVSS1	-	Ground terminal
112	ARF/LFE	O	Master clock signal output to the A/D converter and D/A converter
113	ARS	O	Bit clock signal output to the A/D converter and D/A converter
114	AR	-	Not used
115	AVCM	I	Audio D/A converter reference voltage terminal
116	AL	-	Not used
117	ALS	O	L/R sampling clock signal output to the A/D converter and D/A converter
118	ALF/CENTER	O	Audio data output to the D/A converter

Pin No.	Pin Name	I/O	Description
119	ADACVDD1	-	Power supply terminal (+3.3V)
120	ADACVDD2	-	Power supply terminal (+3.3V)
121	AVDD12_1	-	Power supply terminal (+1.2V)
122	AGND12	-	Ground terminal
123	RFIP	I	AC coupled RF signal input from the optical pick-up block
124	RFIN	I	AC coupled RF signal input from the optical pick-up block
125	RFG	I	Power monitor terminal
126	RFH	I	Spindle motor hall sensor input from the motor driver
127	RFA	I	RF main beam (C) input from the optical pick-up block
128	RFB	I	RF main beam (B) input from the optical pick-up block

SE¢ë O 6
VISTA EXPLODIDA

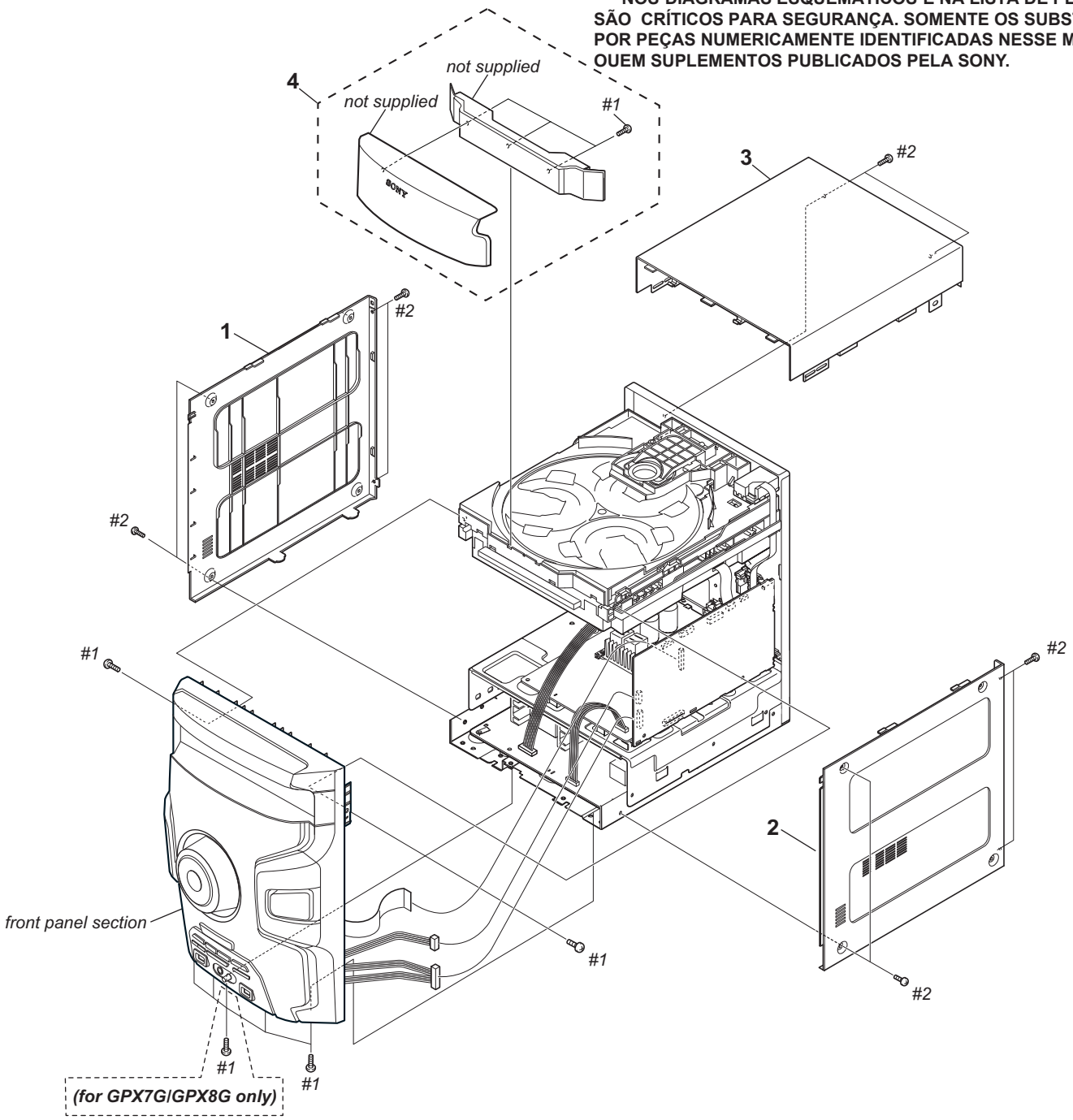
Note:

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

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

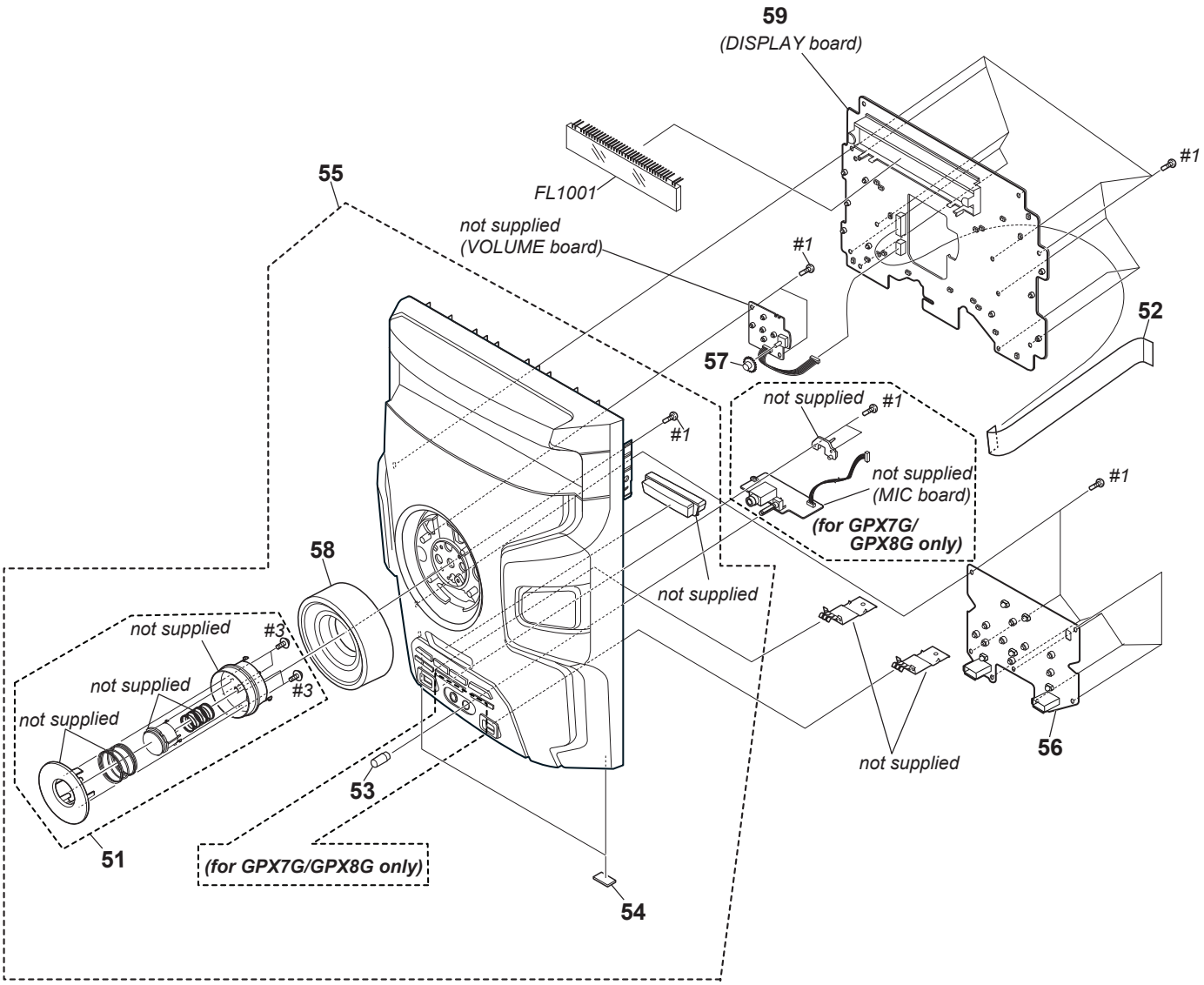
ATEN¢ë O COM OS COMPONENTES DE SEGURAN¢A
COMPONENTES IDENTIFICADOS COM A MARCA ⚠
NOS DIAGRAMAS ESQUEMÃTICOS E NA LISTA DE PEÇAS
SÃO CRÍTICOS PARA SEGURANÇA. SOMENTE OS SUBSTITUA
POR PEÇAS NUMERICAMENTE IDENTIFICADAS NESSE MANUAL
OUEM SUPLEMENTOS PUBLICADOS PELA SONY.

6-1. SE¢ë O TAMPA



Ref. No.	Part No.	Description	Remark
1	4-411-585-01	PANEL, SIDE (L)	
2	4-411-586-01	PANEL, SIDE (R)	
3	4-265-361-02	PANEL, TOP	
4	X-2583-467-1	PANEL, LOADING ASSY (GPX5) (GPX5G)	
4	X-2583-466-1	PANEL, LOADING ASSY (GPX7) (GPX7G)	
4	X-2583-423-1	PANEL, LOADING ASSY (GPX8) (GPX8G)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3	

6-2. SE¢ë O PAINEL FRONTAL

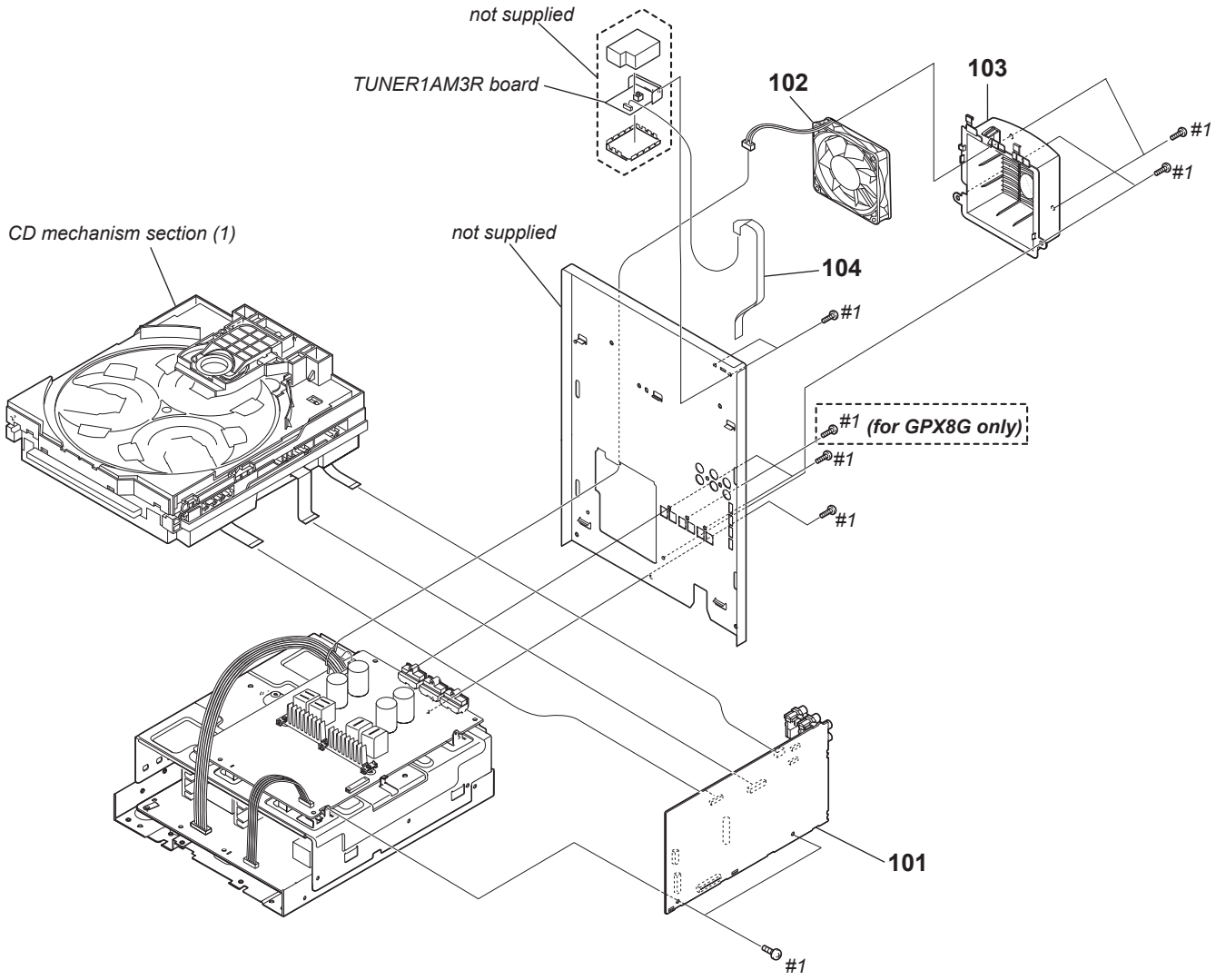


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
51	X-2583-417-1	BUTTON, CURSOR ASSY (GPX8)	
52	1-828-995-11	WIRE (FLAT TYPE) (17 CORE)	
53	4-411-587-01	KNOB (MIC) (GPX7G/GPX8G)	
54	4-176-619-21	FOOT, RUBBER	
55	X-2583-410-1	PANEL, FRONT ASSY (GPX8) (GPX7G/GPX8G)	
55	Y-8287-982-A	PAINEL FRONTAL MOTADO (GPX7G/GPX8G)	
55	Y-8288-015-A	PAINEL FRONTAL MOTADO (GPX5G)	
55	X-2583-411-1	PANEL, FRONT ASSY (GPX5) (GPX5G)	
56	A-1858-081-A	USB BOARD, COMPLETE (GPX8G)	

Ref. No.	Part No.	Description	Remark
56	A-1858-087-A	USB BOARD, COMPLETE (GPX5G/GPX7G)	
57	4-416-934-01	GEAR (ENCODER)	
58	4-411-559-01	KNOB, VOLUME (GPX7G/GPX8G)	
58	4-411-559-11	KNOB, VOLUME (GPX5G)	
FL1001	1-483-424-11	VACUUM FLUORESCENT DISPLAY	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-000-12	TAPPING +PWH 2X4 TYPE2 N-S	
59	Y-8287-984-A	PCI PAINEL MONTADA (GPX8G)	
59	Y-8288-003-A	PCI PAINEL MONTADA (GPX7G)	
59	Y-8288-016-A	PCI PAINEL MONTADA (GPX5G)	

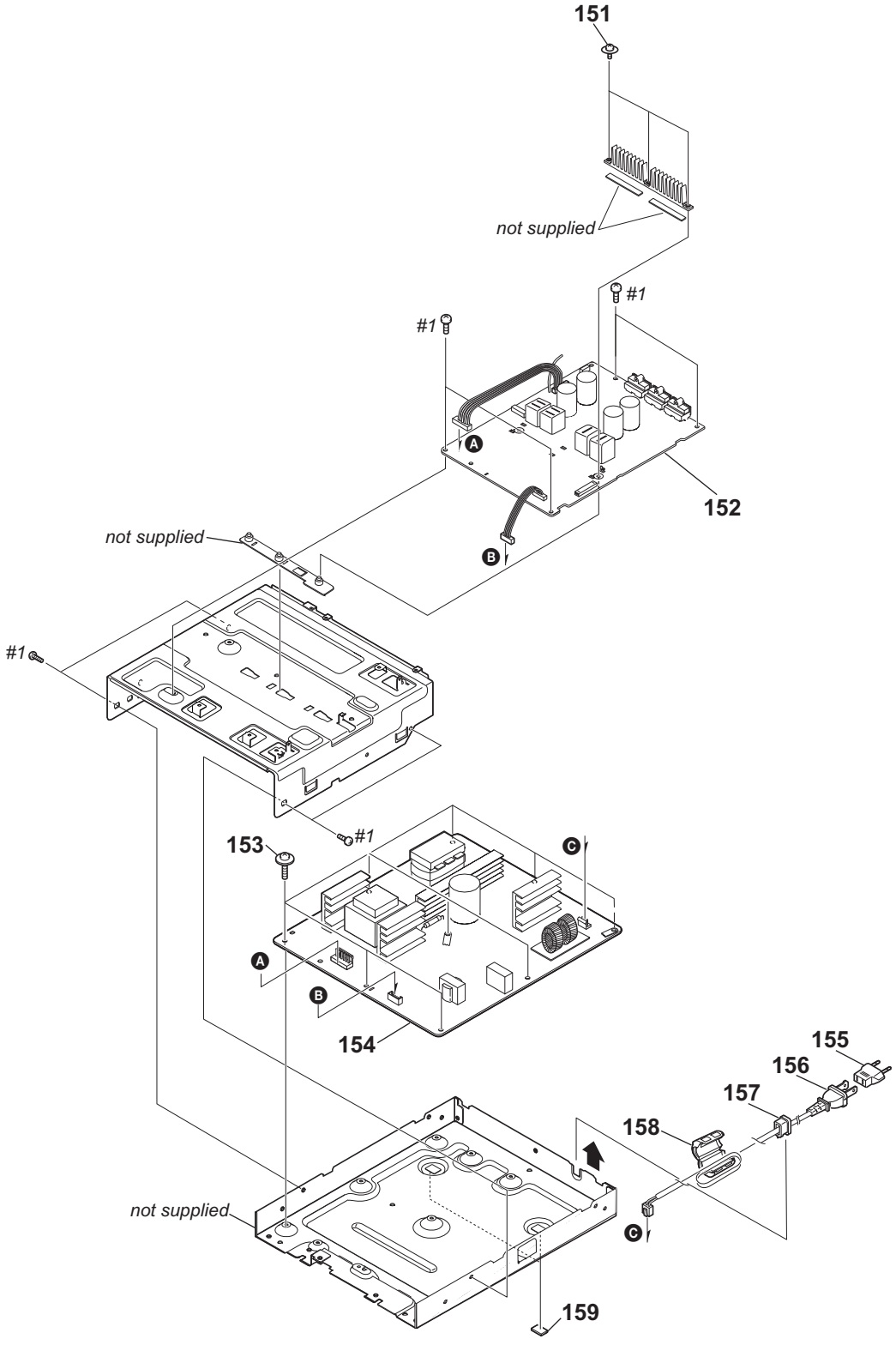
6-3. SE¢ë O PAINEL TRASEIRO



Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
101	A-1858-135-A	MAIN BOARD, COMPLETE (GPX5G)	
101	A-1858-138-A	MAIN BOARD, COMPLETE (GPX8G: E2, E51, MX)	
101	A-1858-140-A	MAIN BOARD, COMPLETE (GPX7G)	
101	A-1871-121-A	MAIN BOARD, COMPLETE (GPX8G: E4)	
101	Y-8287-989-A	PCI PRINCIPAL MONTADA (GPX8)	
101	Y-8288-006-A	PCI PRINCIPAL MOTADO (GPX7G)	
101	Y-8288-021-A	PCI PRINCIPAL MOTADO (GPX5G)	
⚠ 102	1-855-006-11	FAN, DC	
103	4-411-583-02	COVER, FAN	
104	1-838-606-11	WIRE (FLAT TYPE) (9 CORE)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

