



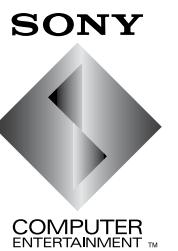
SCPH-50002, 50003, 50004

SCPH-50000 series

SERVICE MANUAL 2nd edition

for GH-023 BOARD (H-chassis)

PlayStation.2



**Sony Computer Entertainment Inc.
Customer Service Department**
Published in Japan © 2003. 06 9-927-099-02

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-sol-dered connections. Check the entire board surface for solder splashes and bridges.
 2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
 3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
 4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
 5. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
 6. Check the B+ voltage to see it is at the values specified.
 7. Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
- Check leakage as described below.

CAUTION:

The use of optical instrument with this product will increase eye hazard.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 25 cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

LEAKAGE TEST

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

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

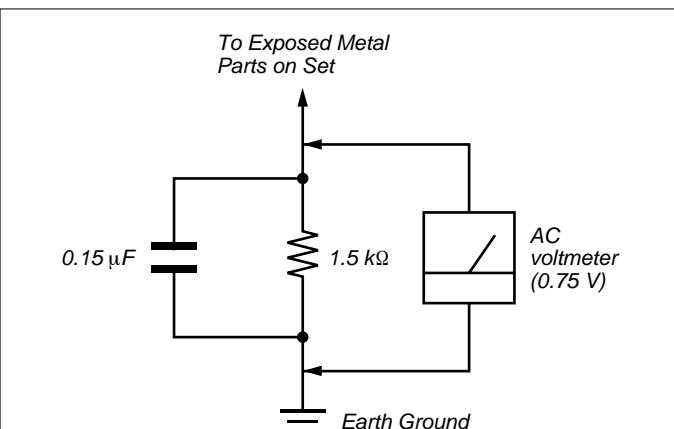
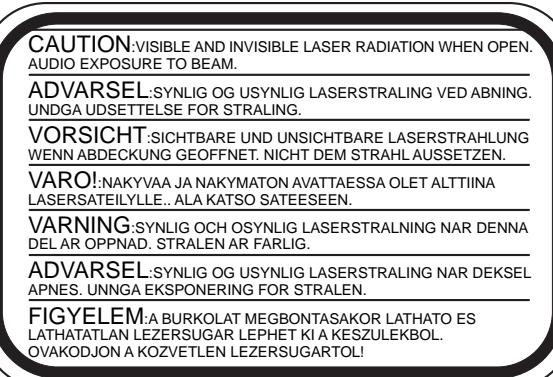


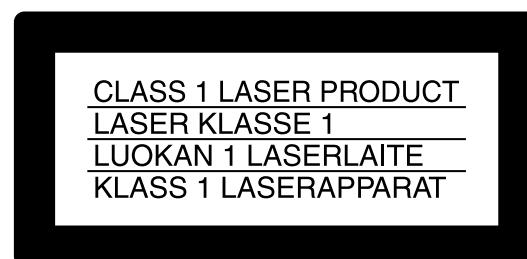
Fig. A. Using an AC voltmeter to check AC leakage.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD ROM Drive is harmful to eyes, do not attempt disassemble the cabinet. Refer servicing to qualified personnel only.



This label is located on the Laser protective housing inside the enclosure.



This appliance is classified as a CLASS 1 LASER product.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.

Discard used batteries according to the manufacturer's instructions.

Use of controls or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Lithium Batteries

If an equipment is provided with a replaceable lithium battery, the following applies:

- if the battery is placed in an OPERATOR ACCESS AREA, there shall be a warning close to the battery or in both the operating and the service instructions;
- if the battery is placed elsewhere in the equipment, there shall be a warning close to the battery or in the service instructions.

TABLE OF CONTENTS**1. CIRCUIT DIAGRAM**

1-1. GH-023 Board (1/8)	1-2
1-2. GH-023 Board (2/8)	1-3
1-3. GH-023 Board (3/8)	1-4
1-4. GH-023 Board (4/8)	1-5
1-5. GH-023 Board (5/8)	1-6
1-6. GH-023 Board (6/8)	1-7
1-7. GH-023 Board (7/8)	1-8
1-8. GH-023 Board (8/8)	1-9
1-9. SW-398 Board	1-10

2. PRINTED WIRING BOARDS

2-1. GH-023 Board (Side A)	2-1
2-2. GH-023 Board (Side B)	2-2
2-3. SW-398 Board	2-3

3. EXPLODED VIEWS

3-1. Cover Section	3-1
3-2. Boards Section	3-2
3-3. MD Block Section	3-3

4. ELECTRICAL PARTS LIST 4-1

SECTION 1
CIRCUIT DIAGRAM**Note on Schematic Diagram:**

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

Note:

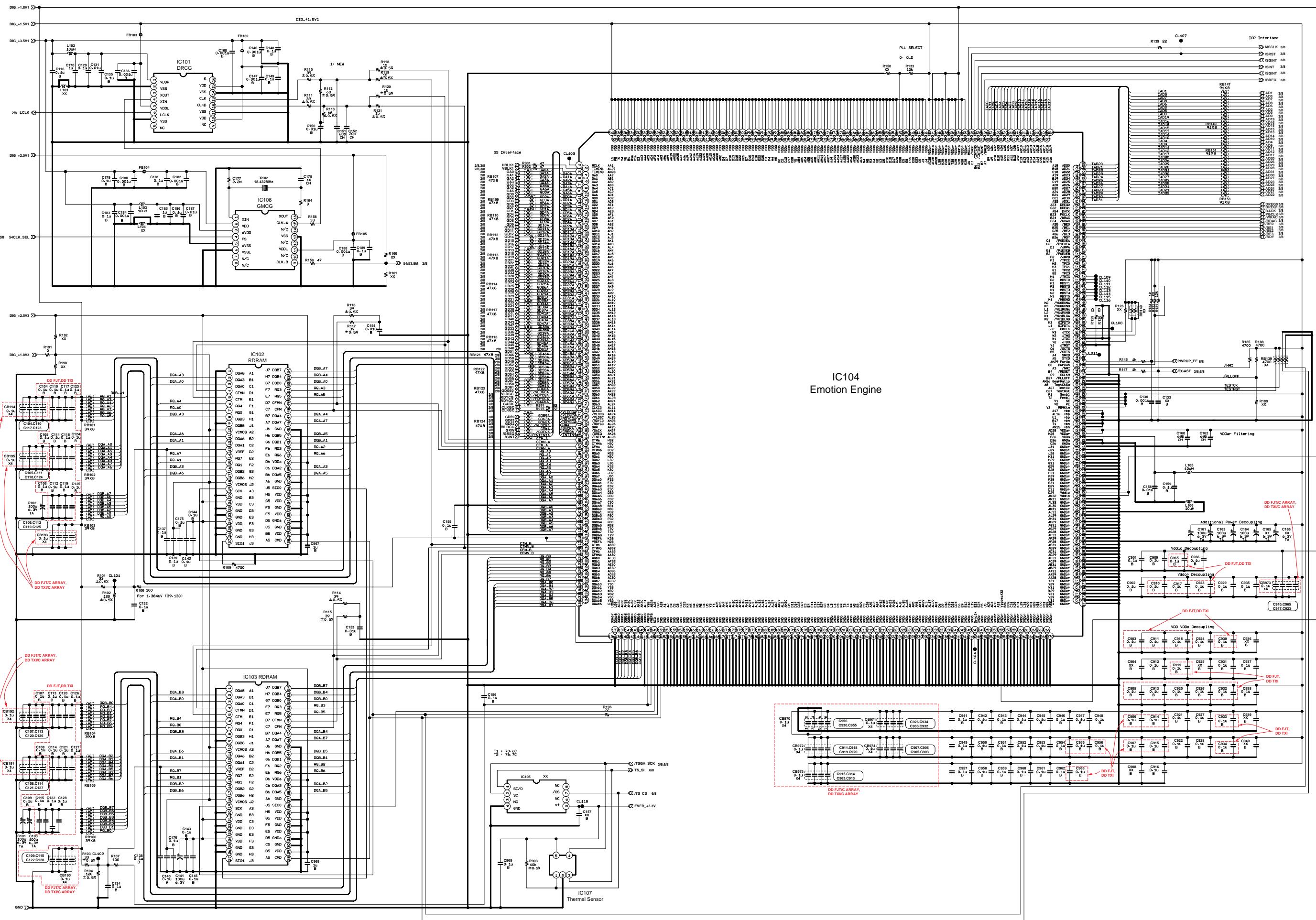
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

Note:

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

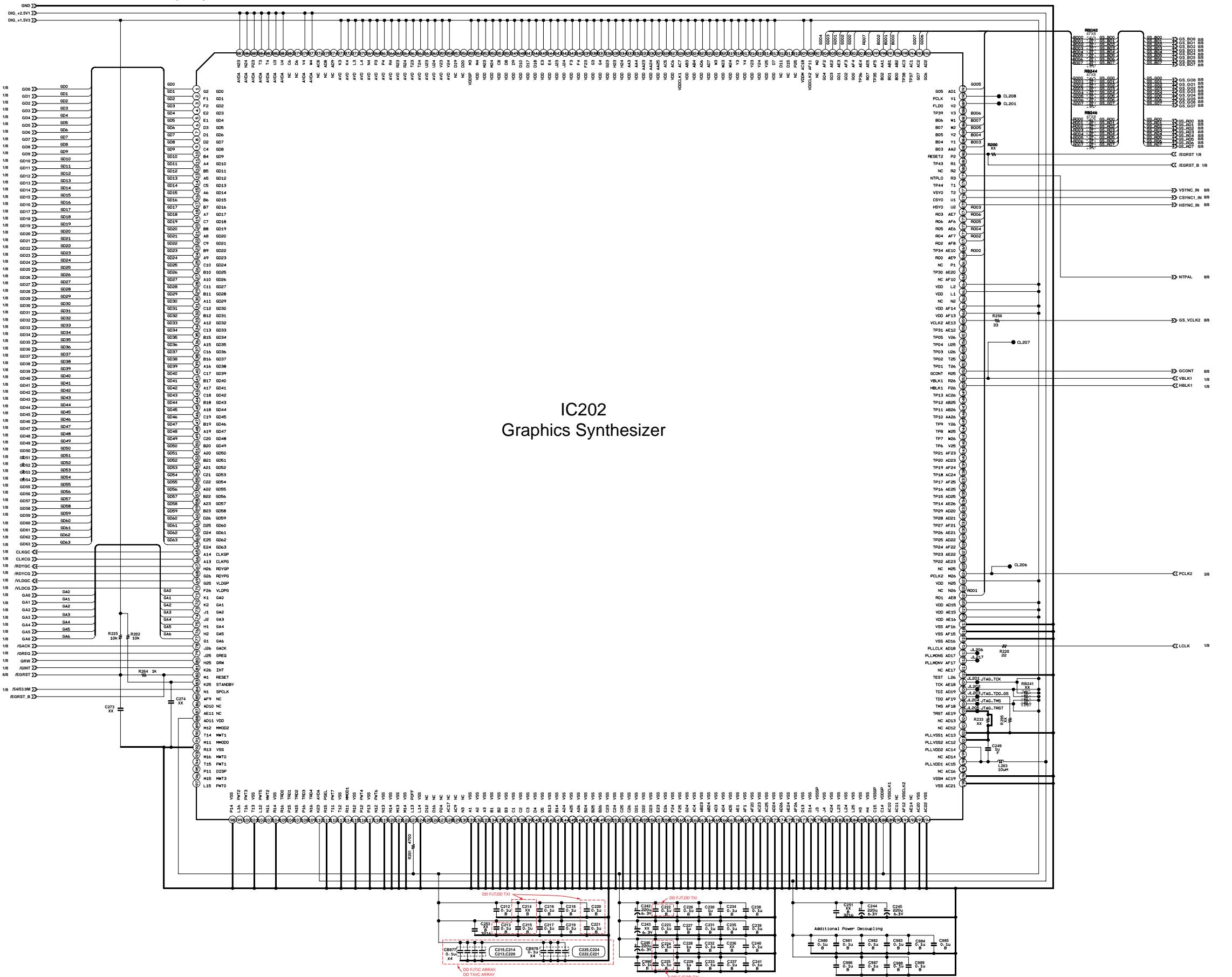
1-1. GH-023 BOARD (1/8)