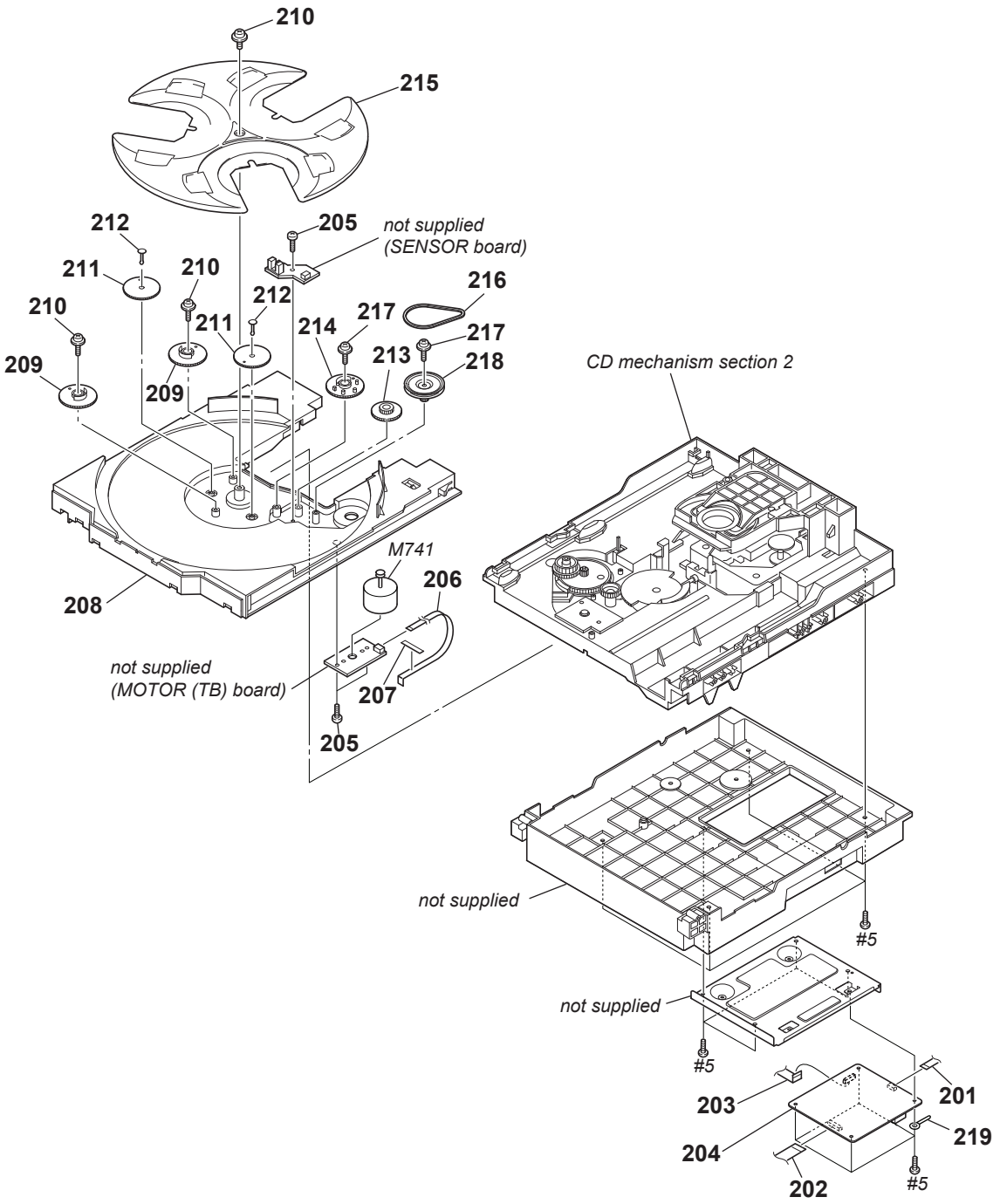
6-4. SE¢ë O CHASSI



Ref. No.	Part No.	Description	Remark
151	3-341-549-01	SCREW (2.6X12) (DIA.7.5), +PTP WH	
152	A-1857-977-A	4CH DAMP BOARD, COMPLETE (GPX5G)	
152	A-1857-980-A	4CH DAMP BOARD, COMPLETE (GPX7G)	
152	A-1857-982-A	4CH DAMP BOARD, COMPLETE (GPX8G)	
152	Y-8287-986-A	PCI 4CH DAMP MONTADA (GPX8G)	
152	Y-8288-007-A	PCI 4CH DAMP MONTADA (GPX7G)	
152	Y-8288-018-A	PCI 4CH DAMP MONTADA (GPX5G)	
153	2-677-839-01	+PWH 3X8 (SUMITITE)	
⚠ 154	1-490-057-11	REGULATOR, SWITCHING (3H384W) (GPX8G)	
⚠ 154	1-490-058-11	REGULATOR, SWITCHING (3H385W) (GPX5G/GPX7G)	

Ref. No.	Part No.	Description	Remark
154	Y-8288-053-A	PCI SMPS 3H384W MONTADA (GPX8G)	
154	Y-8288-055-A	PCI SMPS 3H385W MONTADA (GPX7G/GPX5G/GPX3G)	
⚠ 155	1-569-007-12	ADAPTOR, CONVERSION 2P (E2)	
⚠ 155	1-843-324-11	ADAPTOR, CONVERSION 2P (E51, E4)	
⚠ 156	1-837-344-11	CORD, POWER-SUPPLY (E2, MX)	
⚠ 156	1-838-939-21	CORD, POWER (E51, E4)	
⚠ 157	4-966-267-12	BUSHING (FBS001), CORD	
158	1-457-369-12	CORE, FERRITE	
159	4-176-619-01	FOOT, RUBBER	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

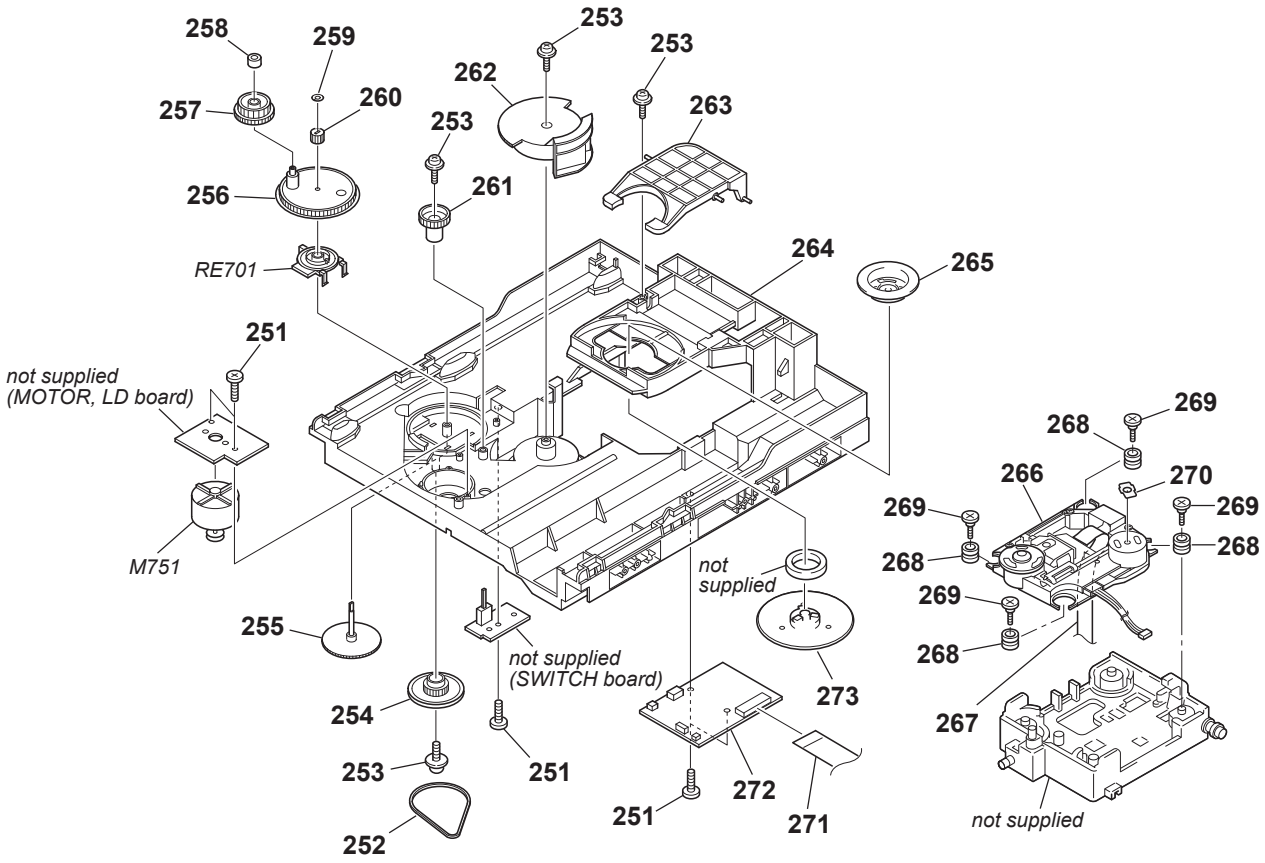
6-5. SE¢ë O MECANISMO CD (1) (CDM74I-DVBU201//M)



Ref. No.	Part No.	Description	Remark
201	1-828-602-11	WIRE (FLAT TYPE) (15 CORE)	
202	1-828-621-11	WIRE (FLAT TYPE) (19 CORE)	
203	1-830-688-51	WIRE (FLAT TYPE) (24 CORE)	
204	A-1856-773-A	DMB22 BOARD, COMPLETE	
204	Y-8287-983-A	PCI DMB22 MONTADA	
205	4-218-253-62	SCREW (M2.6), +BTTP	
206	1-828-798-21	WIRE (FLAT TYPE) (5 CORE)	
207	3-231-598-01	SHEET (BA)	
208	4-295-595-01	TABLE (LOADING) (S76)	
209	4-245-571-02	GEAR (STOPPER)	
210	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
211	4-245-570-01	GEAR (JOINT)	

Ref. No.	Part No.	Description	Remark
212	4-245-572-01	BUSHING (GEAR)	
213	4-243-820-01	GEAR (TABLE)	
214	4-243-819-01	GEAR (GENEVA)	
215	4-295-596-01	TRAY (S76)	
216	4-243-823-11	BELT (TABLE)	
217	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
218	4-243-821-01	PULLEY (TABLE)	
* 219	3-703-150-11	CLAMP	
M741	A-1108-965-A	MOTOR ASSY, TABLE	
#5	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	

6-6. SE¢ëO MECHANISMO CD (2)



Ref. No.	Part No.	Description	Remark
251	4-218-253-52	SCREW (M2.6), +BTTP	
252	4-244-034-11	BELT (LOADING)	
253	4-218-252-52	SCREW (+PTPWH M2.6), FLOATING	
254	4-225-844-01	GEAR (LOADING A)	
255	4-224-613-12	GEAR (SHAFT)	
256	4-244-108-01	GEAR, SWING	
257	4-224-609-01	GEAR (LOADING C)	
258	4-224-608-01	COLLAR, SWING	
259	3-016-533-11	WASHER (FR), STOPPER	
260	4-224-611-01	GEAR (LOADING B)	
261	4-224-606-01	GEAR (RV)	
262	4-243-818-01	GEAR (U/D)	

Ref. No.	Part No.	Description	Remark
263	4-295-594-01	LEVER (S76)	
264	4-295-597-01	CHASSIS (S76)	
265	2-345-983-01	PULLEY B (310), CHUCKING	
266	A-1880-228-A	SERVICE, OPTICAL DEVICE	
267	1-830-688-51	WIRE (FLAT TYPE) (24 CORE)	
268	2-634-618-31	INSULATOR	
269	3-087-599-01	INSULATOR SCREW	
270	4-418-987-11	SHEET (S76)	
271	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)	
272	A-1103-756-B	DRIVER BOARD, COMPLETE	
273	4-295-593-01	PULLEY, CHUCKING A (S76)	
M751	A-1143-804-A	MOTOR ASSY, LOADING	
RE701	1-477-680-12	ENCODER, ROTARY	

SE¢ëO 7
LISTA DE PE¢AS EL£TRICAS

4CH DAMP

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.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  E4 : African model
  E2 : 120V AC area in E model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  BR : Modelo Brasil

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

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

Ref. No.	Part No.	Description			Remark
	A-1857-977-A	4CH DAMP BOARD, COMPLETE (GPX5G)			
	A-1857-980-A	4CH DAMP BOARD, COMPLETE (GPX7G)			
	A-1857-982-A	4CH DAMP BOARD, COMPLETE (GPX8G)			
		**********			
		< CAPACITOR >			
C1400	1-126-935-11	ELECT	470uF	20%	16V
C1401	1-126-948-11	ELECT	100uF	20%	35V
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
C1407	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1408	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1409	1-126-964-11	ELECT	10uF	20%	50V
C1410	1-126-964-11	ELECT	10uF	20%	50V
C1411	1-126-964-11	ELECT	10uF	20%	50V
C1412	1-126-964-11	ELECT	10uF	20%	50V
C1413	1-126-964-11	ELECT	10uF	20%	50V
C1414	1-126-964-11	ELECT	10uF	20%	50V
C1415	1-126-964-11	ELECT	10uF	20%	50V (GPX8G)
C1416	1-126-964-11	ELECT	10uF	20%	50V (GPX8G)
C1424	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1425	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1429	1-126-964-11	ELECT	10uF	20%	50V
C1430	1-126-964-11	ELECT	10uF	20%	50V
C1431	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1432	1-127-813-11	ELECT (BLOCK)	3300uF	20%	71V
C1435	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1436	1-126-923-91	ELECT	220uF	20%	10V
C1437	1-126-923-91	ELECT	220uF	20%	10V
C1439	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1440	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1441	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1442	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1450	1-126-947-11	ELECT	47uF	20%	35V
C1456	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (GPX8G)
C1457	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1458	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1459	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V (GPX8G)
C1461	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-126-964-11	ELECT	10uF	20%	50V
C1463	1-126-964-11	ELECT	10uF	20%	50V
C1468	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V (GPX8G)
C1469	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C1470	1-165-895-91	CERAMIC CHIP	0.1uF	10%	50V
C1471	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C1473	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1474	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1475	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1476	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1477	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1478	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1479	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1480	1-124-779-00	ELECT CHIP	10uF	20%	16V (GPX8G)
C1481	1-124-779-00	ELECT CHIP	10uF	20%	16V (GPX8G)
C1482	1-164-933-11	CERAMIC CHIP	220PF	10%	50V (GPX8G)
C1483	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1484	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1485	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C1486	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1487	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V (GPX8G)
C1488	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1489	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1490	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1491	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1492	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V (GPX8G)
C1493	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1494	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1495	1-116-173-91	CERAMIC CHIP	0.0022uF	5%	50V
C1496	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V (GPX8G)
C1497	1-124-779-00	ELECT CHIP	10uF	20%	16V (GPX8G)
C1498	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1499	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1500	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1501	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1502	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C1503	1-124-779-00	ELECT CHIP	10uF	20%	16V
C1504	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V (GPX8G)
C1505	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V

4CH DAMP

Ref. No.	Part No.	Description			Remark
C1506	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1507	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1508	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V (GPX8G)
C1509	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V (GPX8G)
C1510	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1511	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1512	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1513	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1514	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1515	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1516	1-114-236-21	CERAMIC CHIP	22uF	10%	25V (GPX8G)
C1517	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1518	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1519	1-114-236-21	CERAMIC CHIP	22uF	10%	25V
C1520	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V (GPX8G)
C1521	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1522	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1523	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1524	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V (GPX8G)
C1525	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V (GPX8G)
C1526	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1527	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1528	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1529	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1530	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1531	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C1532	1-100-153-91	CERAMIC CHIP	220PF	5%	100V (GPX8G)
C1533	1-100-153-91	CERAMIC CHIP	220PF	5%	100V (GPX8G)
C1534	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1535	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1536	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1537	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1538	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1539	1-100-153-91	CERAMIC CHIP	220PF	5%	100V
C1540	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V (GPX8G)
C1541	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V (GPX8G)
C1542	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1543	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1544	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1547	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1552	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1553	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1554	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1555	1-100-245-21	CERAMIC CHIP	0.001uF	10%	250V
C1557	1-116-881-11	FILM	0.47uF	5%	250V (GPX8G)
C1559	1-116-881-11	FILM	0.47uF	5%	250V
C1563	1-116-881-11	FILM	0.47uF	5%	250V
C1565	1-116-881-11	FILM	0.47uF	5%	250V
C1566	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1567	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1568	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1569	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1572	1-126-964-11	ELECT	10uF	20%	50V
C1574	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1578	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1579	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1580	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1581	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C1582	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V (GPX8G)
C1584	1-126-963-11	ELECT	4.7uF	20%	50V
C1585	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1588	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1589	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1592	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1605	1-126-964-11	ELECT	10uF	20%	50V
C1606	1-126-964-11	ELECT	10uF	20%	50V
C1607	1-126-964-11	ELECT	10uF	20%	50V
C1608	1-126-964-11	ELECT	10uF	20%	50V
C1614	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C1615	1-164-862-81	CERAMIC CHIP	33PF	5%	50V
C1616	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1619	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1625	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V (GPX8G)
C1626	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1627	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V
C1628	1-116-908-21	CERAMIC CHIP	0.22uF	10%	250V (GPX8G)
C1629	1-126-923-91	ELECT	220uF	20%	10V
C1634	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1643	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1645	1-126-947-11	ELECT	47uF	20%	35V
C1646	1-126-947-11	ELECT	47uF	20%	35V
C1647	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1648	1-137-909-91	CERAMIC CHIP	0.22uF	10%	35V
C1658	1-100-761-21	CERAMIC CHIP	0.01uF	10%	250V (GPX8G)
C1660	1-100-761-21	CERAMIC CHIP	0.01uF	10%	250V
C1662	1-100-761-21	CERAMIC CHIP	0.01uF	10%	250V
C1664	1-100-761-21	CERAMIC CHIP	0.01uF	10%	250V
		< CONNECTOR >			
* CN1405	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D1406	6-503-026-01	DI DZ2J120M0L			
D1407	6-503-028-01	DI DZ2J130M0L			
D1408	6-502-970-01	DI DZ2J068M0L			
D1409	6-502-970-01	DI DZ2J068M0L			
D1412	6-503-042-01	DI DZ2J330M0L			
D1413	6-502-974-01	DI DZ2J140M0L			
D1414	6-500-334-01	DIODE MC2836-T112-1			
D1415	6-502-961-01	DI DA2J10100L			
D1417	6-500-334-01	DIODE MC2836-T112-1			
D1419	6-500-334-01	DIODE MC2836-T112-1			

4CH DAMP

Ref. No.	Part No.	Description	Remark
D1421	6-502-945-01	DI CRH01 (TE85R, Q) (GPX8G)	
D1422	6-502-945-01	DI CRH01 (TE85R, Q) (GPX8G)	
D1423	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1424	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1425	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1426	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1427	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1428	6-503-775-01	DI CRH02 (T5R, SONY, XM)	
D1430	6-500-335-01	DIODE MC2838-T112-1	
D1435	6-500-335-01	DIODE MC2838-T112-1	
D1438	6-502-966-01	DI DZ2J056M0L	
D1439	6-503-017-01	DI DZ2J075M0L	
D1442	6-500-335-01	DIODE MC2838-T112-1	
D1443	6-500-334-01	DIODE MC2836-T112-1	
D1444	6-502-961-01	DI DA2J10100L	
D1448	6-500-335-01	DIODE MC2838-T112-1	
D1449	6-500-334-01	DIODE MC2836-T112-1	
D1454	6-502-970-01	DI DZ2J068M0L	
D1455	6-503-026-01	DI DZ2J120M0L	
D1456	6-503-026-01	DI DZ2J120M0L	
D1457	6-502-970-01	DI DZ2J068M0L	
		< EARTH TERMINAL >	
ET1400	1-537-771-21	TERMINAL BOARD, GROUND	
ET1401	1-537-771-21	TERMINAL BOARD, GROUND	
		< FUSE >	
F1690	1-523-130-31	FUSE 0.5A 50V (GPX8G)	
F1691	1-523-130-31	FUSE 0.5A 50V (GPX8G)	
		< IC >	
IC1402	6-717-191-01	IC KIA7812AF-RTF/PW	
IC1403	8-759-700-09	IC NJM2043M-D	
IC1404	8-759-700-09	IC NJM2043M-D	
IC1405	8-759-338-95	IC NJM2903V (TE2)	
IC1406	6-716-579-01	IC IRS2092STRPBF (GPX8G)	
IC1407	6-716-579-01	IC IRS2092STRPBF	
IC1408	6-716-579-01	IC IRS2092STRPBF	
IC1409	6-716-579-01	IC IRS2092STRPBF	
IC1410	6-717-488-01	IC BA4580RF-E2	
IC1411	6-717-488-01	IC BA4580RF-E2	
IC1414	6-717-138-01	IC KIA7805AF-RTF/PW	
IC1415	6-717-136-01	IC KIA7905F-RTF/PW	
		< JUMPER RESISTOR >	
JR1400	1-216-296-11	SHORT CHIP 0 (GPX8G)	
JR1401	1-216-296-11	SHORT CHIP 0 (GPX8G)	
JR1402	1-216-296-11	SHORT CHIP 0 (GPX7G)	
JR1403	1-216-296-11	SHORT CHIP 0 (GPX7G)	
		< COIL >	
L1400	1-481-841-11	INDUCTOR 20uH (GPX8G)	
L1401	1-481-841-11	INDUCTOR 20uH	
L1402	1-481-841-11	INDUCTOR 20uH	
L1403	1-481-841-11	INDUCTOR 20uH	
L1404	1-457-078-11	AIR-CORE COIL	
L1405	1-457-078-11	AIR-CORE COIL	
L1406	1-457-078-11	AIR-CORE COIL (GPX8G)	
L1407	1-457-078-11	AIR-CORE COIL	
L1408	1-414-406-11	INDUCTOR 220uH	

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q1400	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q1401	6-551-268-01	TRANSISTOR 2SC5625	
Q1402	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q1405	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q1407	6-551-693-01	TRANSISTOR RT3T11M-TP-1	
Q1410	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1411	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1412	6-551-699-01	TR ISA1602AM1-T111-1EF (GPX8G)	
Q1413	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1414	6-551-272-01	TRANSISTOR RT3CLLM (GPX8G)	
Q1415	6-551-272-01	TRANSISTOR RT3CLLM	
Q1416	6-551-272-01	TRANSISTOR RT3CLLM	
Q1417	6-551-272-01	TRANSISTOR RT3CLLM	
Q1418	6-552-698-01	TR IRF6775MTR1PBF	
Q1419	6-552-698-01	TR IRF6775MTR1PBF	
Q1420	6-552-698-01	TR IRF6775MTR1PBF	
Q1421	6-552-698-01	TR IRF6775MTR1PBF	
Q1422	6-552-698-01	TR IRF6775MTR1PBF (GPX8G)	
Q1423	6-552-698-01	TR IRF6775MTR1PBF (GPX8G)	
Q1424	6-552-698-01	TR IRF6775MTR1PBF	
Q1425	6-552-698-01	TR IRF6775MTR1PBF	
Q1439	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1441	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q1443	6-551-268-01	TRANSISTOR 2SC5625 (GPX8G)	
Q1444	6-551-268-01	TRANSISTOR 2SC5625	
Q1445	6-551-268-01	TRANSISTOR 2SC5625	
Q1446	6-551-268-01	TRANSISTOR 2SC5625	
Q1447	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1448	6-551-699-01	TR ISA1602AM1-T111-1EF	
Q1449	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q1451	6-552-681-01	TR RT3NDDM-T111-1	
Q1453	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1454	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF (GPX8G)	
Q1455	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1456	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1457	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q1458	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1460	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1469	6-551-268-01	TRANSISTOR 2SC5625	
Q1470	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q1474	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q1475	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q1477	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q1478	8-729-037-13	TRANSISTOR KTA1271Y	
		< RESISTOR >	
R1409	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1410	1-216-845-11	METAL CHIP 100K 5% 1/10W (GPX8G)	
R1412	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1413	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1418	1-216-826-11	METAL CHIP 2.7K 5% 1/10W (GPX8G)	
R1418	1-216-827-11	METAL CHIP 3.3K 5% 1/10W (GPX7G)	
R1418	1-216-837-11	METAL CHIP 22K 5% 1/10W (GPX5G)	
R1419	1-216-826-11	METAL CHIP 2.7K 5% 1/10W (GPX8G)	
R1419	1-216-827-11	METAL CHIP 3.3K 5% 1/10W (GPX7G)	

4CH DAMP

Ref. No.	Part No.	Description			Remark
R1419	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX5G)
R1420	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX7G)
R1420	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GPX8G)
R1420	1-216-864-11	SHORT CHIP	0 (GPX5G)		
R1421	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX7G)
R1421	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GPX8G)
R1421	1-216-864-11	SHORT CHIP	0 (GPX5G)		
R1422	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX7G)
R1422	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GPX8G)
R1422	1-216-864-11	SHORT CHIP	0 (GPX5G)		
R1423	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX7G)
R1423	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GPX8G)
R1423	1-216-864-11	SHORT CHIP	0 (GPX5G)		
R1424	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (GPX8G)
R1425	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (GPX8G)
R1430	1-215-892-11	METAL OXIDE	1K	5%	2W
R1435	1-216-835-11	METAL CHIP	15K	5%	1/10W (GPX8G)
R1436	1-216-835-11	METAL CHIP	15K	5%	1/10W (GPX8G)
R1437	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G)
R1437	1-216-835-11	METAL CHIP	15K	5%	1/10W (GPX8G)
R1437	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX7G)
R1438	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G)
R1438	1-216-835-11	METAL CHIP	15K	5%	1/10W (GPX8G)
R1438	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX7G)
R1439	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1440	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1441	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1443	1-216-843-11	METAL CHIP	68K	5%	1/10W (GPX8G)
R1443	1-216-864-11	SHORT CHIP	0 (GPX5G/GPX7G)		
R1444	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1445	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1446	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1447	1-216-843-11	METAL CHIP	68K	5%	1/10W (GPX8G)
R1447	1-216-864-11	SHORT CHIP	0 (GPX5G/GPX7G)		
R1448	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1449	1-216-843-11	METAL CHIP	68K	5%	1/10W
R1450	1-216-846-11	METAL CHIP	120K	5%	1/10W
R1457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1458	1-216-809-11	METAL CHIP	100	5%	1/10W (GPX8G)
R1459	1-216-809-11	METAL CHIP	100	5%	1/10W
R1460	1-216-809-11	METAL CHIP	100	5%	1/10W
R1461	1-216-809-11	METAL CHIP	100	5%	1/10W
R1462	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1463	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1464	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1465	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1467	1-218-990-81	SHORT CHIP	0		
R1468	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1469	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1470	1-216-793-11	METAL CHIP	4.7	5%	1/10W (GPX8G)
R1471	1-216-793-11	METAL CHIP	4.7	5%	1/10W (GPX8G)
R1473	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1474	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1475	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX8G)
R1476	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1477	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1480	1-218-839-11	METAL CHIP	470	0.5%	1/10W (GPX7G/GPX8G)
R1480	1-218-843-11	METAL CHIP	680	0.5%	1/10W (GPX5G)
R1481	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX8G)
R1482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1483	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1485	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GPX8G)
R1486	1-218-981-91	METAL CHIP	220K	5%	1/16W (GPX8G)
R1487	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1488	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1489	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1490	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1491	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1492	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1494	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX8G)
R1495	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1496	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1497	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1498	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX8G)
R1499	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1500	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1501	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1502	1-216-841-11	METAL CHIP	47K	5%	1/10W (GPX8G)
R1503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1504	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1506	1-208-871-81	METAL CHIP	220	0.5%	1/16W (GPX8G)
R1507	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R1508	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R1509	1-208-871-81	METAL CHIP	220	0.5%	1/16W
R1510	1-248-057-81	METAL CHIP	1K	0.5%	1/16W (GPX8G)
R1511	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1512	1-248-057-81	METAL CHIP	1K	0.5%	1/16W

4CH DAMP

Ref. No.	Part No.	Description			Remark
R1513	1-248-057-81	METAL CHIP	1K	0.5%	1/16W
R1514	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W (GPX8G)
R1515	1-218-958-11	METAL CHIP	2.7K	5%	1/16W (GPX8G)
R1516	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1517	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1518	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1519	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1520	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1521	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R1522	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W (GPX8G)
R1523	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W (GPX8G)
R1524	1-218-971-11	METAL CHIP	33K	5%	1/16W (GPX8G)
R1525	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1526	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1527	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1528	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1529	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1530	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1531	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1532	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1533	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1534	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W (GPX8G)
R1535	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W (GPX8G)
R1536	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1537	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1538	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1539	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1540	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R1541	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1542	1-218-965-11	METAL CHIP	10K	5%	1/16W (GPX8G)
R1543	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1544	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1545	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1546	1-218-971-11	METAL CHIP	33K	5%	1/16W (GPX8G)
R1547	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1548	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1549	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1550	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1551	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1554	1-216-793-11	METAL CHIP	4.7	5%	1/10W (GPX8G)
R1555	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1556	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1557	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1558	1-216-797-11	METAL CHIP	10	5%	1/10W (GPX8G)
R1559	1-216-797-11	METAL CHIP	10	5%	1/10W
R1560	1-216-797-11	METAL CHIP	10	5%	1/10W
R1561	1-216-797-11	METAL CHIP	10	5%	1/10W
R1562	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W (GPX8G)
R1563	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1564	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1565	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1566	1-216-801-11	METAL CHIP	22	5%	1/10W (GPX8G)
R1567	1-216-801-11	METAL CHIP	22	5%	1/10W (GPX8G)
R1568	1-216-801-11	METAL CHIP	22	5%	1/10W
R1569	1-216-801-11	METAL CHIP	22	5%	1/10W
R1570	1-216-801-11	METAL CHIP	22	5%	1/10W
R1571	1-216-801-11	METAL CHIP	22	5%	1/10W
R1572	1-216-801-11	METAL CHIP	22	5%	1/10W
R1573	1-216-801-11	METAL CHIP	22	5%	1/10W
R1574	1-216-797-11	METAL CHIP	10	5%	1/10W (GPX8G)
R1575	1-216-797-11	METAL CHIP	10	5%	1/10W
R1576	1-216-797-11	METAL CHIP	10	5%	1/10W
R1577	1-216-797-11	METAL CHIP	10	5%	1/10W
R1578	1-250-312-21	METAL CHIP	10	5%	1/2W (GPX8G)
R1579	1-250-312-21	METAL CHIP	10	5%	1/2W
R1580	1-250-312-21	METAL CHIP	10	5%	1/2W
R1581	1-250-312-21	METAL CHIP	10	5%	1/2W
R1592	1-227-869-21	METAL CHIP	100	5%	1/2W
R1594	1-227-869-21	METAL CHIP	100	5%	1/2W
R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1619	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (GPX7G)
R1619	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (GPX8G)
R1619	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G)
R1620	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G/GPX8G)
R1620	1-216-836-11	METAL CHIP	18K	5%	1/10W (GPX7G)
R1621	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (GPX7G)
R1621	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (GPX8G)
R1621	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G)
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G/GPX8G)
R1622	1-216-836-11	METAL CHIP	18K	5%	1/10W (GPX7G)
R1623	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX7G)
R1624	1-216-837-11	METAL CHIP	22K	5%	1/10W (GPX7G)
R1625	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1630	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1638	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1642	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1643	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1644	1-216-851-11	METAL CHIP	330K	5%	1/10W
R1645	1-216-851-11	METAL CHIP	330K	5%	1/10W (GPX8G)
R1647	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1653	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R1654	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1655	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1657	1-216-845-11	METAL CHIP	100K	5%	1/10W

4CH DAMP **DISPLAY**

Ref. No.	Part No.	Description			Remark
R1660	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1661	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1662	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W (GPX8G)
R1663	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1664	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1665	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R1667	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1668	1-216-845-11	METAL CHIP	100K	5%	1/10W (GPX8G)
R1669	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
R1687	1-216-864-11	SHORT CHIP	0 (GPX8G)		
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
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
R1758	1-227-869-21	METAL CHIP	100	5%	1/2W
R1759	1-227-869-21	METAL CHIP	100	5%	1/2W
R1760	1-227-869-21	METAL CHIP	100	5%	1/2W
R1761	1-227-869-21	METAL CHIP	100	5%	1/2W
R1762	1-227-869-21	METAL CHIP	100	5%	1/2W (GPX8G)
R1763	1-227-869-21	METAL CHIP	100	5%	1/2W (GPX8G)
R1764	1-227-869-21	METAL CHIP	100	5%	1/2W (GPX8G)
R1765	1-227-869-21	METAL CHIP	100	5%	1/2W (GPX8G)
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
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
R1912	1-216-793-11	METAL CHIP	4.7	5%	1/10W (GPX8G)
R1913	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1954	1-216-793-11	METAL CHIP	4.7	5%	1/10W (GPX8G)
R1955	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
R1978	1-216-864-11	SHORT CHIP	0 (GPX5G/GPX7G)		
R1979	1-216-864-11	SHORT CHIP	0 (GPX5G/GPX7G)		
		< TERMINAL >			
TB1400	1-820-067-21	TERMINAL BOARD (SPEAKER) (SPEAKERS LOW:GPX7G/SUBWOOFER:GPX8G)			
TB1403	1-780-812-11	TERMINAL BOARD (SPEAKER) (SUBWOOFER) (GPX5G)			
TB4001	1-780-893-11	TERMINAL BOARD (SATELLITE SPEAKERS) (GPX8G)			
TB4002	1-780-893-11	TERMINAL BOARD (FRONT SPEAKERS: GPX5G/GPX8G/SPEAKERS HIGH)			
		< THERMISTOR >			
TH1400	1-804-045-11	THERMISTOR (GPX8G)			
TH1401	1-804-045-11	THERMISTOR			
TH1402	1-804-045-11	THERMISTOR			
TH1403	1-804-045-11	THERMISTOR			
**********					
		DISPLAY BOARD			
		**********			
		< CAPACITOR >			
C1001	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1028	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1042	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1045	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1046	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1047	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1055	1-162-921-11	CERAMIC CHIP	0.33uF	5%	50V (GPX5G/GPX7G)
C1056	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1057	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1059	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C1064	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1066	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C1080	1-126-786-11	ELECT	47uF	20%	16V
C1081	1-126-618-11	ELECT	33uF	20%	50V
C1083	1-126-382-11	ELECT	100uF	20%	16V
C1084	1-126-786-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CN1001	1-784-778-11	CONNECTOR, FFC 17P			
CN1002	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN1003	1-564-723-11	PIN, CONNECTOR (SMALL TYPE) 7P			
		< DIODE >			
D1001	6-502-970-01	DI DZ2J068M0L			
D1002	6-503-775-01	DI CRH02 (T5R, SONY, XM)			
D1003	6-503-775-01	DI CRH02 (T5R, SONY, XM)			
D1004	6-503-775-01	DI CRH02 (T5R, SONY, XM)			
D1005	6-503-775-01	DI CRH02 (T5R, SONY, XM)			
D1006	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1006	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1007	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1007	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1008	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1008	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1009	6-503-719-01	DI 1L0352W32B0MIT01 (GPX8G)			
D1009	6-503-721-01	DI 1L0353Y22G3MKT01 (GPX5G/GPX7G)			
D1010	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1010	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1011	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1011	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1012	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1012	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1013	6-503-719-01	DI 1L0352W32B0MIT01 (GPX8G)			
D1013	6-503-721-01	DI 1L0353Y22G3MKT01 (GPX5G/GPX7G)			
D1014	6-503-719-01	DI 1L0352W32B0MIT01 (GPX8G)			
D1014	6-503-721-01	DI 1L0353Y22G3MKT01 (GPX5G/GPX7G)			
D1015	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1015	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1016	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1016	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1017	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1017	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1018	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1018	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1019	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1019	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1020	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1020	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1021	6-503-719-01	DI 1L0352W32B0MIT01 (GPX8G)			
D1021	6-503-721-01	DI 1L0353Y22G3MKT01 (GPX5G/GPX7G)			
D1022	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1022	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1023	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1023	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1024	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1024	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1026	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1026	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1027	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1027	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			

Ref. No.	Part No.	Description	Remark
D1048	6-500-335-01	DIODE MC2838-T112-1	
D1049	6-500-335-01	DIODE MC2838-T112-1	
D1050	6-500-335-01	DIODE MC2838-T112-1	
D1051	6-500-335-01	DIODE MC2838-T112-1	
D1052	6-500-335-01	DIODE MC2838-T112-1	
D1053	6-500-335-01	DIODE MC2838-T112-1	
D1054	6-500-335-01	DIODE MC2838-T112-1	
D1055	6-500-335-01	DIODE MC2838-T112-1	
D1056	6-500-335-01	DIODE MC2838-T112-1	
D1057	6-500-335-01	DIODE MC2838-T112-1	
		< FLUORESCENT INDICATOR TUBE >	
FL1001	1-483-424-11	VACUUM FLUORESCENT DISPLAY	
		< IC >	
IC1001	6-717-584-01	IC PT6324-LQ	
IC1002	6-713-768-01	IC R8A66166SP	
IC1003	6-600-768-01	IC PNA4823M03S0	
		< JUMPER RESISTOR >	
JR1000	1-216-296-11	SHORT CHIP 0	
JR1001	1-216-296-11	SHORT CHIP 0	
JR1002	1-216-864-11	SHORT CHIP 0	
JR1003	1-216-296-11	SHORT CHIP 0	
JR1004	1-216-296-11	SHORT CHIP 0	
JR1005	1-216-296-11	SHORT CHIP 0	
JR1006	1-216-296-11	SHORT CHIP 0	
JR1007	1-216-296-11	SHORT CHIP 0	
JR1008	1-216-296-11	SHORT CHIP 0	
JR1009	1-216-296-11	SHORT CHIP 0	
JR1010	1-216-864-11	SHORT CHIP 0	
JR1011	1-216-296-11	SHORT CHIP 0	
JR1012	1-216-296-11	SHORT CHIP 0	
JR1013	1-216-296-11	SHORT CHIP 0	
JR1014	1-216-296-11	SHORT CHIP 0	
JR1015	1-216-296-11	SHORT CHIP 0	
JR1016	1-216-296-11	SHORT CHIP 0	
JR1017	1-216-864-11	SHORT CHIP 0	
JR1018	1-216-864-11	SHORT CHIP 0	
JR1019	1-216-864-11	SHORT CHIP 0	
JR1020	1-216-296-11	SHORT CHIP 0	
JR1021	1-216-296-11	SHORT CHIP 0	
JR1023	1-216-296-11	SHORT CHIP 0	
JR1024	1-216-296-11	SHORT CHIP 0	
JR1025	1-216-296-11	SHORT CHIP 0	
JR1026	1-216-296-11	SHORT CHIP 0	
JR1027	1-216-296-11	SHORT CHIP 0	
JR1028	1-216-296-11	SHORT CHIP 0	
JR1029	1-216-296-11	SHORT CHIP 0	
JR1031	1-216-296-11	SHORT CHIP 0	
JR1032	1-216-296-11	SHORT CHIP 0	
JR1033	1-216-296-11	SHORT CHIP 0	
JR1036	1-216-296-11	SHORT CHIP 0	
JR1038	1-216-296-11	SHORT CHIP 0	
JR1040	1-216-296-11	SHORT CHIP 0	
JR1047	1-216-296-11	SHORT CHIP 0	
JR1048	1-216-296-11	SHORT CHIP 0	
JR1049	1-216-296-11	SHORT CHIP 0	
JR1051	1-216-296-11	SHORT CHIP 0	
JR1052	1-216-296-11	SHORT CHIP 0	