GH-023 BOARD (1/8)



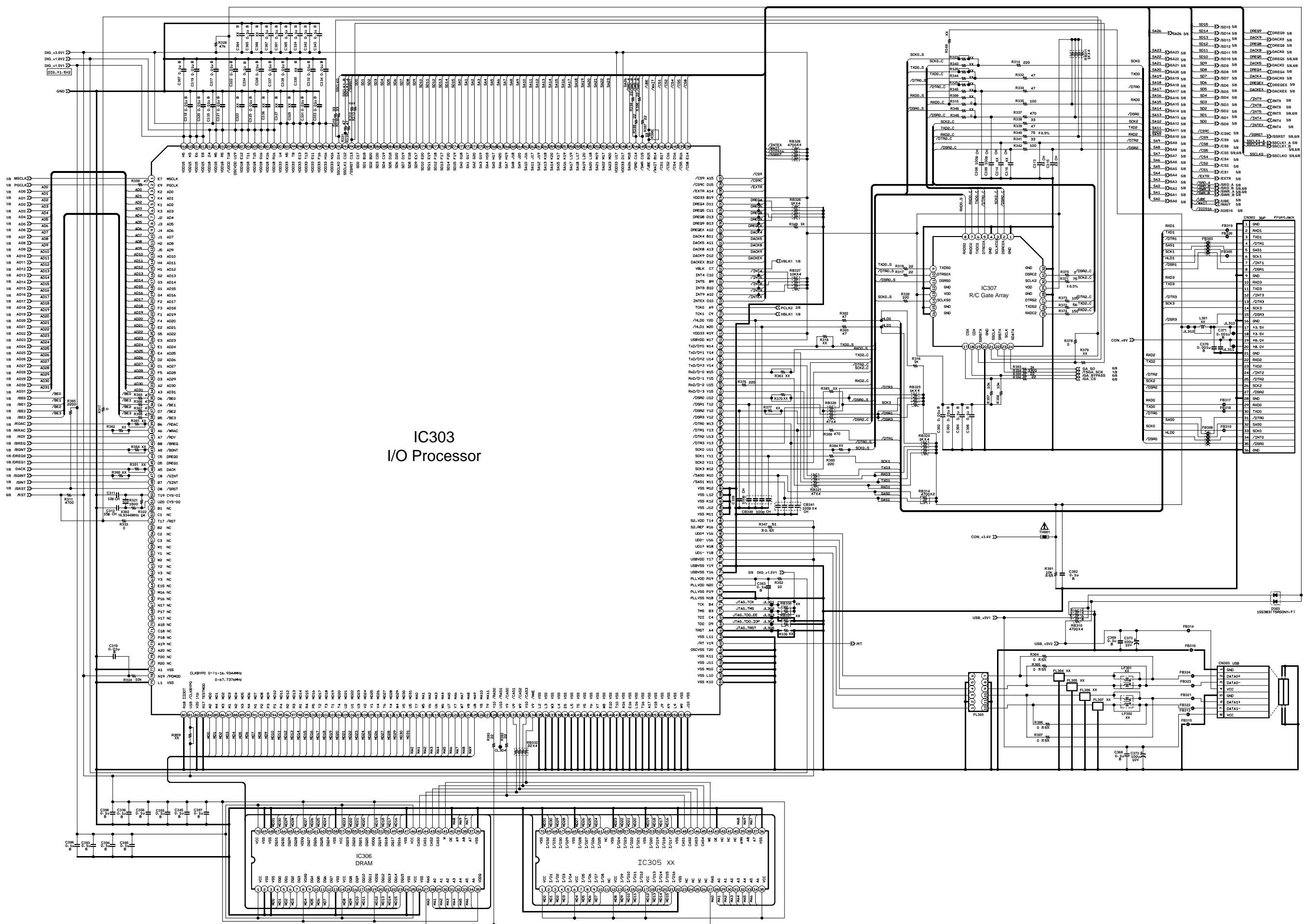
1-2. GH-023 BOARD (2/8)

GH-023 BOARD (2/8)



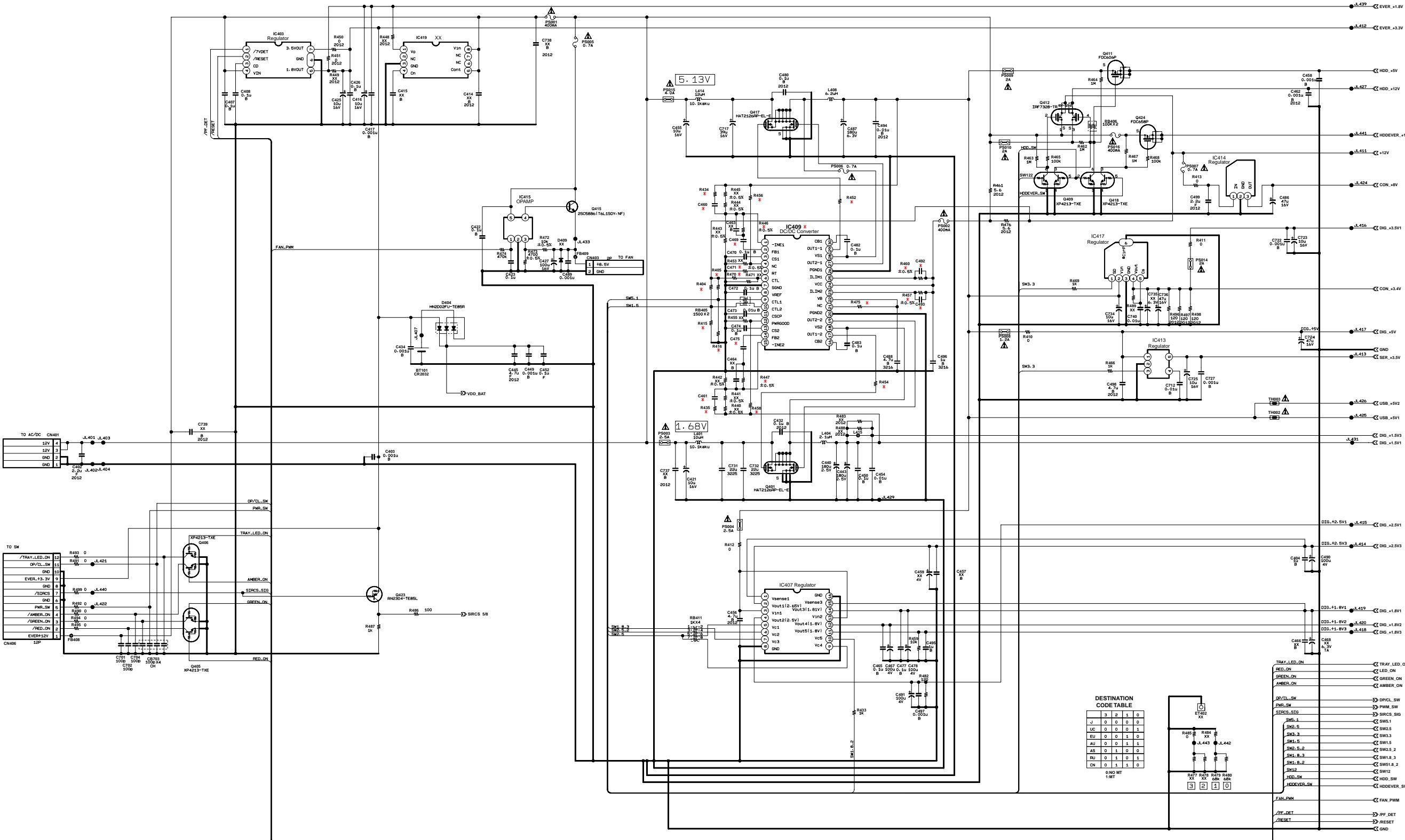
1-3. GH-023 BOARD (3/8)

GH-023 BOARD (3/8)



1-4. GH-023 BOARD (4/8)

GH-023 BOARD (4/8)



*	IC409	R404	R405	R415	R416	R417	R434	R435	R446	R447	R452	R454	R456	R457	R458	R460	R470	R475	C475	C492	C493	C460	C461	C469	C471
DD FJT,DD FJT/C ARRAY	MB39A109PFT	XX	3300	470	0	0	0	0	2700	0	6800	0	XX	0.47u	XX	XX	XX	0.47u	47K						

ICLINK PS001, 002, 013, 016:FCC16 401 AD or TF16SN 0.40 or ERBFE0R40S

PS003, 004:CCP2E63

PS005, 006, 007:FCC16 701 AD or TF16SN 0.70 or ERBFE0R70S

PS008, 012:CCP2E30 or ICP-S1.2

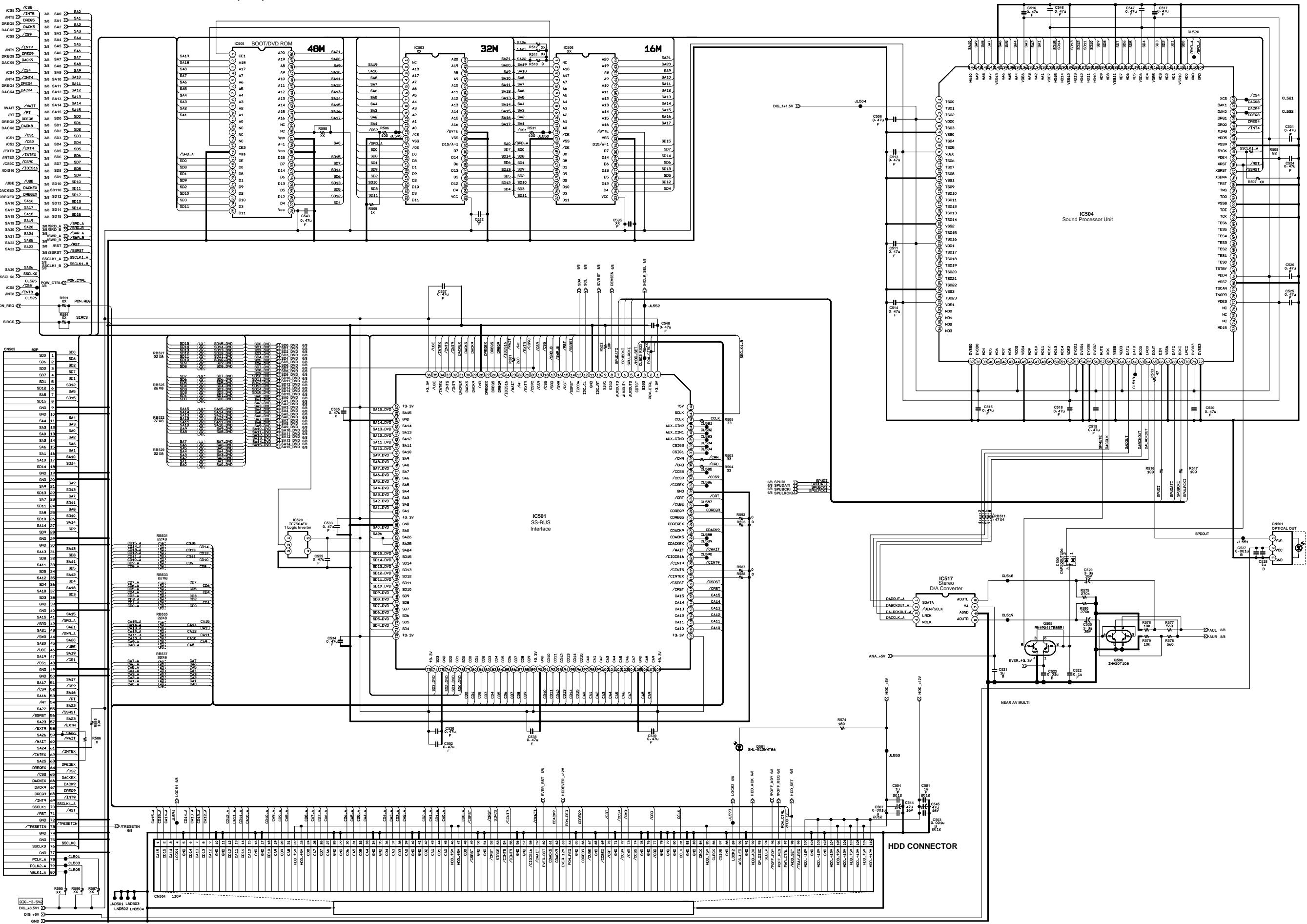
PS009, 010, 011, 014:CCP2E50 or ICP-S2.3