DISPLAY **DMB22**

Ref. No.	Part No.	Description			Remark
JR1055	1-216-296-11	SHORT CHIP	0		
JR1056	1-216-296-11	SHORT CHIP	0		
JR1058	1-216-296-11	SHORT CHIP	0		
JR1059	1-216-864-11	SHORT CHIP	0		
JR1060	1-216-296-11	SHORT CHIP	0		
JR1061	1-216-296-11	SHORT CHIP	0		
JR1062	1-216-296-11	SHORT CHIP	0		
JR1063	1-216-296-11	SHORT CHIP	0		
JR1064	1-216-296-11	SHORT CHIP	0		
JR1065	1-216-296-11	SHORT CHIP	0		
JR1066	1-216-296-11	SHORT CHIP	0		
JR1073	1-216-296-11	SHORT CHIP	0		
JR1081	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L1001	1-412-541-21	INDUCTOR	220uH		
		< TRANSISTOR >			
Q1001	6-551-272-01	TRANSISTOR	RT3CLLM		
Q1004	6-553-083-01	TR PBSS4160T			
Q1005	6-553-083-01	TR PBSS4160T			
Q1006	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q1007	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q1008	6-552-221-01	TR 2SA2188-T112-1F			
Q1009	6-552-221-01	TR 2SA2188-T112-1F			
		< RESISTOR >			
R1001	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1002	1-216-809-11	METAL CHIP	100	5%	1/10W
R1003	1-216-809-11	METAL CHIP	100	5%	1/10W
R1004	1-216-809-11	METAL CHIP	100	5%	1/10W
R1005	1-216-296-11	SHORT CHIP	0		
R1008	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1009	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1010	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1011	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1015	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1016	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1017	1-257-172-91	METAL CHIP	100	5%	1/3W
R1018	1-257-172-91	METAL CHIP	100	5%	1/3W
R1019	1-216-150-91	METAL CHIP	10	5%	1/8W
R1021	1-216-864-11	SHORT CHIP	0		
R1022	1-216-819-11	METAL CHIP	680	5%	1/10W
R1023	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1024	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1025	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1026	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1027	1-216-819-11	METAL CHIP	680	5%	1/10W
R1028	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1029	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1030	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1031	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1032	1-216-801-11	METAL CHIP	22	5%	1/10W
R1033	1-216-809-11	METAL CHIP	100	5%	1/10W
R1034	1-216-809-11	METAL CHIP	100	5%	1/10W
R1035	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1036	1-216-809-11	METAL CHIP	100	5%	1/10W
R1037	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1038	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1040	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1042	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1043	1-216-817-11	METAL CHIP	470	5%	1/10W
R1044	1-216-817-11	METAL CHIP	470	5%	1/10W
R1045	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1046	1-257-173-91	METAL CHIP	560	5%	1/3W
R1047	1-257-173-91	METAL CHIP	560	5%	1/3W
R1048	1-257-173-91	METAL CHIP	560	5%	1/3W
R1049	1-257-173-91	METAL CHIP	560	5%	1/3W
R1050	1-257-173-91	METAL CHIP	560	5%	1/3W
R1051	1-257-173-91	METAL CHIP	560	5%	1/3W
R1052	1-257-173-91	METAL CHIP	560	5%	1/3W
R1053	1-257-173-91	METAL CHIP	560	5%	1/3W
R1054	1-257-173-91	METAL CHIP	560	5%	1/3W
R1055	1-257-173-91	METAL CHIP	560	5%	1/3W
R1056	1-257-173-91	METAL CHIP	560	5%	1/3W
R1058	1-257-173-91	METAL CHIP	560	5%	1/3W
R1059	1-257-173-91	METAL CHIP	560	5%	1/3W
R1060	1-257-173-91	METAL CHIP	560	5%	1/3W
R1061	1-216-817-11	METAL CHIP	470	5%	1/10W (GPX5G/GPX7G)
R1061	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1062	1-216-817-11	METAL CHIP	470	5%	1/10W (GPX5G/GPX7G)
R1062	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1063	1-216-817-11	METAL CHIP	470	5%	1/10W (GPX5G/GPX7G)
R1063	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1064	1-216-817-11	METAL CHIP	470	5%	1/10W (GPX5G/GPX7G)
R1064	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1066	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< SWITCH >			
S1001	1-771-410-21	SWITCH, TACTILE (I/⏻ STANDBY)			
S1002	1-771-410-21	SWITCH, TACTILE (CD/DISC SKIP)			
S1003	1-771-410-21	SWITCH, TACTILE (▶II)			
S1004	1-771-410-21	SWITCH, TACTILE (EX-CHANGE)			
S1005	1-771-410-21	SWITCH, TACTILE (USB/USB SELECT)			
S1006	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)			
S1007	1-771-410-21	SWITCH, TACTILE (⏏ OPEN/CLOSE)			
S1008	1-771-410-21	SWITCH, TACTILE (■)			
S1009	1-771-410-21	SWITCH, TACTILE (LED EFFECT)			
S1010	1-771-410-21	SWITCH, TACTILE (AUDIO IN)			
		< TRANSFORMER >			
T1001	1-697-144-11	DC-DC CONVERTER TRANSFORMER			
**********					
	A-1856-773-A	DMB22 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C501	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C503	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C504	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C505	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C506	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C507	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C508	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C510	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C515	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C516	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C517	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C518	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C519	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C521	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C522	1-128-994-21	ELECT CHIP	47uF	20%	10V
C524	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C525	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C526	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C527	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C528	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C529	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C530	1-112-068-11	CERAMIC CHIP	220PF	10%	50V
C531	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C532	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C571	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C591	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C593	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C594	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C595	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C596	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C597	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C598	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C599	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C601	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C604	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C605	1-112-776-11	CERAMIC CHIP	0.0047uF	10%	50V
C606	1-128-994-21	ELECT CHIP	47uF	20%	10V
C607	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C608	1-128-994-21	ELECT CHIP	47uF	20%	10V
C609	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C651	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C652	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C653	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C655	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C656	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C657	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C703	1-165-492-21	ELECT CHIP	100uF	20%	10V
C704	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C707	1-165-492-21	ELECT CHIP	100uF	20%	10V
C708	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C709	1-165-492-21	ELECT CHIP	100uF	20%	10V
C710	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C711	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C712	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C713	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C721	1-124-779-00	ELECT CHIP	10uF	20%	16V
C722	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C723	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C725	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C727	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C728	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C741	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C761	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C762	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C763	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C764	1-124-779-00	ELECT CHIP	10uF	20%	16V
C765	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C766	1-124-779-00	ELECT CHIP	10uF	20%	16V
C767	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C768	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C769	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C770	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C771	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C772	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C773	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C774	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C775	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C776	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C777	1-124-779-00	ELECT CHIP	10uF	20%	16V
C778	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C779	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C801	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C802	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C812	1-117-681-11	ELECT CHIP	100uF	20%	16V
C813	1-124-779-00	ELECT CHIP	10uF	20%	16V
C814	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C815	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C816	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C819	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-112-777-11	CERAMIC CHIP	0.01uF	10%	25V
C821	1-124-779-00	ELECT CHIP	10uF	20%	16V
C822	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C823	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C825	1-100-916-11	CERAMIC CHIP	0.1uF	10%	16V
C827	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C829	1-100-752-81	CERAMIC CHIP	0.0012uF	5%	50V
C830	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C831	1-137-987-81	CERAMIC CHIP	0.068uF	10%	10V
C832	1-114-808-11	CERAMIC CHIP	0.033uF	10%	16V
		< CONNECTOR >			
CN501	1-815-763-32	CONNECTOR, FFC/FPC 24P			
CN503	1-794-236-51	CONNECTOR, FFC/FPC 15P			
CN507	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN801	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P			
		< DIODE >			
D701	6-500-848-01	DIODE MC2840-T112-1			
D702	6-500-848-01	DIODE MC2840-T112-1			
D703	6-500-848-01	DIODE MC2840-T112-1			
D704	6-500-848-01	DIODE MC2840-T112-1			
D721	6-500-848-01	DIODE MC2840-T112-1			
		< EARTH TERMINAL >			
* ET701	1-780-408-11	TERMINAL, LUG			
* ET702	1-780-408-11	TERMINAL, LUG			
* ET703	1-780-408-11	TERMINAL, LUG			
* ET704	1-780-408-11	TERMINAL, LUG			
		< FERRITE BEAD >			
FB534	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB591	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB593	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB653	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB702	1-481-348-21	EMI FERRITE (SMD) (1608)			

DMB22

Ref. No.	Part No.	Description			Remark
FB704	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB705	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB707	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB708	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB710	1-481-348-21	EMI FERRITE (SMD) (1608)			
FB721	1-469-092-11	FERRITE, EMI (SMD) (1608)			
FB722	1-469-092-11	FERRITE, EMI (SMD) (1608)			
FB792	1-469-092-11	FERRITE, EMI (SMD) (1608)			
FB793	1-469-092-11	FERRITE, EMI (SMD) (1608)			
		< FLUORESCENT INDICATOR TUBE >			
FL592	1-234-494-21	FILTER, EMI REMOVAL (SMD)			
		< IC >			
IC501	6-718-440-01	IC CXD90013R			
IC502	(Not supplied)	IC W25Q16CVSSIG-R			
IC504	6-718-430-01	IC EM638165 TSB-6G			
IC651	6-712-033-01	IC MM1701CHBE			
IC652	6-702-302-01	IC TK11133CSCL-G			
IC721	6-710-554-01	IC PCM1808PWR			
IC741	8-759-524-09	IC TC74VHC153FT (EL)			
IC761	6-707-800-01	IC SRC4182			
IC762	6-716-697-01	IC TAS3108DCPR			
IC763	6-705-973-01	IC PCM1754DBQR			
IC801	6-714-663-01	IC BD8203EFV-E2			
		< TRANSISTOR >			
Q603	8-729-029-06	TRANSISTOR DTC124EUA-T106			
Q604	6-552-279-01	TR RT3K66M-T111-1			
Q605	6-551-120-01	TRANSISTOR 2SA2119K			
Q606	6-551-120-01	TRANSISTOR 2SA2119K			
		< RESISTOR >			
R501	1-216-798-11	METAL CHIP	12	5%	1/10W
R502	1-216-864-11	SHORT CHIP	0		
R503	1-218-977-11	METAL CHIP	100K	5%	1/16W
R504	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R505	1-218-967-11	METAL CHIP	15K	5%	1/16W
R506	1-218-990-81	SHORT CHIP	0		
R508	1-218-990-81	SHORT CHIP	0		
R510	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W
R511	1-218-990-81	SHORT CHIP	0		
R512	1-218-990-81	SHORT CHIP	0		
R515	1-218-990-81	SHORT CHIP	0		
R516	1-216-864-11	SHORT CHIP	0		
R517	1-216-864-11	SHORT CHIP	0		
R518	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R519	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R520	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R521	1-216-864-11	SHORT CHIP	0		
R522	1-216-864-11	SHORT CHIP	0		
R523	1-218-941-81	METAL CHIP	100	5%	1/16W
R525	1-216-864-11	SHORT CHIP	0		
R526	1-216-864-11	SHORT CHIP	0		
R527	1-216-864-11	SHORT CHIP	0		
R528	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R529	1-218-965-11	METAL CHIP	10K	5%	1/16W
R535	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R536	1-216-801-11	METAL CHIP	22	5%	1/10W
R541	1-218-941-81	METAL CHIP	100	5%	1/16W
R542	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R551	1-216-801-11	METAL CHIP	22	5%	1/10W
R552	1-218-933-11	METAL CHIP	22	5%	1/16W
R553	1-218-941-81	METAL CHIP	100	5%	1/16W
R554	1-218-941-81	METAL CHIP	100	5%	1/16W
R555	1-216-864-11	SHORT CHIP	0		
R556	1-218-941-81	METAL CHIP	100	5%	1/16W
R557	1-218-990-81	SHORT CHIP	0		
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R559	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R571	1-216-864-11	SHORT CHIP	0		
R572	1-218-990-81	SHORT CHIP	0		
R594	1-218-965-11	METAL CHIP	10K	5%	1/16W
R595	1-218-965-11	METAL CHIP	10K	5%	1/16W
R603	1-218-973-11	METAL CHIP	47K	5%	1/16W
R604	1-218-953-11	METAL CHIP	1K	5%	1/16W
R605	1-218-989-11	METAL CHIP	1M	5%	1/16W
R606	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-218-941-81	METAL CHIP	100	5%	1/16W
R608	1-218-973-11	METAL CHIP	47K	5%	1/16W
R609	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R610	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R611	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R612	1-218-977-11	METAL CHIP	100K	5%	1/16W
R613	1-218-941-81	METAL CHIP	100	5%	1/16W
R614	1-218-973-11	METAL CHIP	47K	5%	1/16W
R615	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R616	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R617	1-211-973-11	METAL CHIP	15	0.5%	1/10W
R618	1-218-977-11	METAL CHIP	100K	5%	1/16W
R619	1-218-965-11	METAL CHIP	10K	5%	1/16W
R621	1-218-941-81	METAL CHIP	100	5%	1/16W
R622	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R623	1-218-990-81	SHORT CHIP	0		
R624	1-218-977-11	METAL CHIP	100K	5%	1/16W
R651	1-218-953-11	METAL CHIP	1K	5%	1/16W
R652	1-216-864-11	SHORT CHIP	0		
R654	1-216-864-11	SHORT CHIP	0		
R701	1-216-864-11	SHORT CHIP	0		
R703	1-481-348-21	EMI FERRITE (SMD) (1608)			
R706	1-481-348-21	EMI FERRITE (SMD) (1608)			
R709	1-481-348-21	EMI FERRITE (SMD) (1608)			
R717	1-218-941-81	METAL CHIP	100	5%	1/16W
R718	1-218-933-11	METAL CHIP	22	5%	1/16W
R719	1-216-295-91	SHORT CHIP	0		
R724	1-218-990-81	SHORT CHIP	0		
R725	1-218-990-81	SHORT CHIP	0		
R727	1-218-990-81	SHORT CHIP	0		
R729	1-218-941-81	METAL CHIP	100	5%	1/16W
R730	1-218-937-11	METAL CHIP	47	5%	1/16W
R742	1-218-990-81	SHORT CHIP	0		
R743	1-218-990-81	SHORT CHIP	0		
R744	1-218-990-81	SHORT CHIP	0		
R745	1-218-941-81	METAL CHIP	100	5%	1/16W
R746	1-218-941-81	METAL CHIP	100	5%	1/16W
R747	1-218-965-11	METAL CHIP	10K	5%	1/16W
R749	1-218-941-81	METAL CHIP	100	5%	1/16W
R751	1-218-937-11	METAL CHIP	47	5%	1/16W

Note: IC502 on the DMB22 board cannot exchange with single. When these parts on the DMB22 board are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
R752	1-218-990-81	SHORT CHIP	0		
R754	1-218-937-11	METAL CHIP	47	5%	1/16W
R755	1-218-990-81	SHORT CHIP	0		
R758	1-218-937-11	METAL CHIP	47	5%	1/16W
R759	1-218-937-11	METAL CHIP	47	5%	1/16W
R760	1-218-937-11	METAL CHIP	47	5%	1/16W
R762	1-218-990-81	SHORT CHIP	0		
R763	1-218-941-81	METAL CHIP	100	5%	1/16W
R764	1-218-941-81	METAL CHIP	100	5%	1/16W
R765	1-218-937-11	METAL CHIP	47	5%	1/16W
R767	1-218-990-81	SHORT CHIP	0		
R769	1-218-941-81	METAL CHIP	100	5%	1/16W
R770	1-218-990-81	SHORT CHIP	0		
R771	1-218-941-81	METAL CHIP	100	5%	1/16W
R772	1-216-864-11	SHORT CHIP	0		
R773	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R774	1-218-990-81	SHORT CHIP	0		
R775	1-218-990-81	SHORT CHIP	0		
R776	1-218-965-11	METAL CHIP	10K	5%	1/16W
R777	1-218-941-81	METAL CHIP	100	5%	1/16W
R778	1-218-941-81	METAL CHIP	100	5%	1/16W
R779	1-218-965-11	METAL CHIP	10K	5%	1/16W
R780	1-218-965-11	METAL CHIP	10K	5%	1/16W
R781	1-218-937-11	METAL CHIP	47	5%	1/16W
R782	1-218-937-11	METAL CHIP	47	5%	1/16W
R783	1-218-937-11	METAL CHIP	47	5%	1/16W
R784	1-218-941-81	METAL CHIP	100	5%	1/16W
R785	1-218-937-11	METAL CHIP	47	5%	1/16W
R786	1-218-937-11	METAL CHIP	47	5%	1/16W
R787	1-218-937-11	METAL CHIP	47	5%	1/16W
R788	1-218-937-11	METAL CHIP	47	5%	1/16W
R789	1-218-937-11	METAL CHIP	47	5%	1/16W
R790	1-218-937-11	METAL CHIP	47	5%	1/16W
R791	1-218-990-81	SHORT CHIP	0		
R794	1-218-937-11	METAL CHIP	47	5%	1/16W
R824	1-218-965-11	METAL CHIP	10K	5%	1/16W
R826	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R827	1-218-965-11	METAL CHIP	10K	5%	1/16W
R828	1-208-713-11	METAL CHIP	18K	0.5%	1/16W
R829	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R830	1-208-933-11	METAL CHIP	82K	0.5%	1/16W
R831	1-218-967-11	METAL CHIP	15K	5%	1/16W
R832	1-216-864-11	SHORT CHIP	0		
R833	1-218-947-11	METAL CHIP	330	5%	1/16W
R836	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R837	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R838	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R839	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R840	1-208-893-11	METAL CHIP	1.8K	0.5%	1/16W
R841	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R842	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R843	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R848	1-218-965-11	METAL CHIP	10K	5%	1/16W
R850	1-218-953-11	METAL CHIP	1K	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB501	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB502	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB503	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB504	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB505	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB506	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB507	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB508	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
RB509	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		
		< VIBRATOR >			
X501	1-814-023-11	QUARTS CRYSTAL UNIT			
X762	1-814-466-11	QUARTZ CRYSTAL UNITS 12.288MHZ			
**********					
	A-1103-756-B	DRIVER BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-21	CERAMIC	0.1uF		50V
C736	1-164-159-21	CERAMIC	0.1uF		50V
C737	1-164-159-21	CERAMIC	0.1uF		50V
C741	1-114-708-41	CERAMIC	0.01uF	10%	50V
C751	1-114-708-41	CERAMIC	0.01uF	10%	50V
C752	1-164-159-21	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN701	1-784-735-11	CONNECTOR, FFC 13P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< DIODE >			
D701	8-719-921-42	DIODE MTZJ-5.1A			
D711	8-719-109-69	DIODE RD3.6ESB2			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	6-553-151-01	TR SRC1202M-AT			
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R736	1-249-412-11	CARBON	390	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W
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MAIN

Ref. No.	Part No.	Description			Remark
	A-1858-135-A	MAIN BOARD, COMPLETE (GPX5G)			
	A-1858-138-A	MAIN BOARD, COMPLETE (GPX8G: E2, E51, MX)			
	A-1858-140-A	MAIN BOARD, COMPLETE (GPX7G)			
	A-1871-121-A	MAIN BOARD, COMPLETE (E4)			
		**********			
		< CAPACITOR >			
C146	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V (GPX7G/GPX8G)
C508	1-114-553-11	CERAMIC CHIP	10uF	10%	16V
C509	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C510	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C511	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C513	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C514	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C516	1-117-681-11	ELECT CHIP	100uF	20%	16V
C519	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C520	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C535	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C536	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C537	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C562	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C574	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C598	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C599	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C601	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V
C603	1-124-779-00	ELECT CHIP	10uF	20%	16V
C604	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C605	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C607	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C640	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C642	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C643	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C653	1-124-779-00	ELECT CHIP	10uF	20%	16V
C654	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C655	1-164-935-11	CERAMIC CHIP	470PF	10%	50V (GPX8G)
C657	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C662	1-117-681-11	ELECT CHIP	100uF	20%	16V
C705	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C707	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C708	1-124-779-00	ELECT CHIP	10uF	20%	16V
C709	1-124-779-00	ELECT CHIP	10uF	20%	16V
C710	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C711	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C712	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C713	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C714	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C715	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C716	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C717	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C718	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C719	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C720	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C721	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C722	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C723	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C724	1-124-779-00	ELECT CHIP	10uF	20%	16V
C725	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V
C726	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C727	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C728	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C729	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C730	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C731	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C732	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C733	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C737	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C738	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C739	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C740	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C741	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C742	1-117-681-11	ELECT CHIP	100uF	20%	16V
C746	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C748	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C749	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C772	1-112-794-11	ELECT CHIP	470uF	20%	16V
C773	1-100-912-11	CERAMIC CHIP	1uF	10%	25V
C774	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C791	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C800	1-117-681-11	ELECT CHIP	100uF	20%	16V
C801	1-117-614-81	CERAMIC CHIP	0.0082uF	10%	16V
C802	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C805	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C806	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C807	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C808	1-117-614-81	CERAMIC CHIP	0.0082uF	10%	16V
C809	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C810	1-124-779-00	ELECT CHIP	10uF	20%	16V
C812	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C813	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C815	1-117-614-81	CERAMIC CHIP	0.0082uF	10%	16V
C816	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C819	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C820	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C821	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C822	1-118-102-11	CAP, ELECT	3300uF	20%	16V
C823	1-117-681-11	ELECT CHIP	100uF	20%	16V
C824	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C825	1-117-681-11	ELECT CHIP	100uF	20%	16V
C826	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C827	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C828	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C829	1-137-765-21	ELECT CHIP	47uF	20%	16V
C830	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C831	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C832	1-117-681-11	ELECT CHIP	100uF	20%	16V
C833	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C834	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C835	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C836	1-124-779-00	ELECT CHIP	10uF	20%	16V (GPX5G/GPX8G)
C836	1-128-996-11	ELECT CHIP	4.7uF	20%	50V (GPX7G)
C837	1-164-878-11	CERAMIC CHIP	150PF	5%	50V
C838	1-164-878-11	CERAMIC CHIP	150PF	5%	50V
C839	1-116-876-11	ELECT CHIP	22uF	20%	50V
C840	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C841	1-116-876-11	ELECT CHIP	22uF	20%	50V
C842	1-116-876-11	ELECT CHIP	22uF	20%	50V
C843	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V

Ref. No.	Part No.	Description			Remark
C844	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C846	1-100-579-81	CERAMIC CHIP	0.0056uF	10%	25V
C847	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C848	1-116-876-11	ELECT CHIP	22uF	20%	50V
C849	1-116-876-11	ELECT CHIP	22uF	20%	50V
C850	1-116-876-11	ELECT CHIP	22uF	20%	50V
C853	1-100-579-81	CERAMIC CHIP	0.0056uF	10%	25V
C854	1-137-765-21	ELECT CHIP	47uF	20%	16V
C855	1-137-765-21	ELECT CHIP	47uF	20%	16V
C856	1-137-765-21	ELECT CHIP	47uF	20%	16V
C857	1-100-579-81	CERAMIC CHIP	0.0056uF	10%	25V
C860	1-124-779-00	ELECT CHIP	10uF	20%	16V
					(GPX8G)
C900	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C901	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C903	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C904	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C906	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C908	1-131-664-91	CERAMIC CHIP	0.15uF	10%	10V
					(GPX8G)
C911	1-118-294-91	CAP, CHIP CERAMIC	0.12uF	10%	25V
					(GPX8G)
C912	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C913	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
					(GPX8G)
C917	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
					(GPX8G)
C919	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
					(GPX8G)
C921	1-124-779-00	ELECT CHIP	10uF	20%	16V
					(GPX8G)
C926	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C927	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C929	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C932	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
					(GPX5G)
C932	1-116-769-91	CERAMIC CHIP	0.056uF	10%	25V
					(GPX8G)
C932	1-137-652-91	CERAMIC CHIP	0.039uF	10%	16V
					(GPX7G)
C933	1-113-619-11	CERAMIC CHIP	0.47uF		10V
					(GPX5G/GPX7G)
C933	1-118-293-91	CAP, CHIP CERAMIC	0.27uF	10%	16V
					(GPX8G)
C935	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C936	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C938	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C939	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C943	1-116-769-91	CERAMIC CHIP	0.056uF	10%	25V
					(GPX7G/GPX8G)
C944	1-117-949-81	CERAMIC CHIP	820PF	10%	50V
C945	1-124-779-00	ELECT CHIP	10uF	20%	16V
C947	1-124-779-00	ELECT CHIP	10uF	20%	16V
C948	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C949	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C950	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C951	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C953	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C954	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C956	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C958	1-118-295-91	CAP, CHIP CERAMIC		0.56MF	B1608
					(GPX7G)

Ref. No.	Part No.	Description			Remark
C958	1-131-664-91	CERAMIC CHIP	0.15uF	10%	10V
					(GPX5G/GPX8G)
C961	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
					(GPX5G)
C961	1-116-769-91	CERAMIC CHIP	0.056uF	10%	25V
					(GPX7G)
C961	1-118-294-91	CAP, CHIP CERAMIC	0.12uF	10%	25V
					(GPX8G)
C962	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C963	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C966	1-124-779-00	ELECT CHIP	10uF	20%	16V
C967	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C969	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C972	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C973	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C974	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C976	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C977	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C978	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C979	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C981	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C982	1-104-509-11	CERAMIC CHIP	0.018uF	10%	16V
					(GPX5G)
C982	1-116-769-91	CERAMIC CHIP	0.056uF	10%	25V
					(GPX8G)
C982	1-137-652-91	CERAMIC CHIP	0.039uF	10%	16V
					(GPX7G)
C983	1-113-619-11	CERAMIC CHIP	0.47uF		10V
					(GPX7G)
C983	1-118-293-91	CAP, CHIP CERAMIC	0.27uF	10%	16V
					(GPX8G)
C983	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
					(GPX5G)
C985	1-127-804-91	CERAMIC CHIP	100PF	1%	50V
C986	1-112-692-11	CERAMIC CHIP	1000PF	5%	50V
C988	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C989	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C993	1-116-769-91	CERAMIC CHIP	0.056uF	10%	25V
					(GPX7G/GPX8G)
C994	1-117-949-81	CERAMIC CHIP	820PF	10%	50V
C995	1-124-779-00	ELECT CHIP	10uF	20%	16V
C997	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C999	1-112-793-11	ELECT CHIP	330uF	20%	16V
C1000	1-164-880-11	CERAMIC CHIP	180PF	5%	50V
C1001	1-164-880-11	CERAMIC CHIP	180PF	5%	50V
C1002	1-164-880-11	CERAMIC CHIP	180PF	5%	50V
C1003	1-112-806-11	ELECT CHIP	47uF	20%	50V
C1004	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1005	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1006	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1007	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1008	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1009	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C1010	1-114-339-91	CERAMIC CHIP	3300PF	5%	50V
C1012	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1022	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1023	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1024	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1025	1-100-831-91	CERAMIC CHIP	0.001uF	2%	50V
C1026	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1027	1-100-591-91	CERAMIC CHIP	1uF	10%	25V

MAIN

Ref. No.	Part No.	Description	Remark
C1028	1-100-591-91	CERAMIC CHIP 1uF 10% 25V	
C1029	1-100-591-91	CERAMIC CHIP 1uF 10% 25V	
C1030	1-100-591-91	CERAMIC CHIP 1uF 10% 25V	
C1031	1-100-591-91	CERAMIC CHIP 1uF 10% 25V	
C1032	1-100-831-91	CERAMIC CHIP 0.001uF 2% 50V	
		< CONNECTOR >	
CN513	1-820-112-51	CONNECTOR, FFC/FPC 9P	
CN600	1-820-112-51	CONNECTOR, FFC/FPC 9P	
CN601	1-843-189-21	CONNECTOR, FLEXIBLE 17P	
CN700	1-784-023-51	CONNECTOR, FLEXIBLE 13P	
CN702	1-820-117-51	CONNECTOR, FFC/FPC 19P	
CN703	1-820-115-51	CONNECTOR, FFC/FPC 15P	
CN705	1-770-468-21	PIN, CONNECTOR (PC BOARD) 10P	
CN707	1-764-250-21	PIN, CONNECTOR (PC BOARD) 4P	(GPX7G/GPX8G)
* CN800	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P (LED SPEAKER L:GPX7G/ LED SPEAKER FRONT L: GPX8G)	
* CN801	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P (LED SPEAKER FRONT R:GPX8G)	
* CN802	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P (LED SPEAKER FRONT L:GPX7G/ LED SPEAKER SUBWOOFER L :GPX8G)	
* CN803	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P (LED SPEAKER SUBWOOFER R: GPX8G)	
		< DIODE >	
D507	6-500-334-01	DIODE MC2836-T112-1	
D508	6-502-961-01	DI DA2J10100L	
D509	6-502-961-01	DI DA2J10100L	
D600	6-502-961-01	DI DA2J10100L	
D601	6-500-848-01	DIODE MC2840-T112-1	
D602	6-502-961-01	DI DA2J10100L	
D603	6-500-848-01	DIODE MC2840-T112-1	
D604	6-501-817-01	DIODE MA2J1110GLS0	
D704	6-500-848-01	DIODE MC2840-T112-1	
		< EARTH TERMINAL >	
* ET700	1-780-408-11	TERMINAL, LUG	
* ET800	1-780-408-11	TERMINAL, LUG	
		< FERRITE BEAD >	
FB700	1-216-864-11	SHORT CHIP 0	
FB701	1-414-445-11	FERRITE, EMI (SMD) (1608)	
FB702	1-414-445-11	FERRITE, EMI (SMD) (1608)	
FB703	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB704	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB705	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB706	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB707	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB708	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB709	1-469-092-11	FERRITE, EMI (SMD) (1608)	
FB710	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB711	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB712	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB713	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB714	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB715	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB716	1-469-670-21	FERRITE, EMI (SMD) (2012)	

Ref. No.	Part No.	Description	Remark
		< IC >	
IC500	A-1875-963-A	IC R5F3650KBDFA (for SERVICE)	
IC508	6-704-191-01	IC S-80829CNNB-B8OT2G	
IC700	6-718-788-01	IC USB2512B-AEZG-CU	
IC701	6-716-739-01	IC BD00GC0WEFJ-SE2	
IC702	6-718-580-01	IC BA2903FV-E2	
IC800	6-717-880-01	IC BD9328EFJ-E2	
IC801	6-717-880-01	IC BD9328EFJ-E2	
IC802	6-716-554-11	IC BD9329AEFJ-E2	
IC803	6-715-078-01	IC KIA7809AF/API	
IC804	6-703-639-01	IC TK11140CSCL-G	
IC806	6-712-027-01	IC R2A15216FP	
IC900	8-759-909-71	IC BA4558F (GPX8G)	
IC901	8-759-909-71	IC BA4558F	
IC950	8-759-909-71	IC BA4558F	
		< JACK >	
J500	1-843-188-11	JACK, PIN 6P	
		< JUMPER RESISTOR >	
JR001	1-216-296-11	SHORT CHIP 0	
JR002	1-216-296-11	SHORT CHIP 0	
JR003	1-216-296-11	SHORT CHIP 0	
JR004	1-216-296-11	SHORT CHIP 0	
JR005	1-216-296-11	SHORT CHIP 0	
		< COIL >	
L700	1-414-406-11	INDUCTOR 220uH	
L701	1-216-295-91	SHORT CHIP 0	
L800	1-481-903-11	INDUCTOR 33uH	
L801	1-481-903-11	INDUCTOR 33uH	
L802	1-481-903-11	INDUCTOR 33uH	
L804	1-481-903-11	INDUCTOR 33uH	
L806	1-481-903-11	INDUCTOR 33uH	
		< TRANSISTOR >	
Q506	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q507	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q701	6-550-363-01	TRANSISTOR 2SB1690KT146	
Q702	6-550-363-01	TRANSISTOR 2SB1690KT146	
Q703	6-551-551-01	TRANSISTOR RT3N77M-TP-1	
Q704	6-552-681-01	TR RT3NDDM-T111-1 (GPX7G/GPX8G)	
Q707	6-552-681-01	TR RT3NDDM-T111-1 (GPX7G/GPX8G)	
Q709	6-552-681-01	TR RT3NDDM-T111-1 (GPX7G/GPX8G)	
Q715	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q716	6-551-728-01	TRANSISTOR 2SB1710TL	
Q802	6-551-691-01	TRANSISTOR RT3P11M-TP-1	
Q806	6-550-363-01	TRANSISTOR 2SB1690KT146	
Q807	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q900	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q902	6-551-272-01	TRANSISTOR RT3CLLM	
Q950	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q954	6-552-867-01	TR RT3CXXM-T111	
		< RESISTOR >	
R504	1-218-941-81	METAL CHIP 100 5% 1/16W	
R505	1-218-953-11	METAL CHIP 1K 5% 1/16W	
R506	1-218-953-11	METAL CHIP 1K 5% 1/16W	
R507	1-218-953-11	METAL CHIP 1K 5% 1/16W	
R510	1-245-604-11	METAL CHIP 10M 5% 1/16W	

Ref. No.	Part No.	Description			Remark
R511	1-218-981-91	METAL CHIP	220K	5%	1/16W
R513	1-218-989-11	METAL CHIP	1M	5%	1/16W
R515	1-218-990-81	SHORT CHIP	0		
R519	1-218-973-11	METAL CHIP	47K	5%	1/16W
R526	1-218-953-11	METAL CHIP	1K	5%	1/16W
R527	1-218-941-81	METAL CHIP	100	5%	1/16W
R528	1-218-941-81	METAL CHIP	100	5%	1/16W
R529	1-218-953-11	METAL CHIP	1K	5%	1/16W
R531	1-218-941-81	METAL CHIP	100	5%	1/16W
R535	1-218-941-81	METAL CHIP	100	5%	1/16W
R536	1-218-941-81	METAL CHIP	100	5%	1/16W
R537	1-218-941-81	METAL CHIP	100	5%	1/16W
R541	1-218-965-11	METAL CHIP	10K	5%	1/16W
R546	1-218-965-11	METAL CHIP	10K	5%	1/16W
R547	1-218-941-81	METAL CHIP	100	5%	1/16W
R548	1-218-941-81	METAL CHIP	100	5%	1/16W
R552	1-218-941-81	METAL CHIP	100	5%	1/16W
R563	1-218-941-81	METAL CHIP	100	5%	1/16W
R565	1-218-941-81	METAL CHIP	100	5%	1/16W
R566	1-218-941-81	METAL CHIP	100	5%	1/16W
R567	1-218-949-11	METAL CHIP	470	5%	1/16W
R568	1-218-941-81	METAL CHIP	100	5%	1/16W
R569	1-218-941-81	METAL CHIP	100	5%	1/16W
R570	1-216-839-11	METAL CHIP	33K	5%	1/10W
R571	1-216-841-11	METAL CHIP	47K	5%	1/10W
R572	1-216-809-11	METAL CHIP	100	5%	1/10W
R575	1-218-941-81	METAL CHIP	100	5%	1/16W
R576	1-218-941-81	METAL CHIP	100	5%	1/16W
R577	1-218-941-81	METAL CHIP	100	5%	1/16W
R578	1-218-941-81	METAL CHIP	100	5%	1/16W
R579	1-218-941-81	METAL CHIP	100	5%	1/16W
R593	1-218-967-11	METAL CHIP	15K	5%	1/16W (E4)
R593	1-218-971-11	METAL CHIP	33K	5%	1/16W (GPX8G: E2, E51, MX)
R593	1-218-973-11	METAL CHIP	47K	5%	1/16W (GPX7G)
R594	1-218-949-11	METAL CHIP	470	5%	1/16W
R595	1-218-941-81	METAL CHIP	100	5%	1/16W
R596	1-218-941-81	METAL CHIP	100	5%	1/16W
R601	1-218-971-11	METAL CHIP	33K	5%	1/16W
R602	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R603	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R604	1-218-965-11	METAL CHIP	10K	5%	1/16W (GPX7G/GPX8G)
R605	1-218-967-11	METAL CHIP	15K	5%	1/16W
R606	1-218-941-81	METAL CHIP	100	5%	1/16W
R607	1-218-941-81	METAL CHIP	100	5%	1/16W
R609	1-218-979-11	METAL CHIP	150K	5%	1/16W
R634	1-218-973-11	METAL CHIP	47K	5%	1/16W
R643	1-218-953-11	METAL CHIP	1K	5%	1/16W
R644	1-218-953-11	METAL CHIP	1K	5%	1/16W
R645	1-218-965-11	METAL CHIP	10K	5%	1/16W
R647	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R648	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R667	1-218-967-11	METAL CHIP	15K	5%	1/16W
R668	1-218-965-11	METAL CHIP	10K	5%	1/16W
R670	1-218-965-11	METAL CHIP	10K	5%	1/16W
R673	1-218-965-11	METAL CHIP	10K	5%	1/16W
R674	1-218-965-11	METAL CHIP	10K	5%	1/16W
R677	1-218-955-11	METAL CHIP	1.5K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R679	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R684	1-218-965-11	METAL CHIP	10K	5%	1/16W
R685	1-218-965-11	METAL CHIP	10K	5%	1/16W
R695	1-218-965-11	METAL CHIP	10K	5%	1/16W
R696	1-218-953-11	METAL CHIP	1K	5%	1/16W
R700	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R701	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R702	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R703	1-218-941-81	METAL CHIP	100	5%	1/16W
R704	1-218-965-11	METAL CHIP	10K	5%	1/16W
R705	1-218-965-11	METAL CHIP	10K	5%	1/16W
R706	1-218-949-11	METAL CHIP	470	5%	1/16W
R707	1-216-821-11	METAL CHIP	1K	5%	1/10W
R708	1-218-941-81	METAL CHIP	100	5%	1/16W
R710	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R711	1-218-989-11	METAL CHIP	1M	5%	1/16W
R712	1-218-977-11	METAL CHIP	100K	5%	1/16W
R713	1-218-977-11	METAL CHIP	100K	5%	1/16W
R717	1-218-941-81	METAL CHIP	100	5%	1/16W
R718	1-218-941-81	METAL CHIP	100	5%	1/16W
R719	1-218-977-11	METAL CHIP	100K	5%	1/16W
R720	1-218-977-11	METAL CHIP	100K	5%	1/16W
R721	1-218-977-11	METAL CHIP	100K	5%	1/16W
R722	1-218-969-11	METAL CHIP	22K	5%	1/16W
R723	1-218-969-11	METAL CHIP	22K	5%	1/16W
R724	1-218-947-11	METAL CHIP	330	5%	1/16W
R725	1-218-947-11	METAL CHIP	330	5%	1/16W
R726	1-248-311-11	RES-CHIP	0.1	1%	1/4W
R727	1-248-311-11	RES-CHIP	0.1	1%	1/4W
R751	1-218-977-11	METAL CHIP	100K	5%	1/16W
R752	1-218-977-11	METAL CHIP	100K	5%	1/16W
R757	1-216-864-11	SHORT CHIP	0 (GPX8G)		
R758	1-218-990-81	SHORT CHIP	0		
R760	1-218-965-11	METAL CHIP	10K	5%	1/16W
R762	1-218-933-11	METAL CHIP	22	5%	1/16W
R763	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R764	1-218-972-11	METAL CHIP	39K	5%	1/16W (GPX5G/GPX8G)
R764	1-220-203-11	METAL CHIP	51K	5%	1/16W (GPX7G)
R765	1-218-933-11	METAL CHIP	22	5%	1/16W
R766	1-218-933-11	METAL CHIP	22	5%	1/16W
R767	1-216-864-11	SHORT CHIP	0 (GPX8G)		
R768	1-218-965-11	METAL CHIP	10K	5%	1/16W
R769	1-218-990-81	SHORT CHIP	0		
R773	1-216-864-11	SHORT CHIP	0 (GPX7G/GPX8G)		
R776	1-216-864-11	SHORT CHIP	0 (GPX7G/GPX8G)		
R781	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R782	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R783	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R784	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R785	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R786	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R788	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R789	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)