PS015:CCP2E100 or FHC32 502 AD

THERMISTER TH001, 002, 003:minisMDC100 or 1812L110PRT

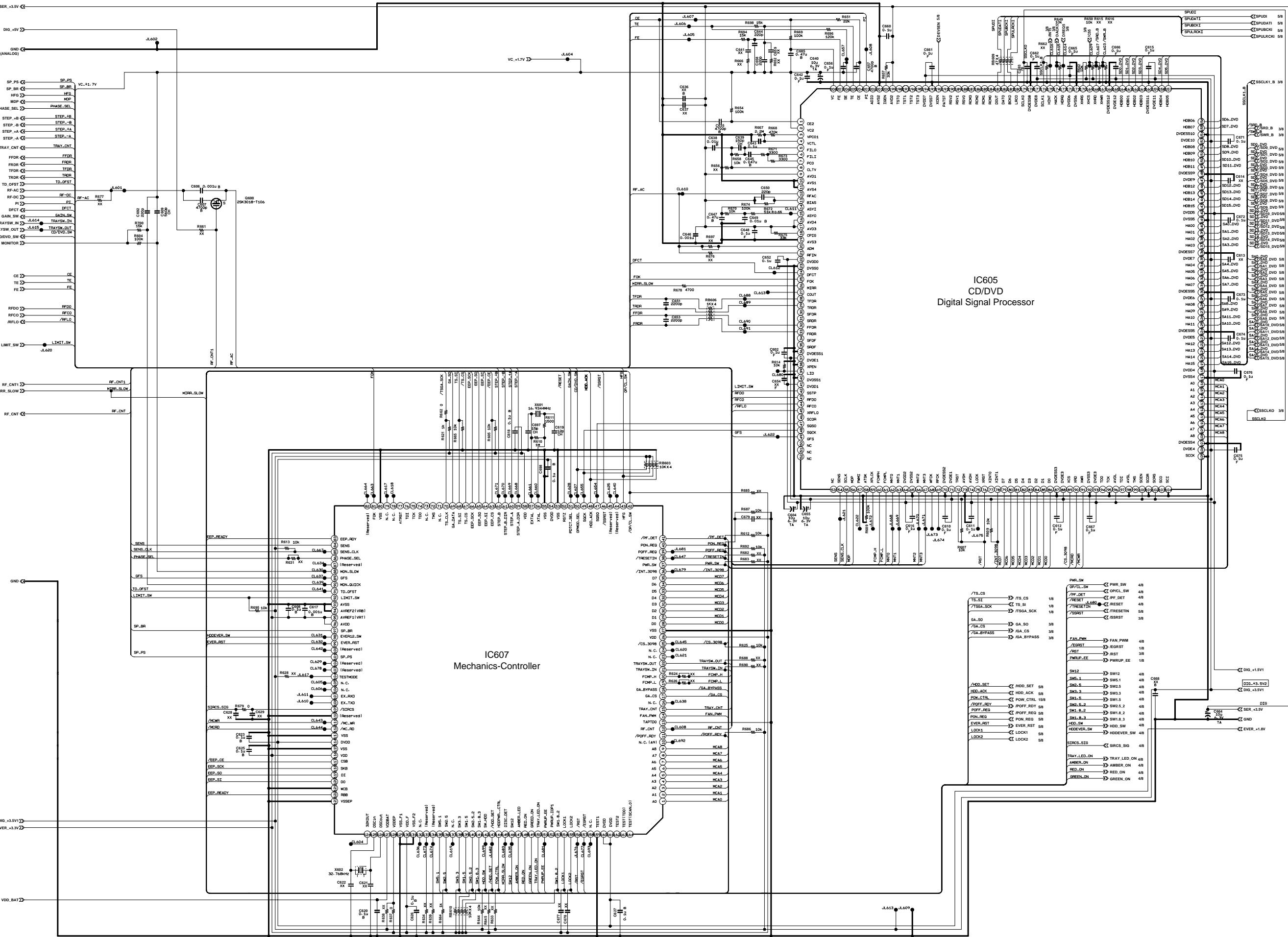
1-5. GH-023 BOARD (5/8)

GH-023 BOARD (5/8)



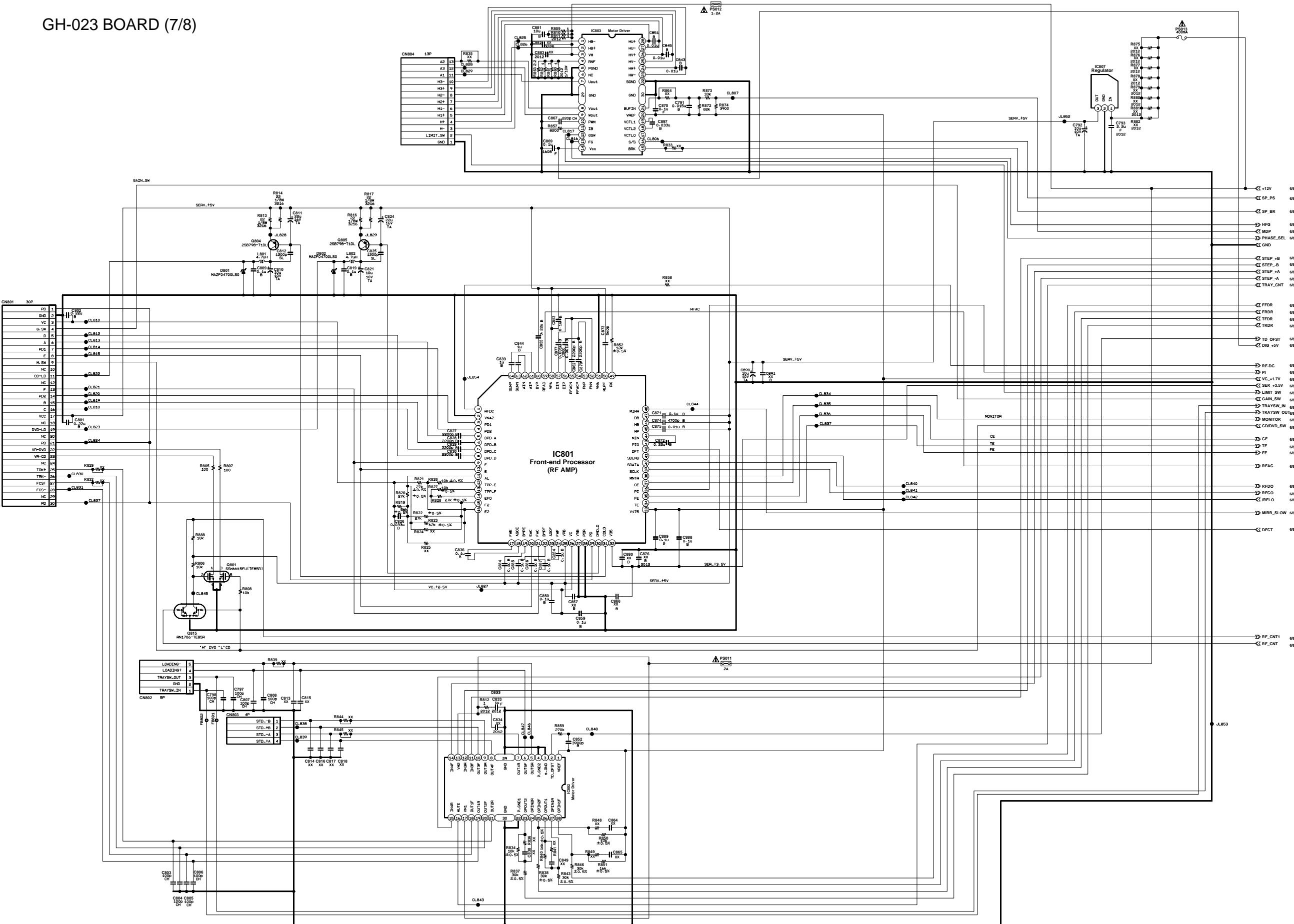
1-6. GH-023 BOARD (6/8)

GH-023 BOARD (6/8)



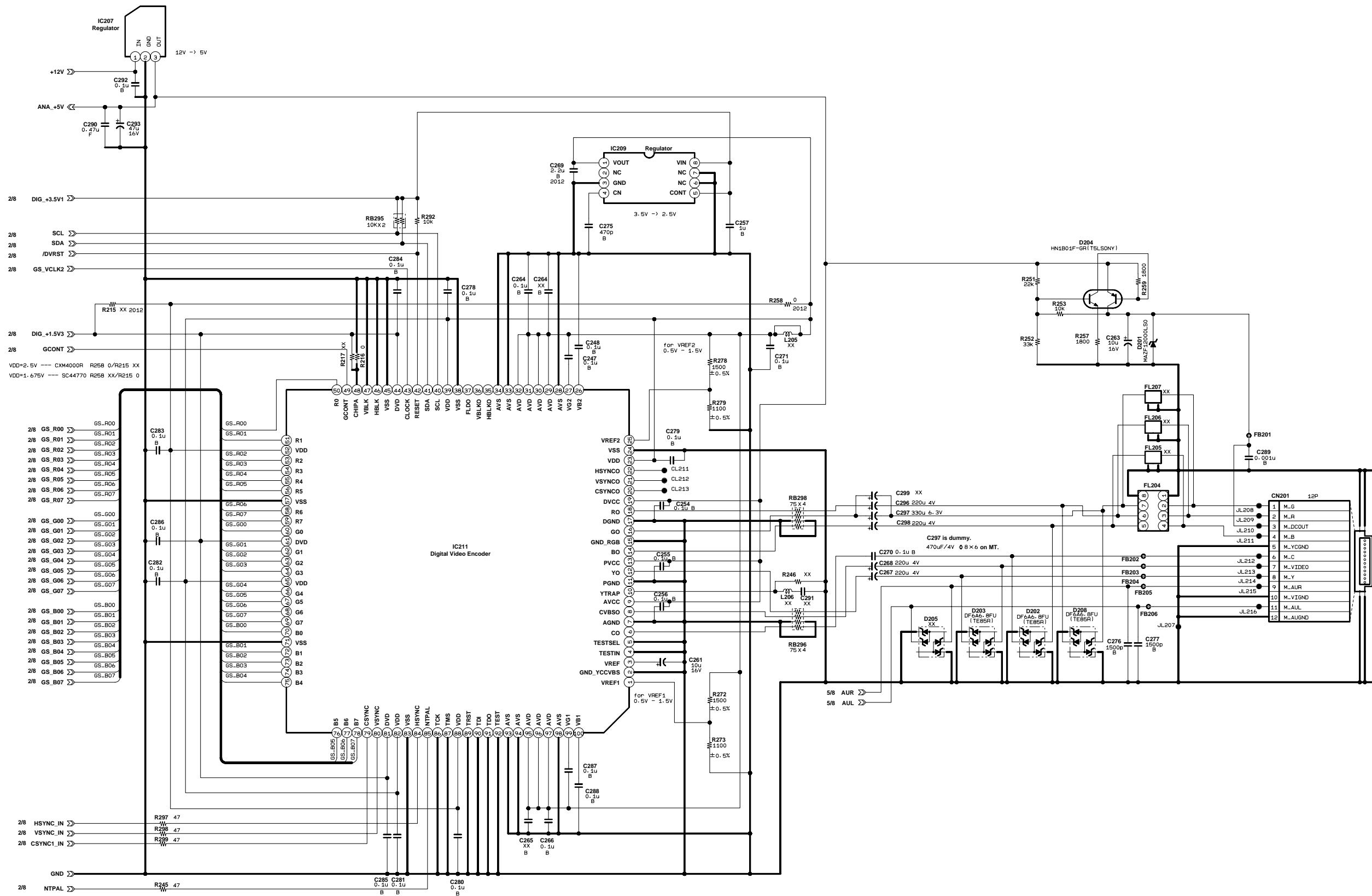
1-7. GH-023 BOARD (7/8)

GH-023 BOARD (7/8)



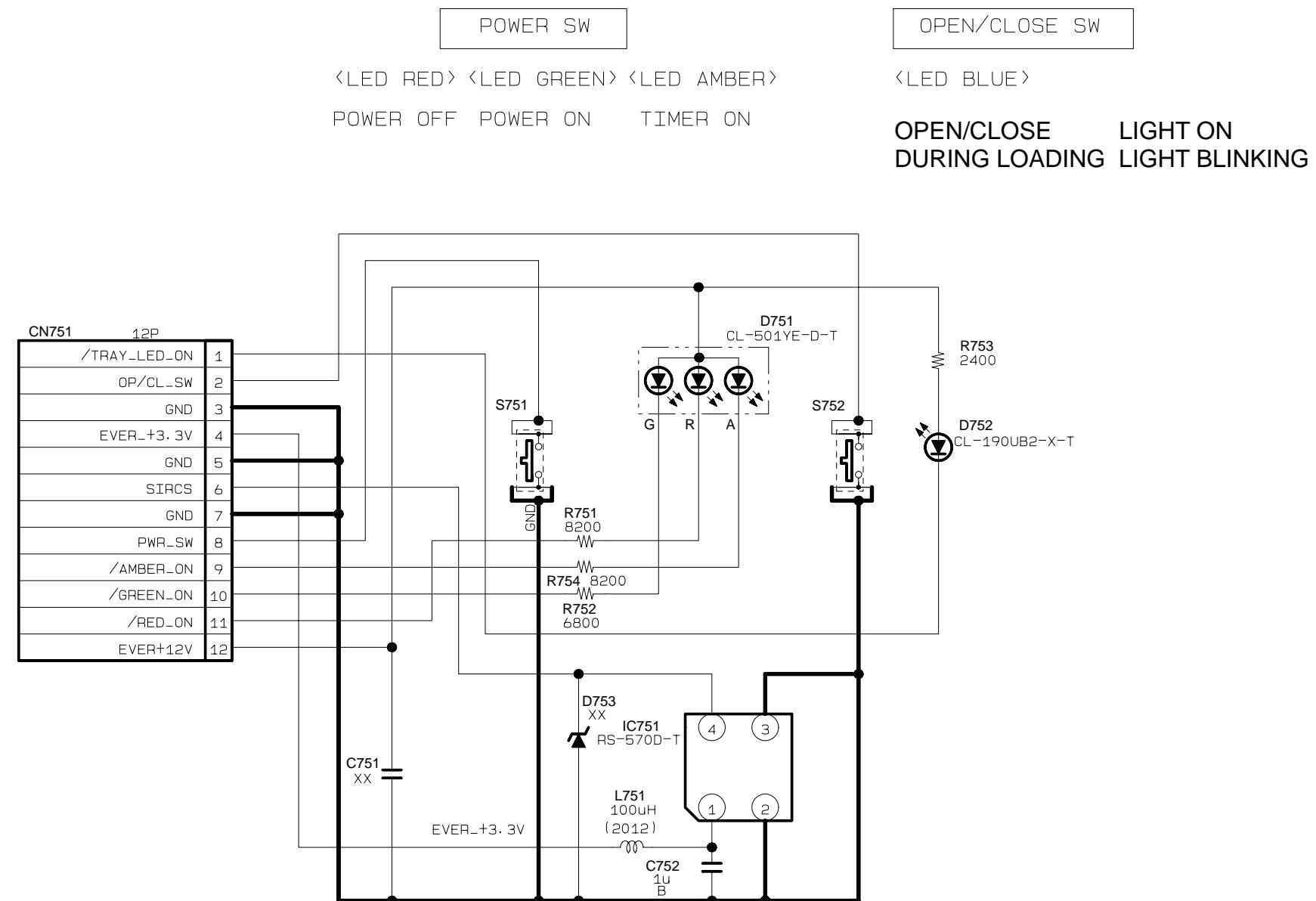
1-8. GH-023 BOARD (8/8)

GH-023 BOARD (8/8)