MAIN

Ref. No.	Part No.	Description			Remark
R790	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R791	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R792	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R793	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R794	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R795	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R796	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R800	1-218-965-11	METAL CHIP	10K	5%	1/16W
R801	1-216-838-11	METAL CHIP	27K	5%	1/10W
R802	1-218-989-11	METAL CHIP	1M	5%	1/16W
R804	1-218-985-11	METAL CHIP	470K	5%	1/16W
R805	1-218-953-11	METAL CHIP	1K	5%	1/16W
R806	1-218-953-11	METAL CHIP	1K	5%	1/16W
R809	1-218-965-11	METAL CHIP	10K	5%	1/16W
R810	1-216-841-11	METAL CHIP	47K	5%	1/10W
R811	1-218-985-11	METAL CHIP	470K	5%	1/16W
R812	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R813	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R814	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R815	1-216-841-11	METAL CHIP	47K	5%	1/10W
R819	1-218-929-11	METAL CHIP	10	5%	1/16W
R820	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R821	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R824	1-218-990-81	SHORT CHIP	0 (GPX8G)		
R825	1-218-990-81	SHORT CHIP	0 (GPX5G/GPX7G)		
R826	1-218-941-81	METAL CHIP	100	5%	1/16W
R827	1-218-929-11	METAL CHIP	10	5%	1/16W
R828	1-218-929-11	METAL CHIP	10	5%	1/16W
R844	1-218-967-11	METAL CHIP	15K	5%	1/16W (GPX7G)
R844	1-218-973-11	METAL CHIP	47K	5%	1/16W (GPX8G)
R844	1-218-990-81	SHORT CHIP	0 (GPX5G)		
R845	1-218-966-11	METAL CHIP	12K	5%	1/16W
R846	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R847	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R848	1-218-990-81	SHORT CHIP	0		
R849	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W
R850	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R851	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R852	1-218-990-81	SHORT CHIP	0		
R853	1-218-969-11	METAL CHIP	22K	5%	1/16W
R854	1-218-965-11	METAL CHIP	10K	5%	1/16W
R855	1-218-976-11	METAL CHIP	82K	5%	1/16W
R856	1-218-964-11	METAL CHIP	8.2K	5%	1/16W
R900	1-218-941-81	METAL CHIP	100	5%	1/16W
R901	1-218-973-11	METAL CHIP	47K	5%	1/16W
R902	1-218-973-11	METAL CHIP	47K	5%	1/16W
R903	1-218-973-11	METAL CHIP	47K	5%	1/16W
R904	1-218-941-81	METAL CHIP	100	5%	1/16W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R906	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX8G)
R906	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (GPX7G)
R906	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (GPX5G)
R908	1-216-833-11	METAL CHIP	10K	5%	1/10W
R909	1-218-941-81	METAL CHIP	100	5%	1/16W
R910	1-218-973-11	METAL CHIP	47K	5%	1/16W
R912	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R913	1-216-845-11	METAL CHIP	100K	5%	1/10W (GPX8G)
R914	1-218-971-11	METAL CHIP	33K	5%	1/16W (GPX8G)
R915	1-216-844-11	METAL CHIP	82K	5%	1/10W (GPX8G)
R916	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX8G)
R917	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX8G)
R918	1-218-955-11	METAL CHIP	1.5K	5%	1/16W (GPX8G)
R919	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (GPX8G)
R920	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (GPX8G)
R921	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R922	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R923	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R924	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R927	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R931	1-218-969-11	METAL CHIP	22K	5%	1/16W
R932	1-218-969-11	METAL CHIP	22K	5%	1/16W
R933	1-218-969-11	METAL CHIP	22K	5%	1/16W
R934	1-218-972-11	METAL CHIP	39K	5%	1/16W
R935	1-218-972-11	METAL CHIP	39K	5%	1/16W
R936	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R937	1-218-965-11	METAL CHIP	10K	5%	1/16W
R938	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R939	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R940	1-218-960-11	METAL CHIP	3.9K	5%	1/16W
R941	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R942	1-216-801-11	METAL CHIP	22	5%	1/10W
R943	1-218-972-11	METAL CHIP	39K	5%	1/16W
R950	1-218-941-81	METAL CHIP	100	5%	1/16W
R951	1-218-973-11	METAL CHIP	47K	5%	1/16W
R952	1-218-973-11	METAL CHIP	47K	5%	1/16W
R953	1-218-973-11	METAL CHIP	47K	5%	1/16W
R954	1-218-941-81	METAL CHIP	100	5%	1/16W
R955	1-216-841-11	METAL CHIP	47K	5%	1/10W
R956	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GPX8G)
R956	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (GPX7G)
R956	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (GPX5G)
R958	1-216-833-11	METAL CHIP	10K	5%	1/10W
R959	1-218-941-81	METAL CHIP	100	5%	1/16W (GPX8G)
R960	1-218-973-11	METAL CHIP	47K	5%	1/16W
R963	1-216-845-11	METAL CHIP	100K	5%	1/10W
R964	1-218-971-11	METAL CHIP	33K	5%	1/16W
R965	1-216-843-11	METAL CHIP	68K	5%	1/10W (GPX5G)
R965	1-216-844-11	METAL CHIP	82K	5%	1/10W (GPX8G)
R965	1-216-845-11	METAL CHIP	100K	5%	1/10W (GPX7G)

Ref. No.	Part No.	Description			Remark
R966	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (GPX7G)
R966	1-216-833-11	METAL CHIP	10K	5%	1/10W (GPX5G/GPX8G)
R967	1-216-833-11	METAL CHIP	10K	5%	1/10W
R968	1-218-955-11	METAL CHIP	1.5K	5%	1/16W (GPX8G)
R968	1-218-957-11	METAL CHIP	2.2K	5%	1/16W (GPX7G)
R968	1-218-959-11	METAL CHIP	3.3K	5%	1/16W (GPX5G)
R969	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R970	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (GPX5G/GPX8G)
R970	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (GPX7G)
R971	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R972	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (GPX8G)
R973	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R974	1-218-957-11	METAL CHIP	2.2K	5%	1/16W (GPX8G)
R975	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R976	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R977	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R980	1-218-972-11	METAL CHIP	39K	5%	1/16W
R981	1-218-969-11	METAL CHIP	22K	5%	1/16W
R982	1-218-969-11	METAL CHIP	22K	5%	1/16W
R983	1-218-969-11	METAL CHIP	22K	5%	1/16W
R984	1-218-972-11	METAL CHIP	39K	5%	1/16W
R985	1-218-972-11	METAL CHIP	39K	5%	1/16W
R986	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R987	1-218-965-11	METAL CHIP	10K	5%	1/16W
R988	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R989	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R990	1-218-960-11	METAL CHIP	3.9K	5%	1/16W
R991	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R999	1-218-990-81	SHORT CHIP	0		
R1000	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1001	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1003	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1004	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1005	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1006	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX7G/GPX8G)
R1007	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1008	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1009	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1010	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1011	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1012	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1013	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1014	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1015	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1016	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1017	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1018	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1019	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1020	1-469-670-21	FERRITE, EMI (SMD)(2012)			
R1021	1-216-864-11	SHORT CHIP	0		
R1022	1-218-990-81	SHORT CHIP	0		
R1023	1-218-990-81	SHORT CHIP	0		
R1024	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1025	1-216-820-11	METAL CHIP	820	5%	1/10W (GPX8G)
R1025	1-216-864-11	SHORT CHIP	0 (GPX5G/GPX7G)		
		< COMPOSITION CIRCUIT BLOCK >			
RB538	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB543	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB549	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB571	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB572	1-234-372-11	RES, NETWORK	100 (1005X4)		
		< VIBRATOR >			
X700	1-814-306-11	VIBRATOR, CRYSTAL (24MHz)			
X701	1-814-446-11	QUARTZ CRYSTAL UNIT (8MHz)			
X702	1-814-273-11	QUARTZ CRYSTAL UNIT (32.768MHz)			
**********					
		MIC BOARD			
		*********			
		< CAPACITOR >			
C1300	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1301	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1303	1-115-872-11	ELECT	2.2uF	20%	50V
C1304	1-115-872-11	ELECT	2.2uF	20%	50V
C1306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1307	1-115-872-11	ELECT	2.2uF	20%	50V
C1308	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1309	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1310	1-126-176-11	ELECT	220uF	20%	10V
C1311	1-126-176-11	ELECT	220uF	20%	10V
C1312	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1314	1-115-872-11	ELECT	2.2uF	20%	50V
C1315	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C1316	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1317	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1318	1-115-867-11	ELECT	0.1uF	20%	50V
C1319	1-126-795-11	ELECT	10uF	20%	50V
C1320	1-115-867-11	ELECT	0.1uF	20%	50V
C1321	1-115-867-11	ELECT	0.1uF	20%	50V
C1322	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1324	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1325	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V

MIC **MOTOR (TB)** **MOTOR (LD)** **SENSOR** **SWITCH** **TUNER1AM3R**

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D1300	6-500-848-01	DIODE MC2840-T112-1			
D1301	6-502-961-01	DI DA2J10100L			
		< IC >			
IC1301	8-759-909-71	IC BA4558F			
		< JACK >			
J1300	1-822-757-11	JACK (LARGE TYPE) (MIC)			
		< JUMPER RESISTOR >			
JR1300	1-216-296-11	SHORT CHIP	0		
JR1301	1-216-296-11	SHORT CHIP	0		
JR1302	1-216-296-11	SHORT CHIP	0		
JR1303	1-216-864-11	SHORT CHIP	0		
JR1304	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q1301	6-551-696-01	TR ISA1235AC1-T112-1EF			
Q1302	6-552-967-01	TR RHK005N03T146			
		< RESISTOR >			
R1300	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1305	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1307	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1310	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1312	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1313	1-216-817-11	METAL CHIP	470	5%	1/10W
R1314	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1315	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1316	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1317	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1300	1-227-452-11	RES, VAR, CARBON 50K (MIC LEVEL MIN MAX)			
**********					
		MOTOR (TB) BOARD			
		**********			
		< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P			
**********					
	1-687-133-12	MOTOR (LD) BOARD			
		**********			
**********					

Ref. No.	Part No.	Description			Remark
		SENSOR BOARD			
		**********			
		< IC >			
IC731	6-600-564-01	IC RPI-579N1			
		< CONNECTOR >			
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P			
**********					
		SWITCH BOARD			
		**********			
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)			
**********					
		TUNER1AM3R BOARD			
		**********			
		< CAPACITOR >			
⚠ C101	1-100-155-91	CERAMIC CHIP	470PF	5%	100V
⚠ C102	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C103	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C105	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C106	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C107	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C108	1-116-729-11	CERAMIC CHIP	2.2uF	20%	10V
C110	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C111	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
C112	1-116-734-11	CERAMIC CHIP	1uF	20%	16V
		< CONNECTOR >			
CN101	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
* CN103	1-506-680-11	PLUG, CONNECTOR (2.5MM) 3P			
		< DIODE >			
D101	6-501-579-01	DIODE MC2837			
D102	6-501-579-01	DIODE MC2837			
D103	6-501-579-01	DIODE MC2837			
		< FLUORESCENT INDICATOR TUBE >			
FL101	1-236-711-21	FILTER, BAND PASS			
		< IC >			
IC101	6-717-981-01	IC RZ5B801-0002E2			
IC103	6-710-536-01	IC NJM2878F4-33 (TE2)			
		< JUMPER RESISTOR >			
JR101	1-216-864-11	SHORT CHIP	0		
JR102	1-216-296-11	SHORT CHIP	0		
JR105	1-216-296-11	SHORT CHIP	0		
JR106	1-216-864-11	SHORT CHIP	0		
JR109	1-216-296-11	SHORT CHIP	0		
JR112	1-216-296-11	SHORT CHIP	0		
		< COIL >			
L101	1-457-998-11	COIL, AM ANTENNA			
L103	1-414-576-41	INDUCTOR	47nH		
L104	1-481-330-21	INDUCTOR	220nH		
L105	1-481-523-11	INDUCTOR	4.7uH		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R101	1-216-809-11	METAL CHIP	100	5%	1/10W
R103	1-216-801-11	METAL CHIP	22	5%	1/10W
R104	1-216-864-11	SHORT CHIP	0		
R105	1-216-801-11	METAL CHIP	22	5%	1/10W
R106	1-216-809-11	METAL CHIP	100	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-296-11	SHORT CHIP	0		
R109	1-216-864-11	SHORT CHIP	0		
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W
R113	1-216-833-11	METAL CHIP	10K	5%	1/10W
R114	1-216-864-11	SHORT CHIP	0		
		< VIBRATOR >			
X101	1-767-317-11	VIBRATOR, CRYSTAL (32.768kHz)			
**********					
	A-1858-081-A	USB BOARD, COMPLETE (GPX8G)			
	A-1858-087-A	USB BOARD, COMPLETE (GPX5G/GPX7G)			
		**********			
		< CAPACITOR >			
C1202	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1203	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1204	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1206	1-126-382-11	ELECT	100uF	20%	16V
C1208	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1209	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1210	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1212	1-126-382-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN1201	1-819-866-11	USB CONNECTOR (A) (⇜ A PLAY)			
CN1202	1-819-866-11	USB CONNECTOR (A) (⇜ B REC/PLAY)			
		< DIODE >			
D1201	6-500-848-01	DIODE MC2840-T112-1			
D1202	6-500-848-01	DIODE MC2840-T112-1			
D1203	6-500-848-01	DIODE MC2840-T112-1			
D1205	6-502-970-01	DI DZ2J068M0L			
D1206	6-502-970-01	DI DZ2J068M0L			
D1207	6-502-970-01	DI DZ2J068M0L			
D1208	6-500-848-01	DIODE MC2840-T112-1			
D1209	6-500-848-01	DIODE MC2840-T112-1			
D1210	6-500-848-01	DIODE MC2840-T112-1			
D1212	6-502-970-01	DI DZ2J068M0L			
D1213	6-502-970-01	DI DZ2J068M0L			
D1214	6-502-970-01	DI DZ2J068M0L			
D1216	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1216	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1218	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1218	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1221	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1221	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1223	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1223	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			

Ref. No.	Part No.	Description			Remark
D1224	6-503-224-02	DI 1L0352V22F3MIT02 (GPX5G/GPX7G)			
D1224	6-503-720-01	DI 1L0353W61B3MKT01 (GPX8G)			
D1231	6-500-335-01	DIODE MC2838-T112-1			
D1232	6-500-335-01	DIODE MC2838-T112-1			
D1233	6-500-335-01	DIODE MC2838-T112-1			
		< JUMPER RESISTOR >			
JR1200	1-216-296-11	SHORT CHIP	0		
JR1201	1-216-296-11	SHORT CHIP	0		
JR1203	1-216-296-11	SHORT CHIP	0		
JR1204	1-216-296-11	SHORT CHIP	0		
JR1205	1-216-296-11	SHORT CHIP	0		
		< RESISTOR >			
R1201	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1202	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1203	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1204	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1205	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1206	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1207	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1208	1-216-843-11	METAL CHIP	68K	5%	1/10W
		< SWITCH >			
S1210	1-771-410-21	SWITCH, TACTILE (BASS BAZUCA)			
S1211	1-771-410-21	SWITCH, TACTILE (REC TO USB B)			
S1212	1-771-410-21	SWITCH, TACTILE (PHASER GAME)			
S1213	1-771-410-21	SWITCH, TACTILE (SOUND FLASH FOOTBALL)			
S1214	1-771-410-21	SWITCH, TACTILE (ISOLATOR MOVIE)			
S1215	1-771-410-21	SWITCH, TACTILE (FLANGER MUSIC)			
S1216	1-771-410-21	SWITCH, TACTILE (OPTIONS)			
S1217	1-771-410-21	SWITCH, TACTILE (SEARCH)			
S1218	1-771-410-21	SWITCH, TACTILE (DJ EFFECT)			
**********					
		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 >			
S1180	1-771-410-21	SWITCH, TACTILE (TUNING - ◀◀| ◀◀)			
S1181	1-771-410-21	SWITCH, TACTILE (▲ 🗀+)			
S1182	1-771-410-21	SWITCH, TACTILE (TUNING + |▶▶ ▶▶|)			
S1183	1-771-410-21	SWITCH, TACTILE (🗀- ▼)			
S1184	1-771-410-21	SWITCH, TACTILE (ENTER)			
S1250	1-489-978-11	ENCODER, ROTARY (DJ CONTROL/MASTER VOLUME)			
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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
52	1-828-995-11	WIRE (FLAT TYPE) (17 CORE)	
⚠ 102	1-855-006-11	FAN, DC	
104	1-838-606-11	WIRE (FLAT TYPE) (9 CORE)	
⚠ 154	1-490-057-11	REGULATOR, SWITCHING (3H384W) (GPX8G)	
⚠ 154	1-490-058-11	REGULATOR, SWITCHING (3H385W) (GPX5G/GPX7G)	
⚠ 155	1-569-007-12	ADAPTOR, CONVERSION 2P (E2)	
⚠ 155	1-843-324-11	ADAPTOR, CONVERSION 2P (E51, E4)	
⚠ 156	1-837-344-11	CORD, POWER-SUPPLY (E2, MX)	
⚠ 156	1-838-939-21	CORD, POWER (E51, E4)	
⚠ 157	4-966-267-12	BUSHING (FBS001), CORD	
158	1-457-369-12	CORE, FERRITE	
201	1-828-602-11	WIRE (FLAT TYPE) (15 CORE)	
202	1-828-621-11	WIRE (FLAT TYPE) (19 CORE)	
203	1-830-688-51	WIRE (FLAT TYPE) (24 CORE)	
206	1-828-798-21	WIRE (FLAT TYPE) (5 CORE)	
266	A-1880-228-A	SERVICE, OPTICAL DEVICE	
267	1-830-688-51	WIRE (FLAT TYPE) (24 CORE)	
271	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)	
M741	A-1108-965-A	MOTOR ASSY, TABLE	
RE701	1-477-680-12	ENCODER, ROTARY	

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Ref. No.	Part No.	Description	Remark

SS-GPX3/GPX5/GPX7/GPX8/RSP8
SS-GPX7P

Modelo BR

MANUAL DE SERVI£O

Ver. 1.0 2012. 03

SS-GPX3/GPX5

SS-GPX7

SS-GPX8

SS-RSP8

- **SS-GPX3 is the front speaker in MHC-GPX3**
- **SS-GPX5 is the front speaker in MHC-GPX5**
- **SS-GPX7 is the front speaker in MHC-GPX7**
- **SS-GPX8 is the front speaker in MHC-GPX8**
- **SS-RSP8 is the satellite speaker in MHC-GPX8**
- **SS-GPX7P is the package speakers of front speakers in MHC-GPX7**

- **JIG**
  When disassembling the set, use the following jig (for front panel removal).
  Part No.: J-2501-238-A JIG FOR SPEAKER REMOVAL

ESPECIFICA¢ì ES

Speakers

Front speaker
SS-GPX8 for MHC-GPX8
SS-GPX7 for MHC-GPX7
SS-GPX5 for MHC-GPX5
SS-GPX3 for MHC-GPX3

Speaker system
SS-GPX8/SS-GPX5/SS-GPX3: 2-way, Bass reflex
SS-GPX7: 3-way, Bass reflex
Speaker unit
Woofer: 200 mm, cone type
Tweeter:
(SS-GPX8/SS-GPX7) 25 mm, horn type
(SS-GPX5/SS-GPX3) 40 mm, horn type
Subwoofer:
(SS-GPX7) 200 mm, cone type
Rated impedance
SS-GPX8: 6 ohms
SS-GPX7:
HIGH: 4 ohms
LOW: 10 ohms
SS-GPX5: 5 ohms
SS-GPX3: 4 ohms
Dimensions (w/h/d) (Approx.)
SS-GPX8: 360 mm × 435 mm × 330 mm
SS-GPX7: 310 mm × 625 mm × 420 mm
SS-GPX5/SS-GPX3: 290 mm × 395 mm × 315 mm
Mass (Approx.)
SS-GPX8: 8.5 kg
SS-GPX7: 13.4 kg
SS-GPX5/SS-GPX3: 6.9 kg
Quantity: 2 pieces

Satellite speaker
SS-RSP8 for MHC-GPX8

Speaker system
1-way
Speaker unit
Woofer: 65 mm, cone type × 2
Rated impedance
12 ohms
Dimensions (w/h/d) (Approx.)
360 mm × 125 mm × 170 mm
Mass (Approx.)
1.8 kg
Quantity: 2 pieces

Design and specifications are subject to change without notice.

SPEAKER SYSTEM

9-890-602-01
2012C08-1

Sony Corporation
Published by Sony EMCS (Malaysia) PG Tec

SONY®

SE¢ëO 1
DIAGRAMAS

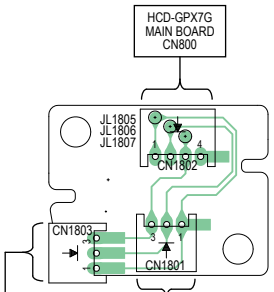
THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.
Note:
- o——: Parts extracted from the component side.
- ▬: Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

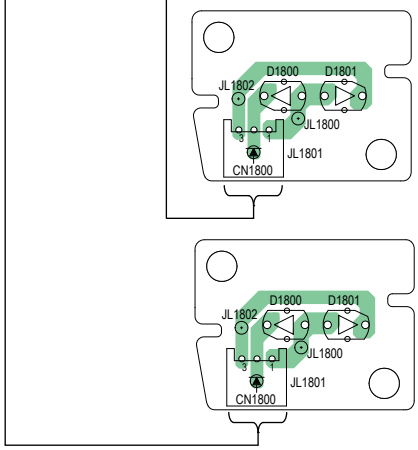
For Schematic Diagrams.
Note:
- ▭: Panel designation.

1-1. PLACA DE CIRCUITO IMPRESSO – PLACAS SPK HUB E SPK LED - • : Uses unleaded solder.