1-9. SW-398 BOARD

SW-398 BOARD

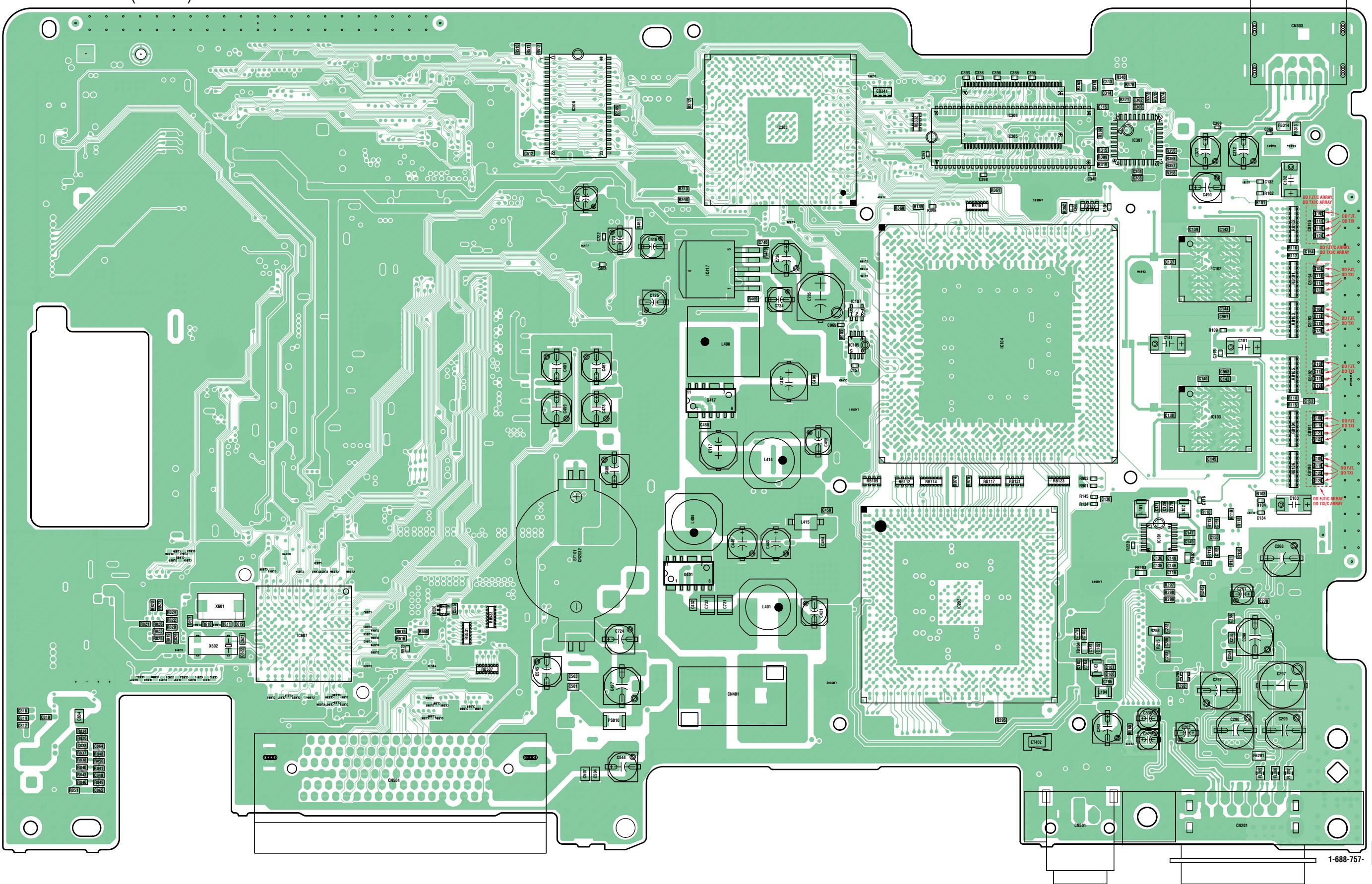


SECTION 2

PRINTED WIRING BOARDS

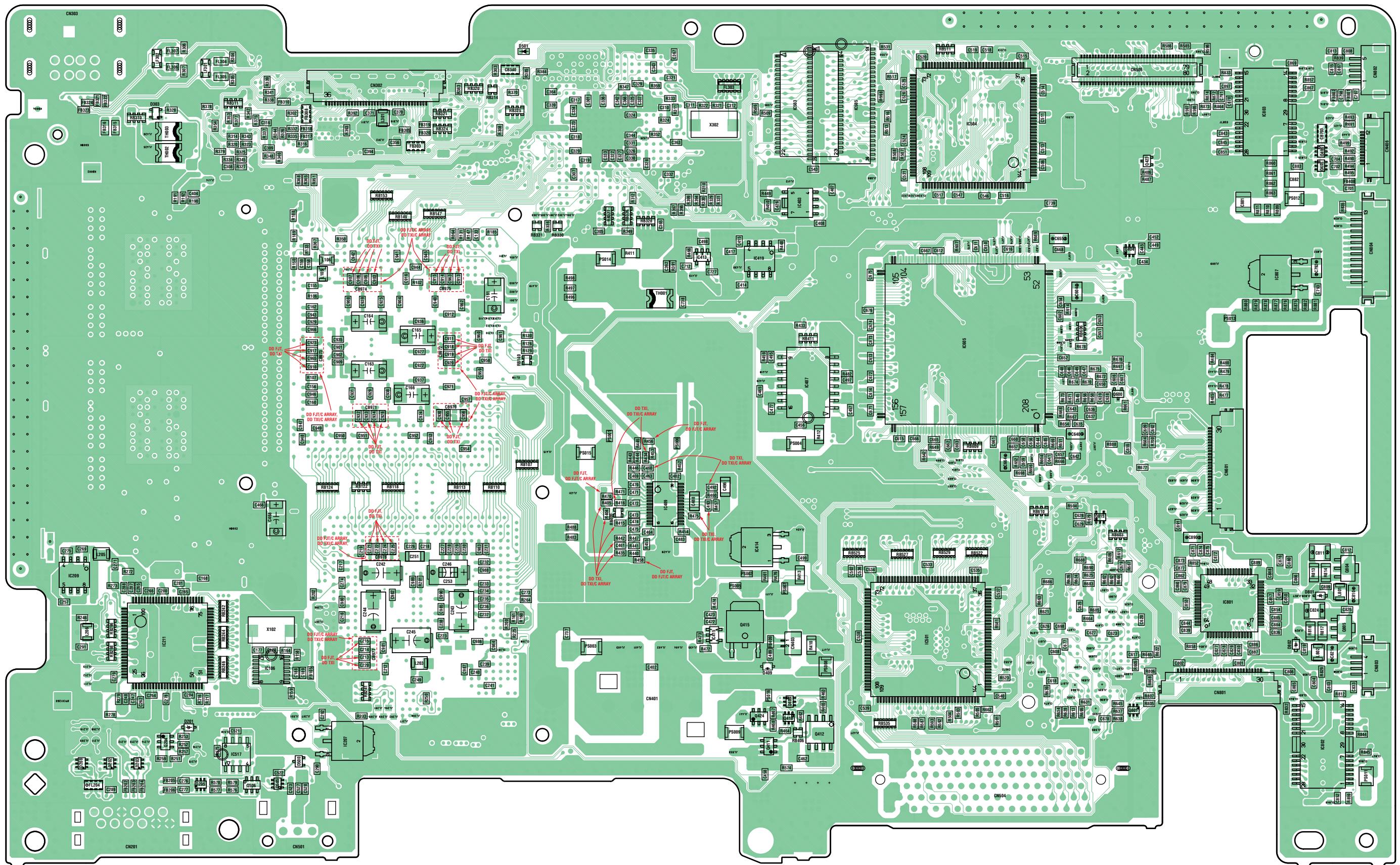
2-1. GH-023 BOARD (SIDE A)

GH-023 BOARD (SIDE A)



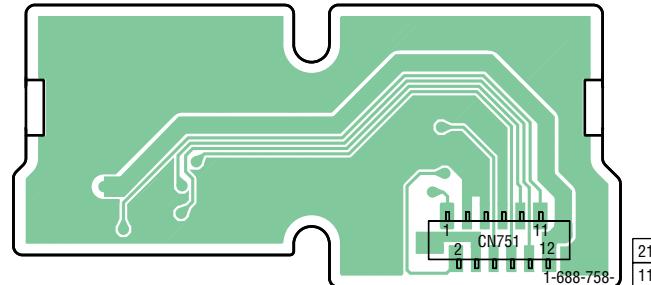
2-2. GH-023 BOARD (SIDE B)

GH-023 BOARD (SIDE B)

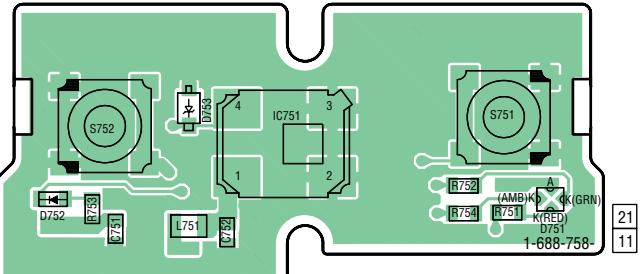


2-3. SW-398 BOARD

SW-398 BOARD (SIDE A)



SW-398 BOARD (SIDE B)

**Note on Printed Wiring Boards:**

- : Pattern from the side which enables seeing.
(The other layer's patterns are not indicated.)

Caution:

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

Parts face side: Parts on the parts face side seen
(Side A) from the parts face are indicated.

SECTION 3 EXPLODED VIEWS

NOTE:

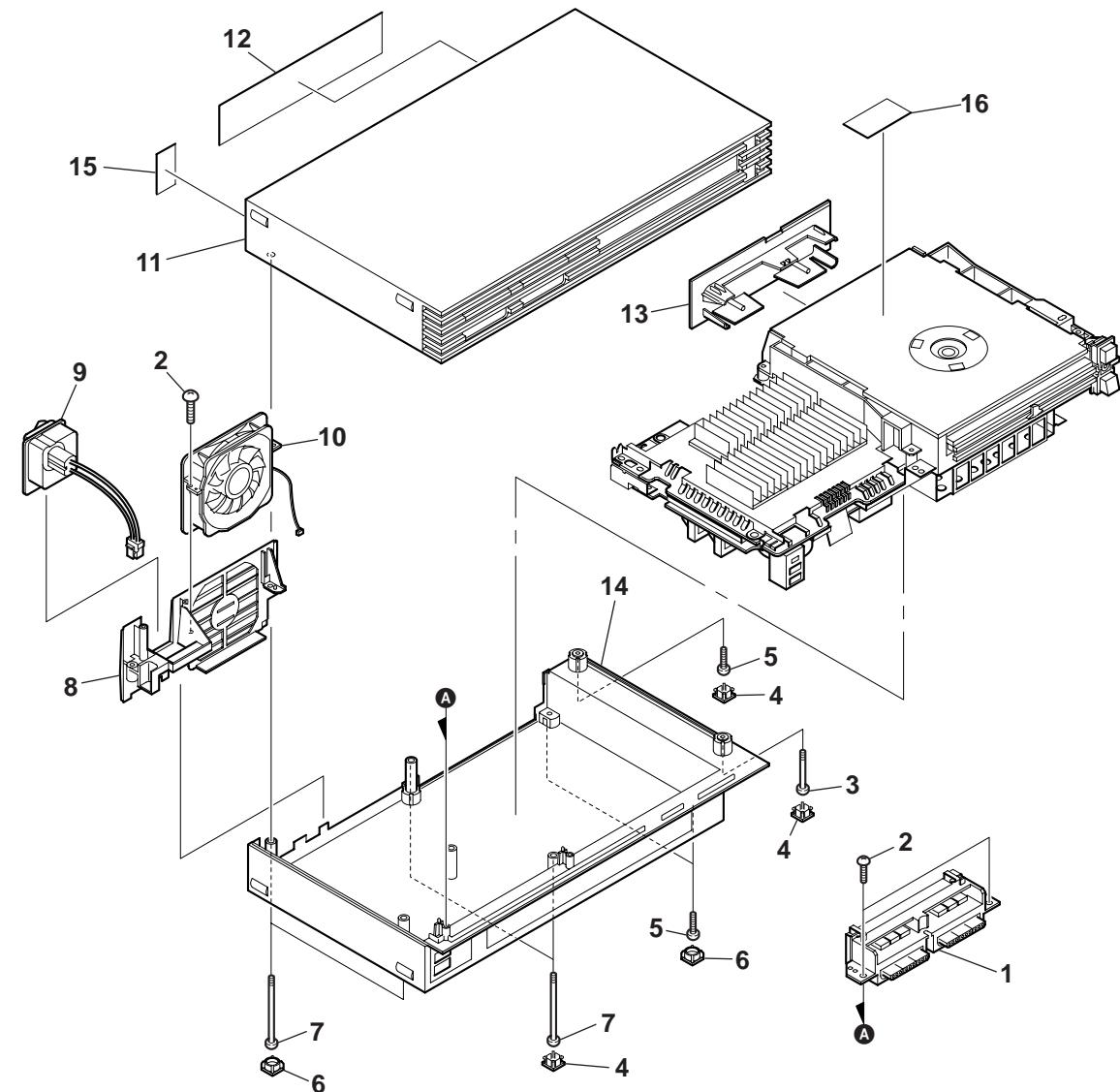
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of this parts list.

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

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

NOTE:
• SC Classification:
S : Supplied parts U : Unsupplied parts

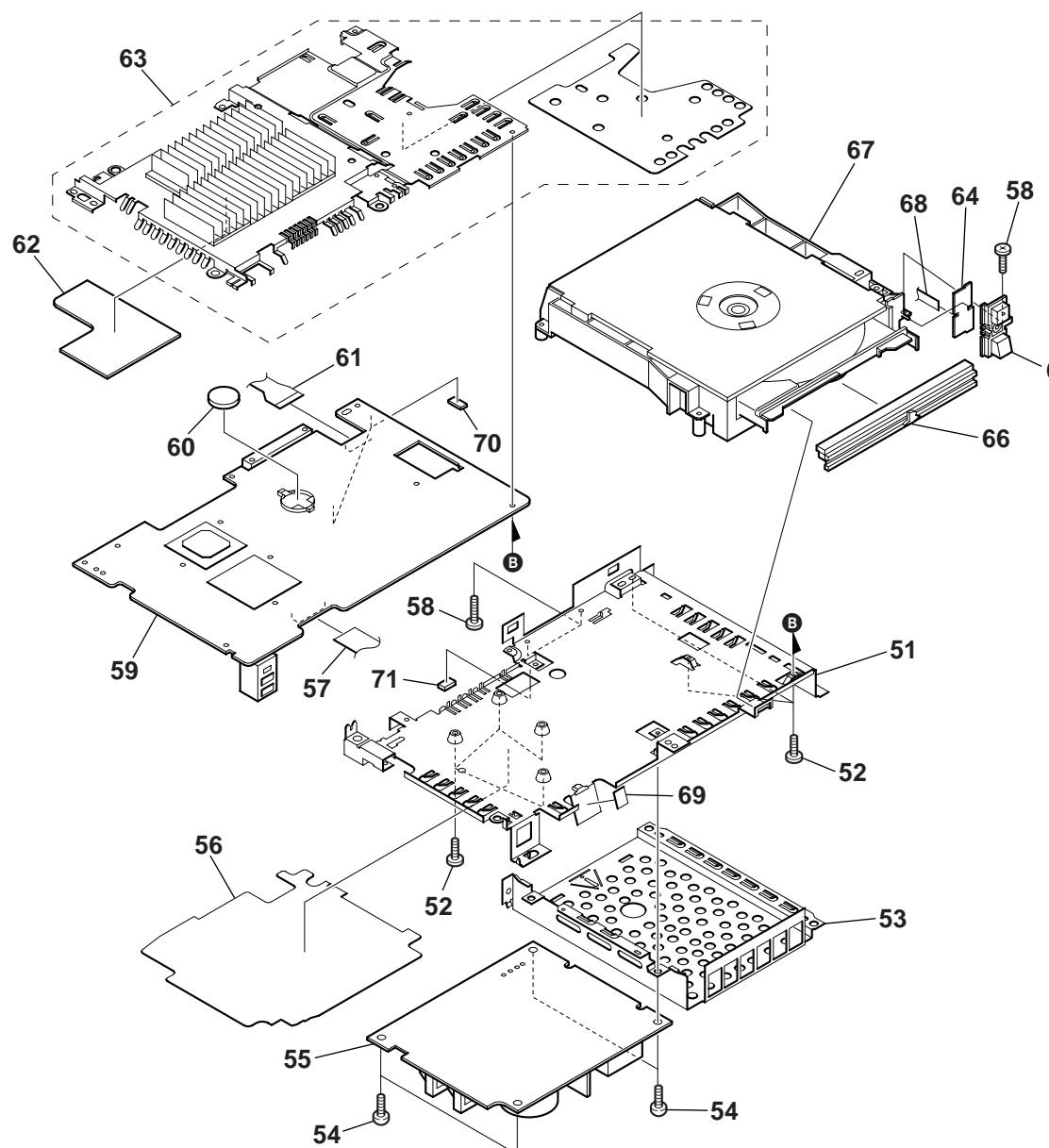
CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark
ACCESSORIES & PACKING MATERIALS									