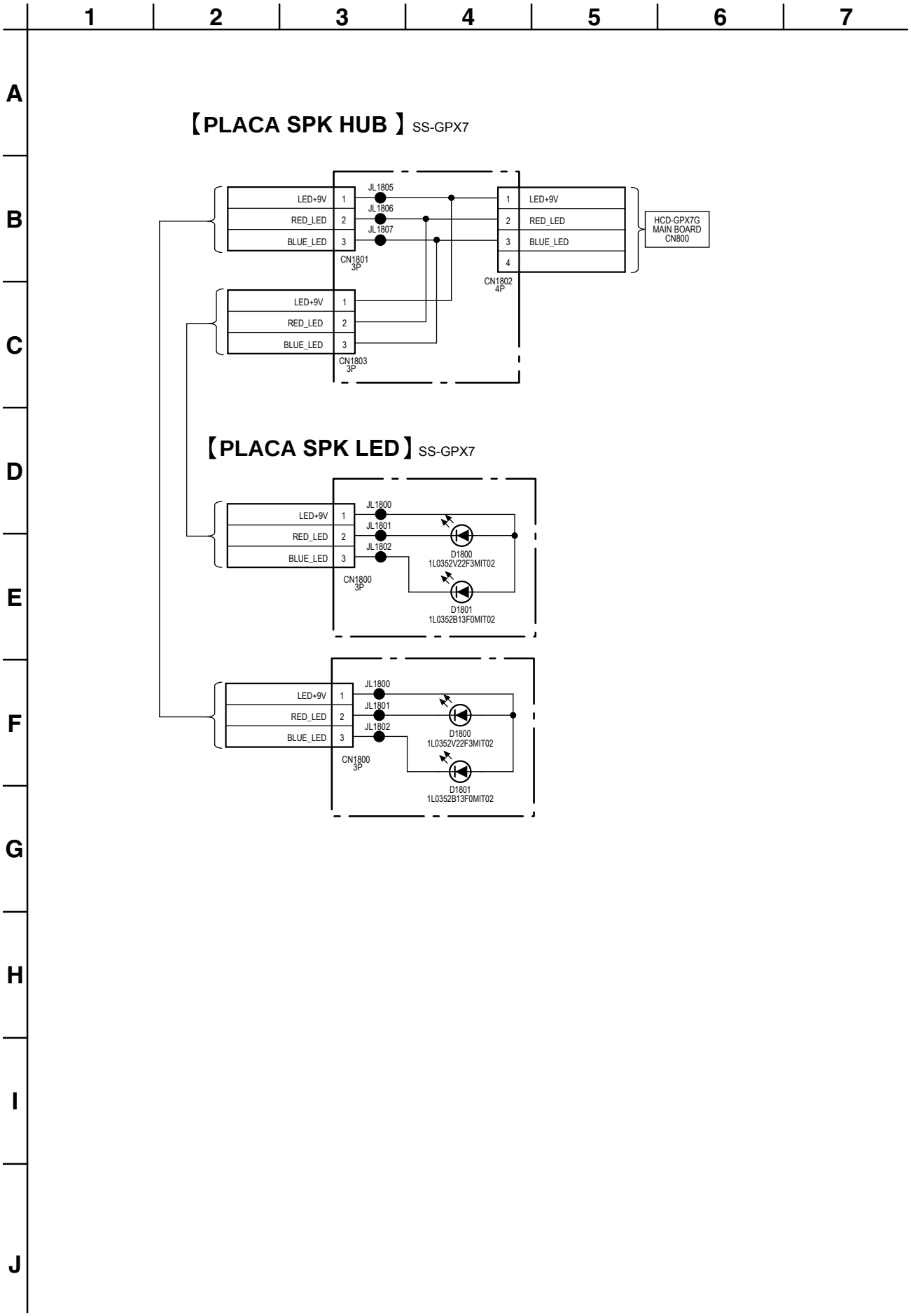
【PLACA SPK HUB】SS-GPX7



【PLACA SPK LED】SS-GPX7

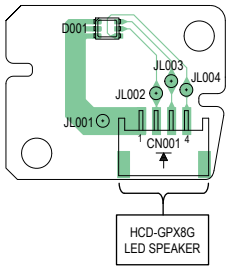


1-2. DIAGRAMA ESQUEMĆTICO – Placas SPK HUB E SPK LED –



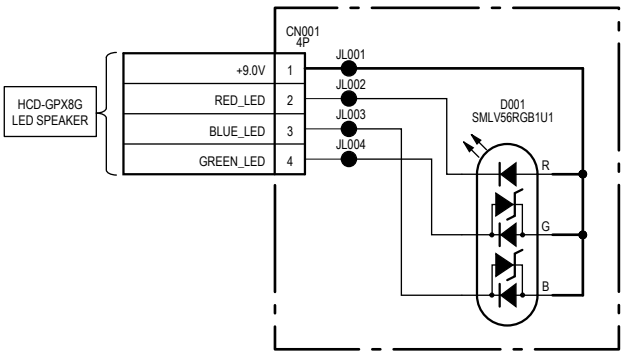
1-3. PLACA DE CIRCUITO IMPRESSO – Placa SPK RGB LED - • : Uses unleaded solder.

【PLACA SPK RGB LED 】SS-GPX8



1-4. DIAGRAMA ESQUEMĆTICO – Placa SPK RGB LED –

【PLACA SPK RGB LED 】SS-GPX8

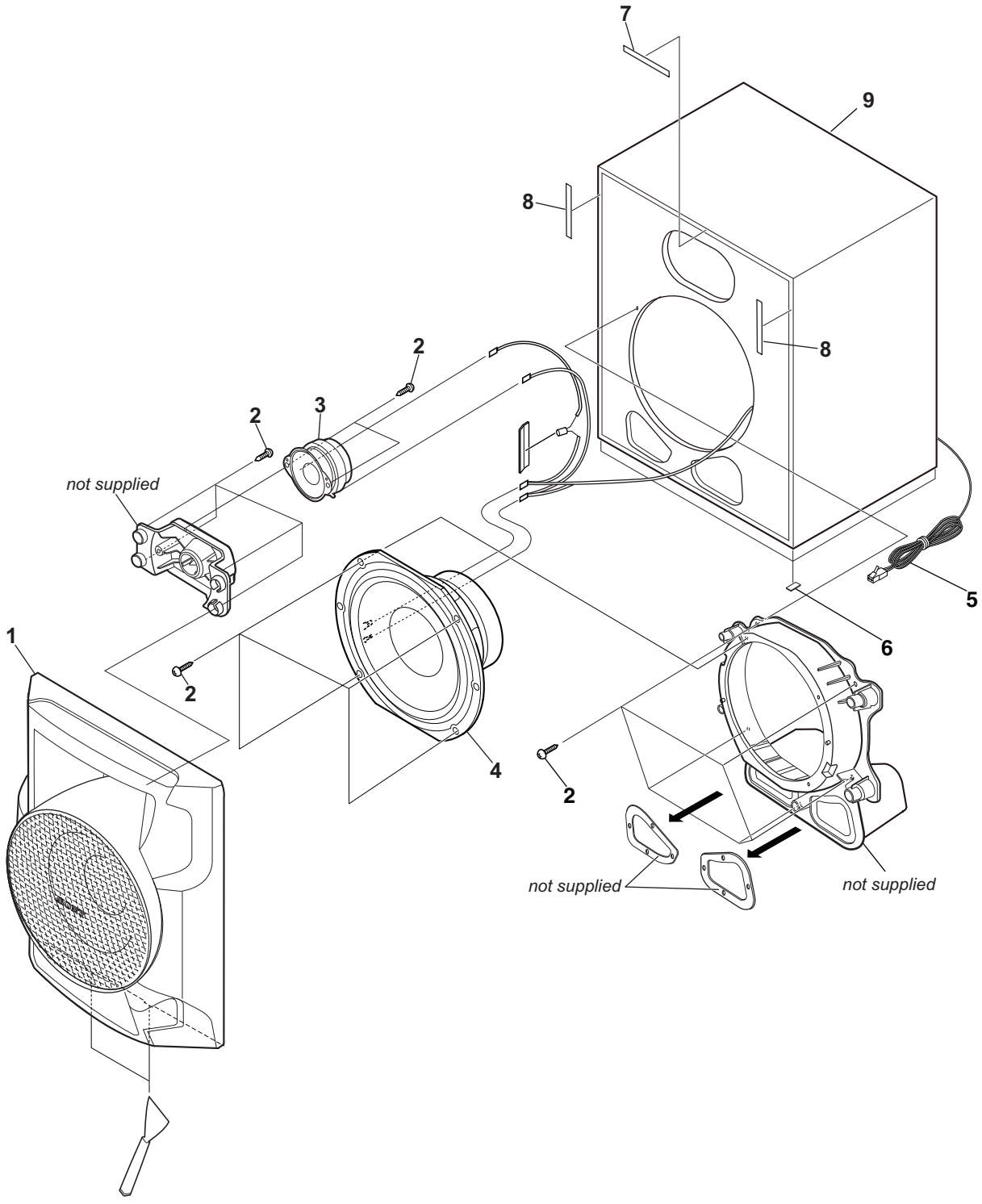


SE¢ ë O 2
VISTA EXPLODIDA

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

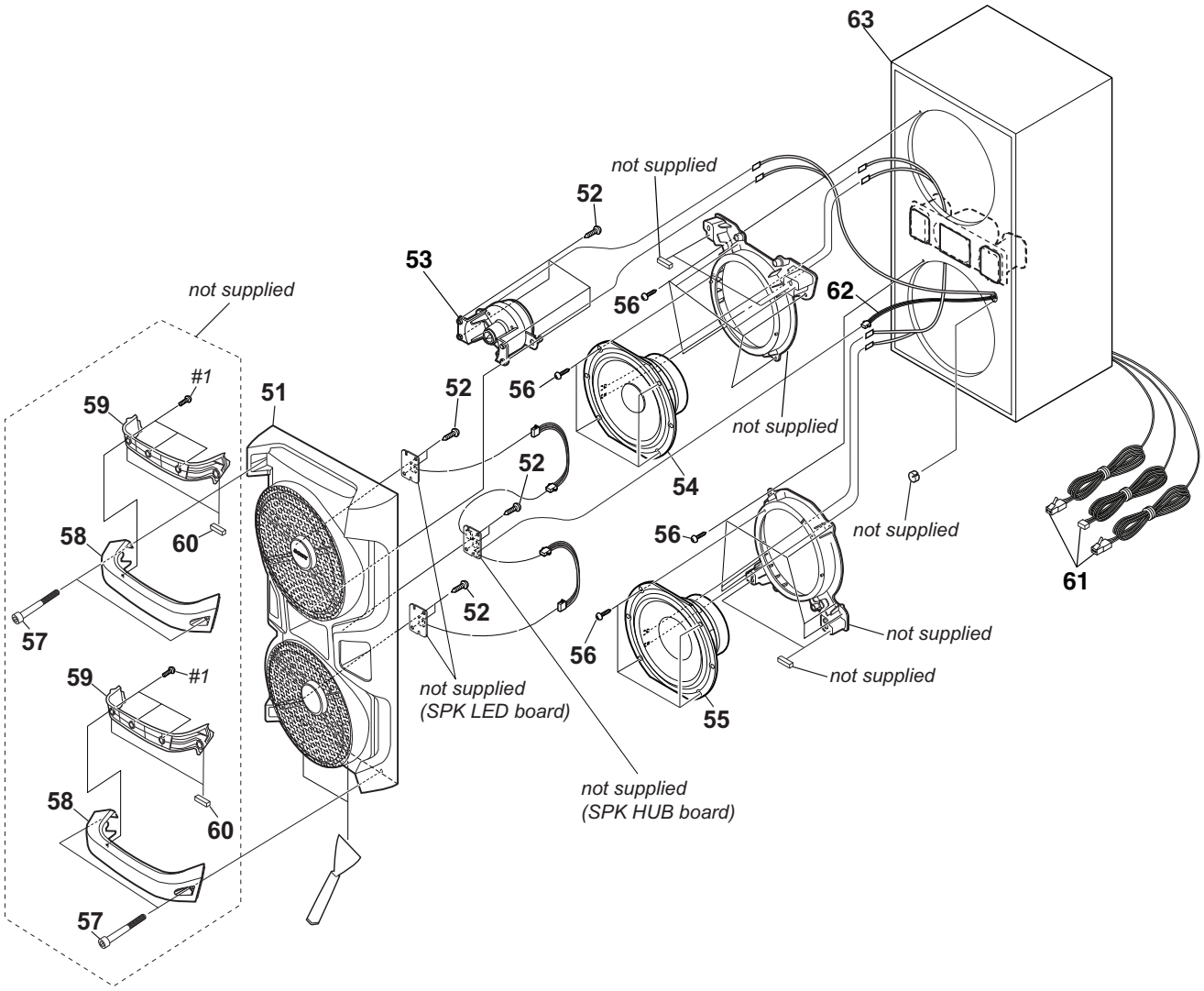
2-1. SS-GPX3/GPX5



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)	

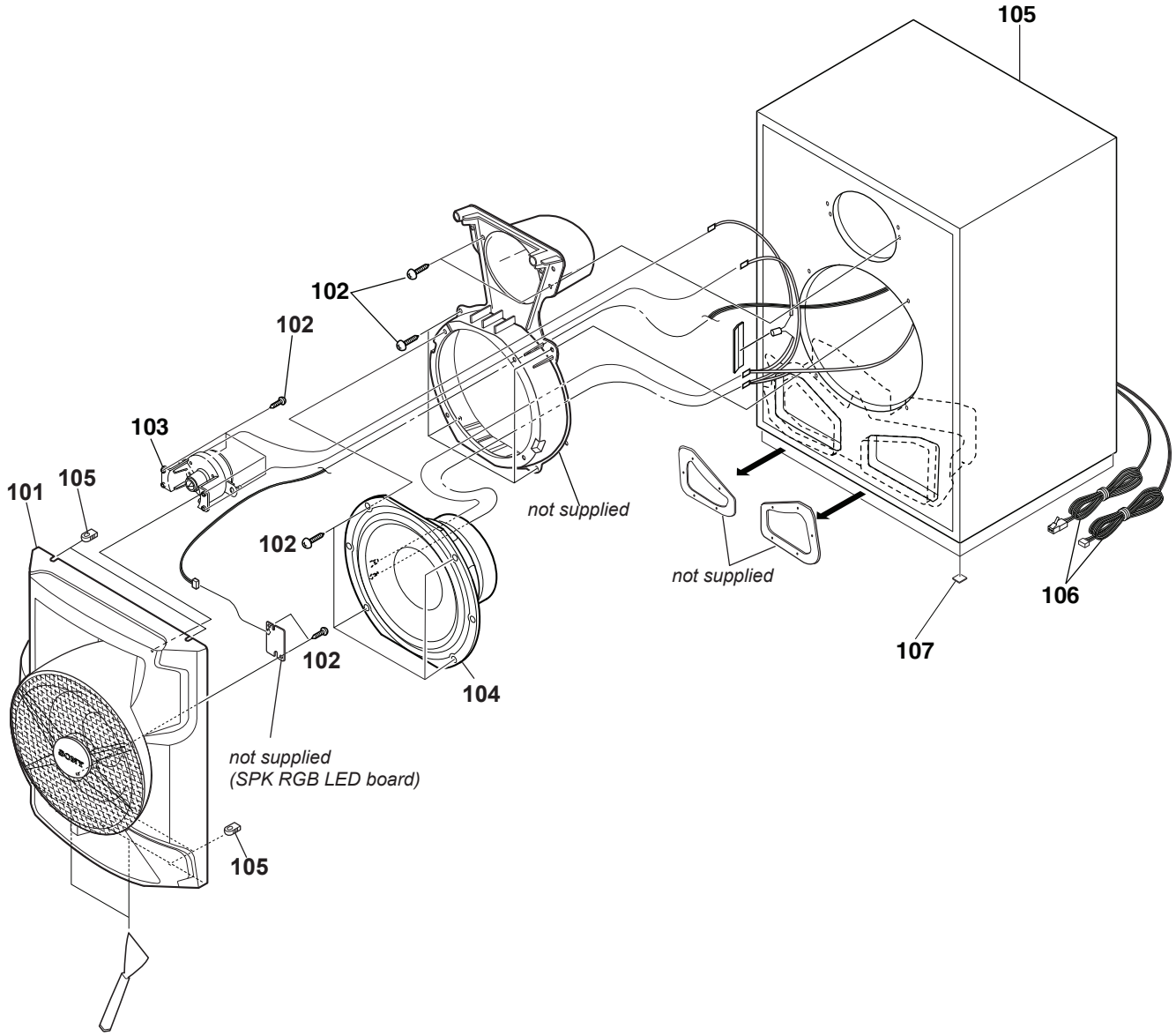
Ref. No.	Part No.	Description	Remark
5	1-839-950-11	CORD WITH CONNECTOR	
6	4-176-619-01	FOOT, RUBBER	
7	4-426-763-01	CUSHION, FP	
8	4-432-952-01	CUSHION, FP2	
9	Y-8288-098-A	GABINETE MONTADO (SS-GPX3/5) ATC	

2-2. SS-GPX7



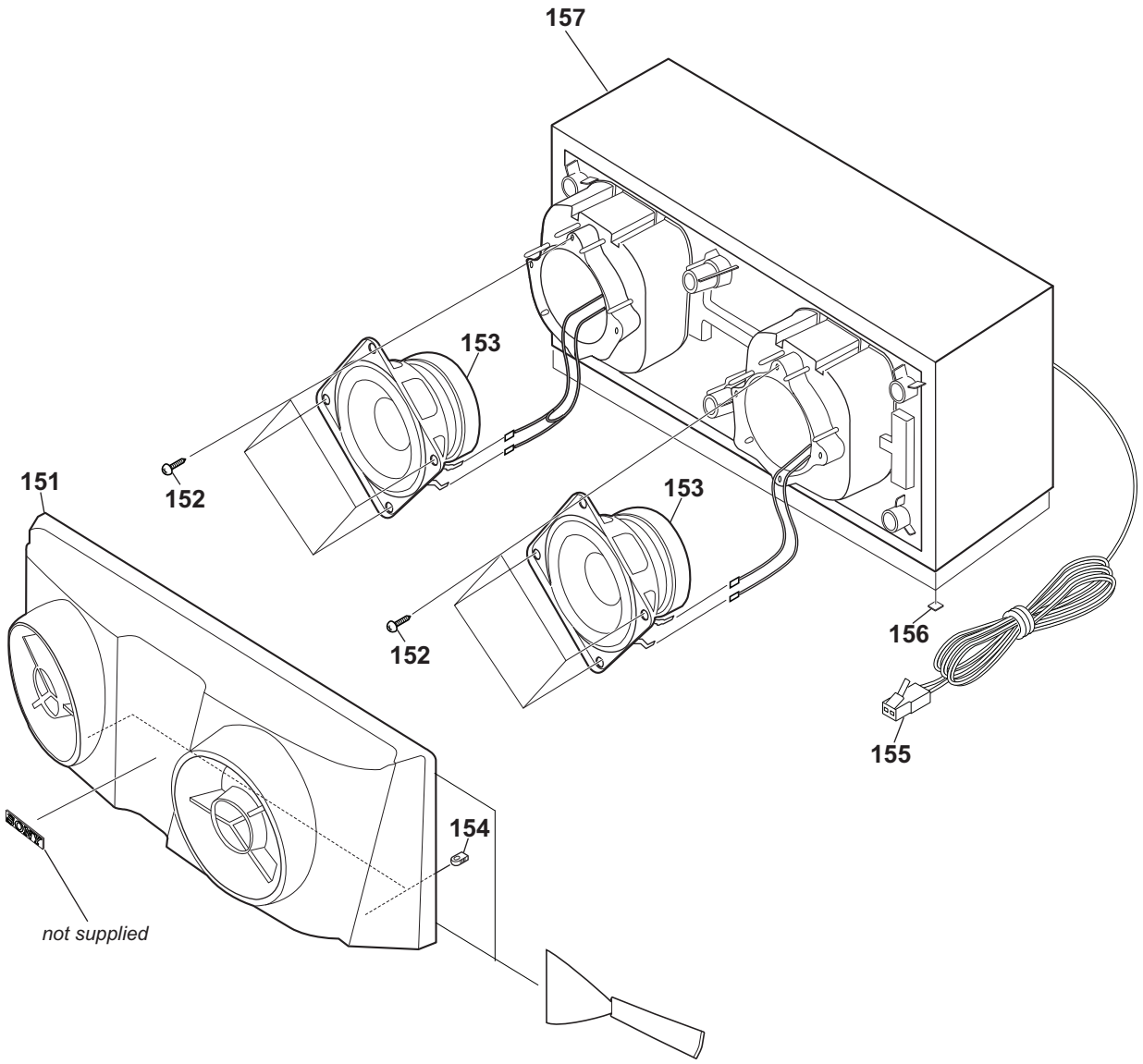
Ref. No.	Part No.	Description	Remark
51	A-1857-928-A	PANEL ASSY, FRONT	
51	Y-8288-106-A	PAINEL FRONTAL MONTADO (SS-GPX7) ATC	
52	4-986-971-02	SCREW (3.5)	
53	1-858-762-11	LOUDSPEAKER (2.5 CM)	
54	1-858-739-11	LOUDSPEAKER (20CM) -18	
55	1-858-740-11	LOUDSPEAKER (20CM) -19	
56	4-874-614-02	SCREW (1) (3.5X14), TAPPING	
57	3-100-895-01	BOLT, HEXAGON	
58	4-413-750-01	HANDLE, TOP	
59	4-413-751-01	HANDLE, BOTTOM	
60	4-431-887-01	CUSHION, HANDLE	
61	1-839-683-12	CORD WITH CONNECTOR (SPEAKER)	
62	1-839-684-12	CORD WITH CONNECTOR (SPEAKER)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
63	Y-8288-107-A	GABINETE MONTADO (SS-GPX7) ATC	