S Δ	1-555-074-51	CORD, POWER (50002A/50002F)			S	1	1-694-875-13	TERMINAL BOARD (FRONT)	
S Δ	1-575-131-82	CORD, POWER (50004A/50004F)			S	2	3-074-555-11	SCREW, +BV TAPPING	
S Δ	1-770-783-21	CONNECTOR, CONVERSION (50003A/50003F/50004A/50004F)			S	3	3-084-521-01	SCREW (M3X27), TAPPING	
S	1-792-028-22	CORD, CONNECTION (AV CABLE)			S	4	3-074-548-01	COVER, SCREW	
S	1-823-552-12	CORD, CONNECTION (ANALOG CONTROLLER)			S	5	3-074-555-01	SCREW, +BV TAPPING	
S Δ	1-824-364-11	CORD, POWER (50003A/50003F)			S	6	3-074-549-01	CAP	
S	3-054-064-11	BAG, POLYETHYLENE			S	7	3-074-556-01	SCREW, BRAZIER HEAD P TIGHT	
S	3-054-064-21	BAG, POLYETHYLENE (50002F/50003F/50004F)			S	8	3-084-506-01	PANEL (H), REAR	
S	3-066-614-01	SEAL (50002F/50003F/50004F)			S Δ	9	1-786-345-51	SWITCH, POWER (WITH AC INLET)	
S	3-072-422-01	CUSHION (R), PULP			S	10	1-787-009-11	FAN, D.C.	
S	3-072-423-01	CUSHION (L), PULP			S	11	X-3953-585-1	COVER (H) ASSY, UPPER	
S	3-073-543-11	DISK, DEMONSTRATION			S	12	3-084-635-01	LABEL, MODEL NUMBER (50004F)	
S	3-075-732-01	PAT, TOGETHER PACKING (50003A/50003F/50004A/50004F)			S	12	3-084-636-01	LABEL, MODEL NUMBER (50004A)	
S	3-075-767-01	SEAL (50002A/50003A/50004A)			S	12	3-084-637-01	LABEL, MODEL NUMBER (50003F)	
S	3-076-746-01	SHIRT, PROTECTION			S	12	3-084-638-01	LABEL, MODEL NUMBER (50003A)	
S	3-076-753-01	BAG (PLAYBACK MATERIAL)			S	12	3-084-654-01	LABEL, MODEL NUMBER (50002A)	
S	3-084-419-21	MANUAL, INSTRUCTION (50002A)			S	12	3-084-655-01	LABEL, MODEL NUMBER (50002F)	
S	3-084-419-31	MANUAL, INSTRUCTION (50003A)			S	13	3-074-550-01	LID	
S	3-084-419-41	MANUAL, INSTRUCTION (50004A)			S	14	X-3953-586-1	COVER (H) ASSY, LOWER	
S	3-084-419-51	MANUAL, INSTRUCTION (50004A)			S	15	3-075-899-01	TAPE, VOID	
S	3-084-420-21	MANUAL, INSTRUCTION (50002F)			S	16	3-075-804-01	LABEL, LASER CAUTION	
S	3-084-420-31	MANUAL, INSTRUCTION (50003F)							
S	3-084-420-41	MANUAL, INSTRUCTION (50004F)							
S	3-084-420-51	MANUAL, INSTRUCTION (50004F)							
S	3-084-649-01	CARTON, INDIVIDUAL (50003A/50003F)							
S	3-084-650-01	MASTER CARTON, 3 SETS (50003A,50003F)							
S	3-084-651-01	CARTON, INDIVIDUAL (50002A/50002F)							
S	3-084-652-01	MASTER CARTON, 3 SETS (50002A,50002F)							
S	3-084-656-01	CARTON, INDIVIDUAL (50004A/50004F)							
S	3-084-657-01	MASTER CARTON, 3 SETS (50004A,50004F)							
S	3-084-851-01	CARD (A), OWNER REGISTRATION (50002F)							
S	3-084-852-01	CARD (B), OWNER REGISTRATION (50003F)							
S	3-084-853-01	CARD (C), OWNER REGISTRATION (50004F)							
S	3-084-854-01	CARD (A), OWNER REGISTRATION (50002A)							
S	3-084-855-01	CARD (B), OWNER REGISTRATION (50003A)							
S	3-084-856-01	CARD (C), OWNER REGISTRATION (50004A)							
	3-987-483-11	TAPE, BERODDED PREVENTION							

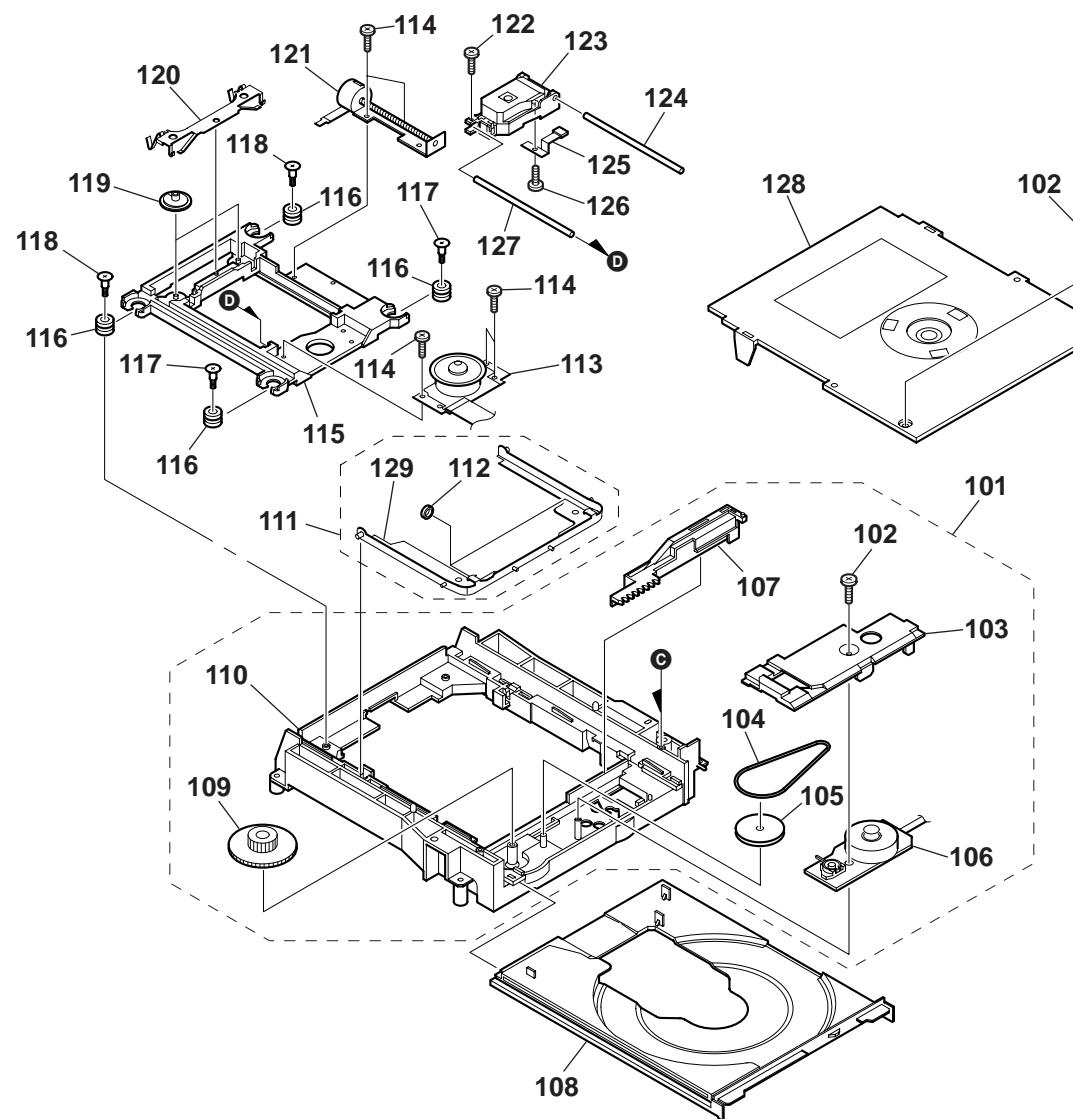
3-2. BOARDS SECTION



SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark
U	51	3-084-514-01	SHIELD (B) (H)		S	60	1-528-174-51	BATTERY, LITHIUM (CR2032 TYPE)	
S	52	3-074-552-01	O PLATE 2 MAIN 2X5 S TITE		S	61	1-680-370-23	FLEXIBLE BOARD	
U	53	3-084-513-01	SHIELD (HDD) (H)		S	62	3-080-293-01	SHEET (A), ELECTRIC HEAT	
S	54	3-074-553-01	TITE (CZN), M3X6 +BV S		U	63	X-3953-588-1	SHIELD (A) (H) ASSY	
S▲	55	1-468-758-21	POWER BLOCK (SWITCHING REGULATOR)		S	64	A-6800-233-A	SW-398 BOARD, COMPLETE	
S	56	3-084-519-01	SHEET (H), INSULATING		S	65	3-084-509-01	BUTTON (H), SWITCH	
S	57	1-757-934-11	CABLE, FLEXIBLE FLAT (FFC-011)		S	66	X-3953-587-1	PLATE (H) ASSY, ORNAMENTAL	
S	58	3-084-520-01	SCREW (B2X6.5B), TAPPING		S	67	A-6800-396-A	MD BLOCK ASSY (50002F/50003F/50004F)	
S▲	59	J-2504-233-A	GH-023 BOARD, COMPLETE (50002:DD FJT)		S	67	A-6800-397-A	MD BLOCK ASSY (50002A/50003A/50004A)	
S▲	59	J-2504-234-A	GH-023 BOARD, COMPLETE (50002:DD TXI)		S	68	1-827-150-11	CABLE, FLEXIBLE FLAT (FFC-019)	
S▲	59	J-2504-235-A	GH-023 BOARD, COMPLETE (50002:DD FJT/C ARRAY)		S	69	3-085-800-01	SHEET (H), FERRITE	
S▲	59	J-2504-236-A	GH-023 BOARD, COMPLETE (50002:DD TXI/C ARRAY)		S	70	3-080-294-01	SHEET (DRIVER), ELECTRIC HEAT	
S▲	59	J-2504-237-A	GH-023 BOARD, COMPLETE (50003:DD FJT)		S	71	3-074-560-01	TAPE, HARNESS STOPPER	
S▲	59	J-2504-238-A	GH-023 BOARD, COMPLETE (50003:DD TXI)						
S▲	59	J-2504-239-A	GH-023 BOARD, COMPLETE (50003:DD FJT/C ARRAY)						
S▲	59	J-2504-240-A	GH-023 BOARD, COMPLETE (50003:DD TXI/C ARRAY)						
S▲	59	J-2504-241-A	GH-023 BOARD, COMPLETE (50004:DD FJT)						
S▲	59	J-2504-242-A	GH-023 BOARD, COMPLETE (50004:DD TXI)						
S▲	59	J-2504-243-A	GH-023 BOARD, COMPLETE (50004:DD FJT/C ARRAY)						
S▲	59	J-2504-244-A	GH-023 BOARD, COMPLETE (50004:DD TXI/C ARRAY)						

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

3-3. MD BLOCK SECTION



SECTION 4

ELECTRICAL PARTS LIST

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

• RESISTORS

METAL: Metal-film resistor.

F: nonflammable

• SEMICONDUCTORS

In each case, u : μ , for example:

uA.. : μ A.. uPA.. : μ PA..

uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..