2-3. SS-GPX8



Ref. No.	Part No.	Description	Remark
101	A-1857-856-A	PANEL ASSY, FRONT	
101	Y-8288-101-A	PAINEL FRONTAL MONTADO (SS-GPX8) ATC	
102	4-874-614-02	SCREW (1) (3.5X14), TAPPING	
103	1-826-110-51	LOUD SPEAKER (2.5CM)	
104	1-858-741-11	LOUDSPEAKER (20CM)	
105	4-424-243-01	CATCHER, RUBBER (14MM)	
106	1-839-680-11	CORD WITH CONNECTOR	
107	4-176-619-01	FOOT, RUBBER	
108	Y-8288-102-A	GABINETE MONTADO (SS-GPX8) ATC	

2-4. SS-RSP8



Ref. No.	Part No.	Description	Remark
151	A-1857-913-A	PANEL, ASSY FRONT	
152	4-874-614-02	SCREW (1) (3.5X14), TAPPING	
153	1-858-742-11	LOUDSPEAKER (6.5CM)	
154	4-130-554-01	CATCHER, RUBBER	
155	1-839-681-11	CORD WITH CONNECTOR	
156	4-176-619-01	FOOT, RUBBER	
157	Y-8288 103 A	GABINETE MONTADO (SS-SRP8) ATC	

SE¢ë O 3
LISTA DE PE¢AS EL£TRICAS

SPK HUB **SPK LED**
SPK RGB LED

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.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  E4 : African model
  E2 : 120V AC area in E model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  BR : Modelo Brasil

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

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

Ref. No.	Part No.	Description	Remark
		SPK HUB BOARD (SS-GPX7)	
		**********	
	Y-8288-001-A	PCI SPK RB LED MONTADA (GPX7)	
		< CONNECTOR >	
CN1801	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CN1802	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN1803	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
**********			
		SPK LED BOARD (SS-GPX7)	
		**********	
		< CONNECTOR >	
CN1800	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< DIODE >	
D1800	6-503-224-02	DI 1L0352V22F3MIT02	
D1801	6-503-388-01	DI 1L0352B13F0MIT02	
**********			
		SPK RGB LED BOARD (SS-GPX8)	
		**********	
	Y-8288-030-A	PCI SPK RGB LED MONTADA (GPX8)	
		< CONNECTOR >	
* CN001	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D001	6-503-357-01	DI SMLV56RGB1U1	
**********			

SS-WGP5/WGP8
SS-GPX8P

Modelo BR

MANAUL DE **SERVI£O**

Ver. 1.0 2012. 03

SS-WGP5

SS-WGP8

- **SS-WGP5 is the subwoofer speaker in MHC-GPX5**
- **SS-WGP8 is the subwoofer speaker in MHC-GPX8**
- **SS-GPX8P is the package speakers of front, satellite and subwoofer speakers in MHC-GPX8**

- **JIG**
  When disassembling the set, use the following jig (for front panel removal).
  Part No.: J-2501-238-A JIG FOR SPEAKER REMOVAL

ESPECIFICA¢ì ES

Subwoofer
SS-WGP8 for MHC-GPX8
SS-WGP5 for MHC-GPX5
Subwoofer system
1-way, Bass reflex
Speaker unit
Subwoofer: 250 mm, cone type
Rated impedance
SS-WGP8: 8 ohms
SS-WGP5: 5 ohms

Dimensions (w/h/d) (Approx.)
SS-WGP8: 360 mm × 395 mm × 335 mm
SS-WGP5: 360 mm × 395 mm × 315 mm
Mass (Approx.)
SS-WGP8: 7.9 kg
SS-WGP5: 8.2 kg
Quantity:
MHC-GPX8: 2 pieces
MHC-GPX5: 1 piece

Design and specifications are subject to change without notice.

SPEAKER SYSTEM

9-890-601-01
2012C08-1

Sony Corporation
Published by Sony EMCS (Malaysia) PG Tec

SONY®

SE¢ëO 1
DIAGRAMAS

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For Printed Wiring Boards.
Note:
- o——: Parts extracted from the component side.
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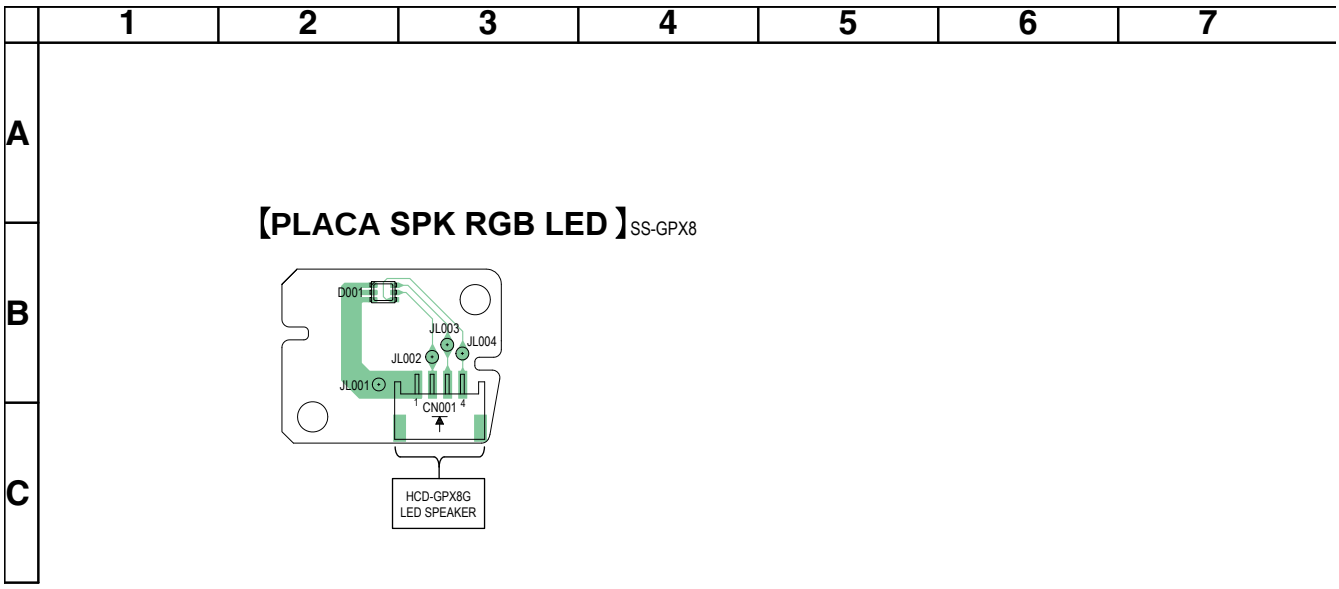
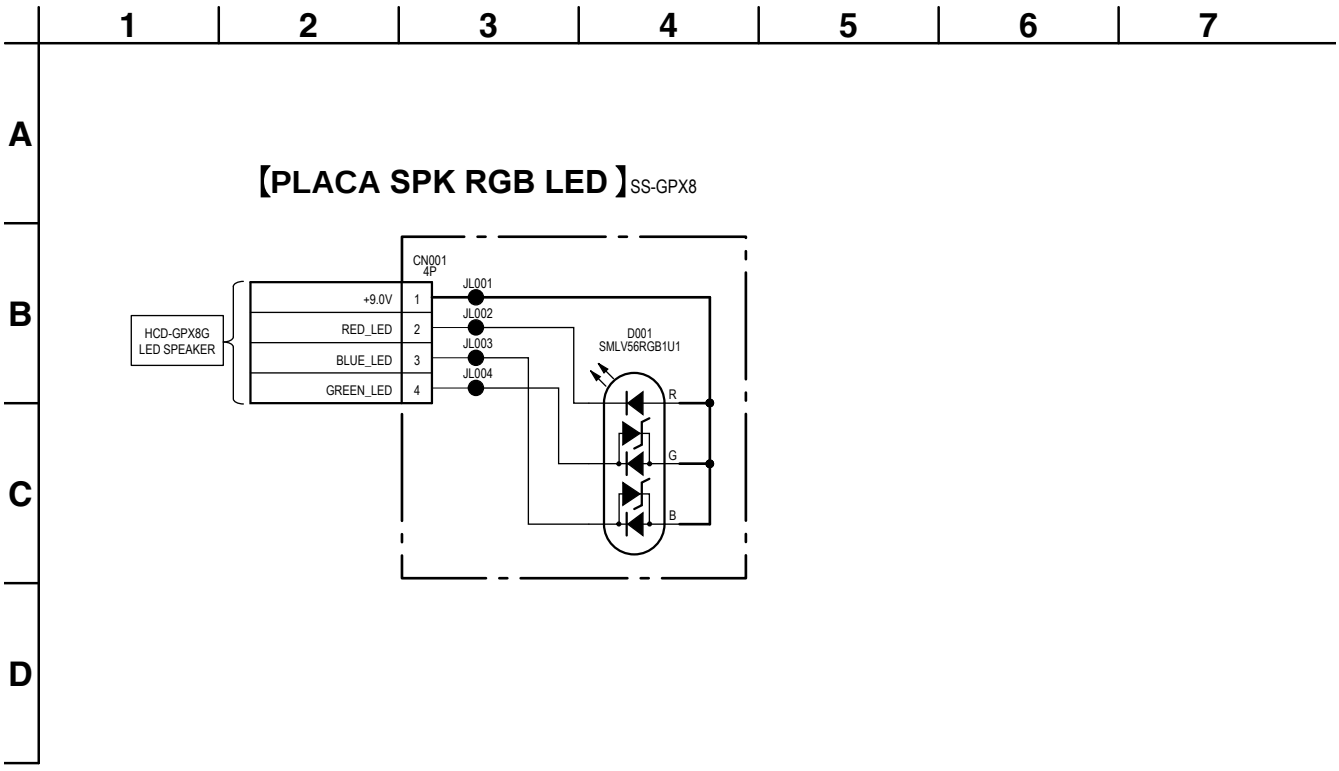
For Schematic Diagrams.
Note:
- ▭: Panel designation.

1-1. PLACA DE CIRCUITO IMPRESSO – Placa SPK RGB LED - • : Uses unleaded solder.



1-2. DIAGRAMA ESQUEMĆTICO – Placa SPK RGB LED –



SE¢ ë O 2
VISTA EXPLODIDA

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- Abbreviation
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  - E2 : 120V AC area in E model
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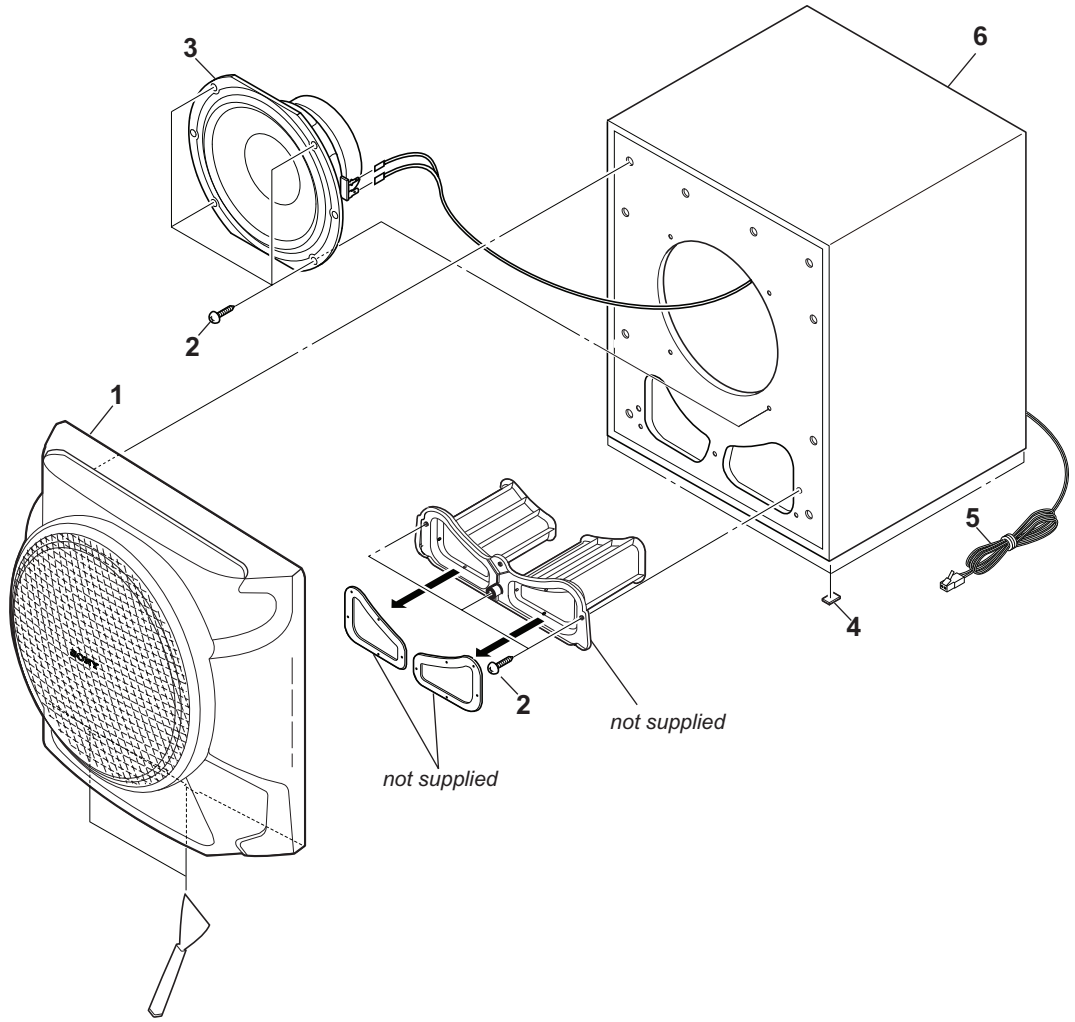
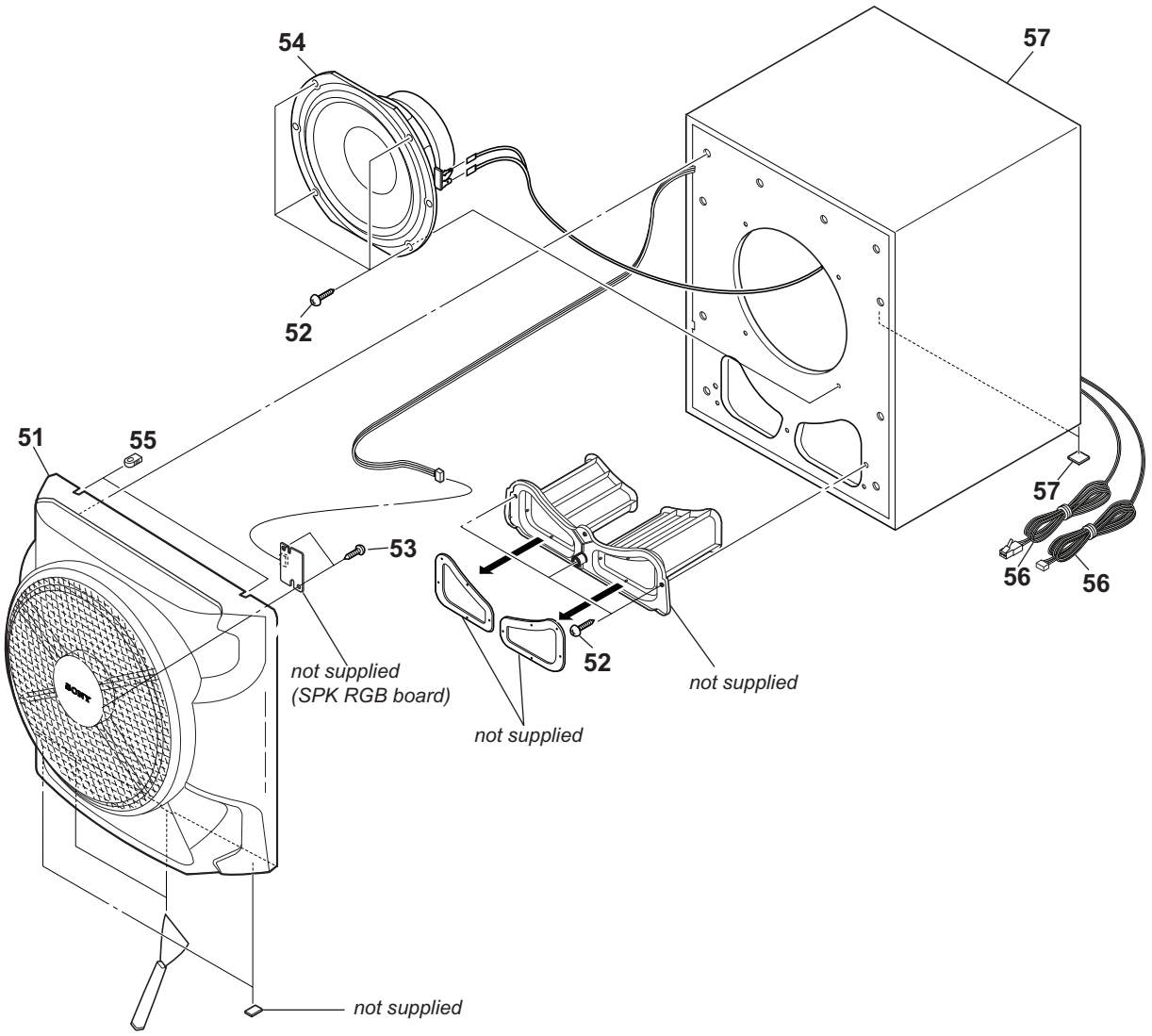
  - MX : Mexican model
  - BR ; Modelo Brasil

2-1. SS-WGP5



Ref. No.	Part No.	Description	Remark
1	A-1857-629-A	PANEL ASSY, FRONT	
1	Y-8288-099-A	PAINEL FRONTAL MONTADO (SS-WGP5) ATC	
2	4-245-976-01	SCREW (4X16) (TYPE1), +BVTP	
3	1-858-744-11	LOUDSPEAKER (25CM)	
4	4-176-619-01	FOOT, RUBBER	
5	1-839-138-21	CORD WITH CONNECTOR (SPEAKER)	
6	Y-8288-100-A	GABINETE MONTADO (SS-WGP5) ATC	

2-2. SS-WGP8



Ref. No.	Part No.	Description	Remark
51	A-1857-643-A	PANEL ASSY, FRONT	
51	Y-8288-104-A	PAINEL FRONTAL MONTADO (SS-WGP8) ATC	
52	4-245-976-01	SCREW (4X16) (TYPE1), +BVTP	
53	4-874-614-02	SCREW (1) (3.5X14), TAPPING	
54	1-858-743-11	LOUDSPEAKER (25CM)	
55	4-424-243-01	CATCHER, RUBBER (14MM)	
56	1-839-682-11	CORD WITH CONNECTOR	
57	4-176-619-01	FOOT, RUBBER	
58	Y-8288-105-A	GABINETE MONTADO (SS-WGP8) ATC	

SE¢ë O 3
LISTA DE PE¢AS EL£TRICAS

SPK RGB LED

Note:

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  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
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  MX : Mexican model
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When indicating parts by reference number, please include the board name.

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

Ref. No.	Part No.	Description	Remark
		SPK RGB LED BOARD (SS-WGP8)	
		**********	
	Y-8288-030-A	PCI SPK RGB LED MONTADA (GPX8)	
		< CONNECTOR >	
* CN001	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D001	6-503-357-01	DI SMLV56RGB1U1	

****

MEMO

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2012.03	New