- CAPACITORS
- uF : μ F
- COILS
- uH : μ H

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

- NOTE:**
- SC Classification:
 - S : Supplied parts
 - U : Unsupplied parts

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

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

SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark
U	C148	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	U	C233	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C149	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	U	C234	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C150	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	U	C235	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C151	1-164-160-11	CERAMIC CHIP	20PF 5% 50V	U	C237	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C152	1-164-160-11	CERAMIC CHIP	20PF 5% 50V	U	C238	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C153	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	U	C239	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C154	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	U	C240	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C155	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	U	C241	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C156	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	U	C242	1-135-609-91	TANTAL. CHIP	220uF 20% 6.3V
U	C158	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	U	C244	1-135-609-91	TANTAL. CHIP	220uF 20% 6.3V
U	C159	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	U	C245	1-135-609-91	TANTAL. CHIP	220uF 20% 6.3V
U	C160	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	U	C246	1-135-609-91	TANTAL. CHIP	220uF 20% 6.3V
U	C161	1-111-253-11	TANTAL. CHIP	100uF 20% 6.3V	U	C247	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C162	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	U	C248	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
U	C163	1-111-253-11	TANTAL. CHIP	100uF 20% 6.3V	U	C249	1-115-156-11	CERAMIC CHIP	1uF 10V
SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark
S \triangle	J-2504-233-A	GH-023 BOARD, COMPLETE (50002:DD FJT)	U	C114 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C164	1-111-253-11 TANTAL. CHIP 100uF 20% 6.3V	U	C254 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	J-2504-234-A	GH-023 BOARD, COMPLETE (50002:DD TXI)	U	C115 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C168	1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C255 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	J-2504-235-A	GH-023 BOARD, COMPLETE (50002:DD FJT/C ARRAY)	U	C116 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C170	1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V	U	C256 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	J-2504-236-A	GH-023 BOARD, COMPLETE (50002:DD TXI/C ARRAY)	U	C117 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C175	1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	U	C257 1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V
S \triangle	J-2504-237-A	GH-023 BOARD, COMPLETE (50003:DD FJT)	U	C118 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C176	1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	U	C261 1-128-004-11 ELECT CHIP 10uF 20%
S \triangle	J-2504-238-A	GH-023 BOARD, COMPLETE (50003:DD TXI)	U	C119 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C177	1-216-861-11 METAL CHIP 2.2M 5% 1/10W	U	C263 1-128-004-11 ELECT CHIP 10uF 20%
S \triangle	J-2504-239-A	GH-023 BOARD, COMPLETE (50003:DD FJT/C ARRAY)	U	C120 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C179	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C264 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	J-2504-240-A	GH-023 BOARD, COMPLETE (50003:DD TXI/C ARRAY)	U	C121 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C180	1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C266 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	J-2504-241-A	GH-023 BOARD, COMPLETE (50004:DD FJT)	U	C122 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C181	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C267 1-126-246-11 ELECT CHIP 220uF 20%
S \triangle	J-2504-242-A	GH-023 BOARD, COMPLETE (50004:DD TXI)	U	C123 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C182	1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C268 1-126-246-11 ELECT CHIP 220uF 20%
S \triangle	J-2504-243-A	GH-023 BOARD, COMPLETE (50004:DD FJT/C ARRAY)	U	C124 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C183	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C269 1-125-838-11 CERAMIC CHIP 2.2uF 10% 6.3V
S \triangle	J-2504-244-A	GH-023 BOARD, COMPLETE (50004:DD TXI/C ARRAY)	U	C125 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C184	1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C270 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	*****	< BATTERY HOLDER >	U	C126 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C185	1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V	U	C271 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
S \triangle	BT101	1-756-076-21 HOLDER, LITHIUM BATTERY (CR2032 TYPE)	U	C127 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C186	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C275 1-162-962-11 CERAMIC CHIP 470PF 10% 50V
S	BT101	< CAPACITOR >	U	C128 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C187	1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V	U	C276 1-162-965-11 CERAMIC CHIP 0.0015uF 10% 50V
U	C101	1-111-253-11 TANTAL. CHIP 100uF 20% 6.3V	U	C129 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C188	1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C277 1-162-965-11 CERAMIC CHIP 0.0015uF 10% 50V
U	C102	1-111-253-11 TANTAL. CHIP 100uF 20% 6.3V	U	C130 1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C189	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C278 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C103	1-111-253-11 TANTAL. CHIP 100uF 20% 6.3V	U	C131 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V	U	C212	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C279 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C104	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C132 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	U	C213	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C280 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C105	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C133 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	U	C221	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C281 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C106	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C134 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	U	C222	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C282 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C107	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C135 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C223	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C283 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C108	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C136 1-162-964-11 CERAMIC CHIP 0.001uF 10% 50V	U	C224	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C284 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U	C109	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C137 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C225	1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V	U	C285 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V
U									

SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark				
U	C310	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C449	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	U	C515	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C646	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
U	C311	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	U	C450	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C516	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C647	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V	
U	C312	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	U	C452	1-164-156-11	CERAMIC CHIP	0.1uF		25V	U	C517	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C648	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
U	C317	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C454	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C518	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C649	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
U	C318	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C455	1-124-779-00	ELECT CHIP	10uF	20%	16V	U	C519	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C650	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
U	C319	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C456	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	U	C520	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C651	1-162-966-11	CERAMIC CHIP	0.002uF	10%	50V	
U	C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C458	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	U	C521	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	U	C652	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
U	C321	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C460	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	U	C522	1-164-156-11	CERAMIC CHIP	0.1uF		25V	U	C653	1-162-966-11	CERAMIC CHIP	0.002uF	10%	50V
U	C322	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V					(DD TXI, DD TXI/C ARRAY)			U	C523	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C655	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
U	C324	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C461	1-164-733-11	CERAMIC CHIP	820PF	10%	50V	U	C524	1-113-619-11	CERAMIC CHIP	0.47uF	10V	U	C656	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
U	C325	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C462	1-163-009-91	CERAMIC CHIP	0.001uF	10%	50V	U	C525	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C657	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
U	C326	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C465	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C526	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C658	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
U	C328	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C467	1-126-209-11	ELECT CHIP	100uF	20%	4V	U	C527	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	U	C660	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
U	C331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C469	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V	U	C528	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	U	C661	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C332	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V					(DD FJT, DD FJT/C ARRAY)			U	C529	1-128-008-11	ELECT CHIP	3.3uF	20%	35V	U	C662	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C333	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C469	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	U	C530	1-128-008-11	ELECT CHIP	3.3uF	20%	35V	U	C664	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
U	C334	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V					(DD TXI, DD TXI/C ARRAY)			U	C531	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C665	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C335	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C470	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C533	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C666	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C337	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C471	1-164-379-11	CERAMIC CHIP	43PF	5%	50V	U	C534	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C667	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C338	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	U	C471	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	U	C536	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C672	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C339	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	U	C471	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C537	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C673	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C342	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C472	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C538	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C674	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C343	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C473	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C539	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C675	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C344	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C474	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C540	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C676	1-164-156-11	CERAMIC CHIP	0.1uF		25V
U	C355	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	U	C475	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V	U	C543	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C685	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V
U	C363	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V					(DD FJT, DD FJT/C ARRAY)			U	C544	1-137-765-21	ELECT CHIP	47uF	20%	16V	U	C692	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
U	C365	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C475	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	U	C545	1-137-765-21	ELECT CHIP	47uF	20%	16V	U	C693	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
U	C367	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C477	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C546	1-113-619-11	CERAMIC CHIP	0.47uF		10V	U	C697	1-162-917-11	CERAMIC CHIP	15PF	5%	50V

SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark	SC	Ref. No.	Part No.	Description		Remark				
U	C809	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C910	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C958	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	S	CN403	1-784-650-21	CONNECTOR 2P				
U	C810	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	U	C911	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C959	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	S	CN406	1-766-342-21	CONNECTOR, FFC/FPC 12P				
U	C811	1-119-751-11	TANTAL. CHIP	22uF	20%	16V	U	C912	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C960	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	S	CN501	1-476-736-12	TRANSMITTER UNIT, OPTICAL				
U	C812	1-164-670-11	CERAMIC CHIP	0.0012uF	5%	16V	U	C913	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C961	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	S	CN504	1-815-632-12	CONNECTOR, BOARD TO BOARD 110P				
U	C819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C914	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C962	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	S	CN801	1-817-511-21	CONNECTOR, FFC/FPC (ZIF) 30P				
U	C821	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	U	C915	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C963	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CN802	1-816-184-21	CONNECTOR, FFC/FPC 5P					
U	C824	1-119-751-11	TANTAL. CHIP	22uF	20%	16V	U	C916	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C965	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	S	CN803	1-779-206-21	CONNECTOR, FFC (LIF(NON-ZIF)) 4P					
U	C825	1-164-670-11	CERAMIC CHIP	0.0012uF	5%	16V	U	C917	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C966	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	S	CN804	1-794-194-21	CONNECTOR, FFC/FPC 13P					
U	C826	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	U	C918	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C967	1-125-837-91	CERAMIC CHIP	1uF	10% 6.3V									
U	C827	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	U	C919	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C968	1-125-837-91	CERAMIC CHIP	1uF	10% 6.3V	U	D201	8-719-065-78	DIODE MAZF12000LS0					
U	C828	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	U	C920	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C969	1-125-777-11	CERAMIC CHIP	0.1uF	10% 10V	U	D202	6-500-044-01	DIODE DF6A6.8FU(TE85R)					
U	C829	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	U	C921	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C970	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D203	6-500-044-01	DIODE DF6A6.8FU(TE85R)					
U	C830	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	U	C922	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C971	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D208	6-500-044-01	DIODE DF6A6.8FU(TE85R)					
U	C833	1-164-346-11	CERAMIC CHIP	1uF		16V	U	C923	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C972	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D303	6-500-606-01	DIODE 1SS383(T5RSONY,F)					
U	C836	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C924	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C973	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D404	8-719-033-15	DIODE HN2D02FU-TE85R					
U	C843	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C925	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C974	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D500	8-719-941-09	DIODE DAP202U					
U	C844	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	U	C926	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C975	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D501	6-500-252-01	LED SML-512WW-T86					
U	C845	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C927	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C976	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D801	8-719-065-68	DIODE MAZF04700LS0					
U	C850	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C928	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C977	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	D802	8-719-065-68	DIODE MAZF04700LS0					
U	C851	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	U	C929	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C978	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V								< FERRITE BEAD >	
U	C852	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V	U	C930	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C979	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	FB102	1-469-667-21	FERRITE, EMI (SMD)					
U	C853	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C931	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	C980	1-107-826-11	CERAMIC CHIP	0.1uF	10% 16V	U	FB103	1-469-667-21	FERRITE, EMI (SMD)					
U	C854	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C932	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB190	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB104	1-469-667-21	FERRITE, EMI (SMD)					
U	C855	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	U	C933	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB191	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB105	1-469-667-21	FERRITE, EMI (SMD)					
U	C859	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	U	C934	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB192	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB201	1-414-813-11	FERRITE, EMI (SMD)					
U	C860	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	U	C935	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB193	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB202	1-500-113-22	BEAD, FERRITE (CHIP)					
U	C862	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	U	C936	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB194	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB203	1-500-113-22	BEAD, FERRITE (CHIP)					
U	C867	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	U	C937	1-107-826-11	CERAMIC CHIP	0.1uF	10% (DD FJT,DD TXI)	U	CB195	1-100-589-11	CERAMIC CHIP	0.1uFX4	6.3V	U	FB204	1-500-113-22	BEAD, FERRITE (CHIP)					

SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark			
			< IC >		U	L105	1-414-771-91	INDUCTOR	10uH	U	R110	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R314	1-216-813-11	METAL CHIP	220	5% 1/10W
S	IC101	8-759-831-20	IC CY2212ZC-2T	<Direct Rambus Clock Generator>	U	L106	1-414-771-91	INDUCTOR	10uH	U	R111	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R315	1-216-864-11	METAL CHIP	0	5% 1/10W
S	IC102	6-702-936-01	IC TC59RM716AGB-8	<RDRAM for Emotion Engine>	U	L203	1-469-967-21	INDUCTOR	10uH	U	R112	1-211-989-11	METAL CHIP	68	0.5%	1/10W	U	R316	1-216-821-11	METAL CHIP	1K	5% 1/10W
S	IC103	6-702-936-01	IC TC59RM716AGB-8	<RDRAM for Emotion Engine>	U	L401	1-424-918-21	COIL, CHOKE	10uH	U	R113	1-211-989-11	METAL CHIP	68	0.5%	1/10W	U	R317	1-216-864-11	METAL CHIP	0	5% 1/10W
S	IC104	6-701-906-01	IC CXD9708GB <Emotion Engine>		U	L404	1-456-044-11	COIL, CHOKE	2.1uH	U	R114	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R319	1-216-801-11	METAL CHIP	22	5% 1/10W
S	IC106	6-700-967-01	IC CY24141ZC-3T	<Graphics Media Clock Generator>	U	L408	1-456-045-11	COIL, CHOKE	6.2uH	U	R115	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R320	1-216-809-11	METAL CHIP	100	5% 1/10W
S	IC107	6-704-688-01	IC LM71CIMFX <Thermal Sensor>		U	L414	1-456-043-11	COIL, CHOKE	12uH	U	R116	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R321	1-216-823-11	METAL CHIP	1.5K	5% 1/10W
S	IC202	6-703-069-01	IC CXD2949BGB-T7	<Graphics Synthesizer>	S△	PS001	1-576-519-21	FUSE, MICRO (0.4A)		U	R117	1-211-983-11	METAL CHIP	39	0.5%	1/10W	U	R322	1-216-857-11	METAL CHIP	1M	5% 1/10W
S	IC207	8-759-691-00	IC JCP78M05CDTRK <Regulator>		S△	PS002	1-576-519-21	FUSE, MICRO (0.4A)		U	R118	1-211-973-11	METAL CHIP	15	0.5%	1/10W	U	R324	1-216-833-11	METAL CHIP	10K	5% 1/10W
S	IC209	6-703-308-01	IC MM1592FFBEG <Regulator>		S△	PS003	1-576-398-21	LINK, IC (CCP2E63) (2.5A)		U	R119	1-211-973-11	METAL CHIP	15	0.5%	1/10W	U	R327	1-216-801-11	METAL CHIP	22	5% 1/10W
S	IC211	8-752-103-96	IC CXM4000R-T6 <Digital Video Encoder>		S△	PS004	1-576-398-21	LINK, IC (CCP2E63) (2.5A)		U	R120	1-211-973-11	METAL CHIP	15	0.5%	1/10W	U	R328	1-216-841-11	METAL CHIP	47K	5% 1/10W
S	IC303	6-704-685-01	IC CXD9783GP <I/O Processor>		S△	PS005	1-576-586-21	FUSE, MICRO (0.7A)		U	R121	1-211-973-11	METAL CHIP	15	0.5%	1/10W	U	R329	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC306	8-752-421-09	IC CXD2954TM-TL	<2M Byte DRAM for I/O Processor>	S△	PS006	1-576-586-21	FUSE, MICRO (0.7A)		U	R131	1-216-833-11	METAL CHIP	10K	5%	1/10W	U	R330	1-216-803-11	METAL CHIP	33	5% 1/10W
S	IC307	8-752-422-69	IC CXD1412Q-T4	<Remote Controller Gate Array>	S△	PS007	1-576-586-21	FUSE, MICRO (0.7A)		U	R133	1-216-833-11	METAL CHIP	10K	5%	1/10W	U	R331	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC307	8-752-422-69	IC CXD1412Q-T4	<Remote Controller Gate Array>	S△	PS008	1-576-282-21	LINK, SQUARE CHIP TYPE IC (1.2A)		U	R134	1-218-953-11	RES-CHIP	1K	5%	1/16W	U	R332	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC403	6-703-967-01	IC MM1579AFBE	<2ch Regulator + Voltage Detector>	S△	PS009	1-533-282-21	LINK, IC (2A)		U	R139	1-216-801-11	METAL CHIP	22	5%	1/10W	U	R333	1-216-864-11	METAL CHIP	0	5% 1/10W
S	IC407	6-703-963-01	IC MM1582AHBE	<5ch Regulator>	S△	PS010	1-533-282-21	LINK, IC (2A)		U	R145	1-218-953-11	RES-CHIP	1K	5%	1/16W	U	R334	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC407	6-703-963-01	IC MM1582AHBE	<5ch Regulator>	S△	PS011	1-533-282-21	LINK, IC (2A)		U	R147	1-216-821-11	METAL CHIP	1K	5%	1/10W	U	R335	1-216-809-11	METAL CHIP	100	5% 1/10W
S	IC409	6-703-353-01	IC MB39A109PFT-G-BND-ER	(DD FJT, DD FJT/C ARRAY)	S△	PS012	1-536-282-21	LINK, SQUARE CHIP TYPE IC (1.2A)		U	R158	1-216-803-11	METAL CHIP	33	5%	1/10W	U	R337	1-216-817-11	METAL CHIP	470	5% 1/10W
S	IC409	6-703-354-01	IC SN105225DBTR	(DD TXI, DD TXI/C ARRAY)	S△	PS013	1-576-519-21	FUSE, MICRO (0.4A)		U	R159	1-216-805-11	METAL CHIP	47	5%	1/10W	U	R338	1-216-803-11	METAL CHIP	33	5% 1/10W
S	IC409	6-703-354-01	IC SN105225DBTR	(DD TXI, DD TXI/C ARRAY)	S△	PS014	1-533-282-21	LINK, IC (2A)		U	R164	1-216-864-11	METAL CHIP	0	5%	1/10W	U	R339	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC409	6-703-354-01	IC SN105225DBTR	(DD TXI, DD TXI/C ARRAY)	S△	PS015	1-576-677-21	LINK, IC (4A)		U	R185	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	U	R340	1-211-990-11	METAL CHIP	75	0.5% 1/10W
S	IC413	6-702-460-01	IC LP2985IM5X-3.5P <Regulator>		S△	PS016	1-576-519-21	FUSE, MICRO (0.4A)		U	R188	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	U	R341	1-216-803-11	METAL CHIP	33	5% 1/10W
S	IC414	6-701-175-01	IC MC7808CDTT5 <Regulator>		S△	PS017	1-576-282-21	LINK, SQUARE CHIP TYPE IC (1.2A)		U	R191	1-216-864-11	METAL CHIP	0	5%	1/10W	U	R342	1-216-809-11	METAL CHIP	100	5% 1/10W
S	IC415	8-759-581-11	IC NJM2125F(TE2) <OP-Amp>		U	Q204	8-729-049-77	TRANSISTOR HN1B01F-GR(T5LSONY)		U	R196	1-218-933-11	RES-CHIP	22	5%	1/16W	U	R347	1-211-986-11	METAL CHIP	51	0.5% 1/10W
S	IC415	8-759-581-11	IC NJM2125F(TE2) <OP-Amp>		U	Q401	6-550-222-01	FET IRF7335D1-TR		U	R201	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	U	R348	1-216-864-11	METAL CHIP	0	5% 1/10W
S	IC417	6-703-968-01	IC NCP631GD2TR4 <Regulator>		U	Q405	8-729-427-47	TRANSISTOR XP4213-TXE		U	R202	1-216-833-11	METAL CHIP	10K	5%	1/10W	U	R349	1-216-821-11	METAL CHIP	1K	5% 1/10W
S	IC501	6-701-214-01	IC CXD9611BR <SS-BUS Interface>		U	Q406	8-729-427-47	TRANSISTOR XP4213-TXE		U	R216	1-216-864-11	METAL CHIP	0	5%	1/10W	U	R350	1-216-805-11	METAL CHIP	47	5% 1/10W
S	IC504	8-752-417-81	IC CXD2947R-TL	<Sound Processor Unit>	U	Q409	8-729-427-47	TRANSISTOR XP4213-TXE		U	R220	1-218-933-11	RES-CHIP	22	5%	1/16W	U	R352	1-216-797-11	METAL CHIP	10	5% 1/10W
S	IC505	6-803-401-01	IC MR26V6420G-033TMZ (50003,50004)	<Boot/DVD ROM>	U	Q411	6-550-393-01	FET FDC606P		U	R225	1-216-833-11	METAL CHIP	10K	5%	1/10W	U	R353	1-216-821-11	METAL CHIP	1K	5% 1/10W
S	IC505	6-803-402-01	IC MR26V6420G-034TMZ (50002)	<Boot/DVD ROM>	U	Q412	6-550-026-01	FET IRF7328-TR		U	R257	1-216-824-11	METAL CHIP	1.8K	5%	1/1						

SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark	
U	R405	1-216-845-11	METAL CHIP	100K 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R475	1-216-864-11	METAL CHIP	0 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R644	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R857	1-216-832-11	METAL CHIP	8.2K 5% 1/10W	
U	R410	1-216-296-11	SHORT CHIP	0	U	R479	1-216-843-11	METAL CHIP	68K 5% 1/10W	U	R649	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R859	1-216-850-11	METAL CHIP	270K 5% 1/10W	
U	R411	1-216-296-11	SHORT CHIP	0	U	R480	1-216-843-11	METAL CHIP	68K 5% 1/10W	U	R650	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R860	1-217-671-11	METAL CHIP	1 5% 1/10W	
U	R412	1-216-296-11	SHORT CHIP	0	U	R482	1-216-810-11	METAL CHIP	120 5% 1/10W	U	R651	1-216-837-11	METAL CHIP	22K 5% 1/10W	U	R861	1-217-671-11	METAL CHIP	1 5% 1/10W	
U	R413	1-216-296-11	SHORT CHIP	0	U	R485	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R654	1-216-845-11	METAL CHIP	100K 5% 1/10W	U	R862	1-217-671-11	METAL CHIP	1 5% 1/10W	
U	R415	1-216-839-11	METAL CHIP	33K 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R486	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R657	1-216-839-11	METAL CHIP	33K 5% 1/10W	U	R863	1-216-298-00	METAL CHIP	2.2 5% 1/10W	
U	R416	1-216-839-11	METAL CHIP	33K 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R487	1-216-821-11	METAL CHIP	1K 5% 1/10W	U	R658	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R872	1-216-844-11	METAL CHIP	82K 5% 1/10W	
U	R433	1-216-821-11	METAL CHIP	1K 5% 1/10W	U	R490	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R664	1-216-821-11	METAL CHIP	1K 5% 1/10W	U	R873	1-216-839-11	METAL CHIP	33K 5% 1/10W	
U	R434	1-216-864-11	METAL CHIP	0 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R492	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R665	1-216-821-11	METAL CHIP	1K 5% 1/10W	U	R874	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	
U	R435	1-216-864-11	METAL CHIP	0 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R493	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R667	1-216-861-11	METAL CHIP	2.2M 5% 1/10W	U	R888	1-216-833-11	METAL CHIP	10K 5% 1/10W	
U	R446	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (DD FJT,DD FJT/C ARRAY)	U	R497	1-216-027-00	METAL CHIP	120 5% 1/10W	U	R668	1-216-853-11	METAL CHIP	470K 5% 1/10W	U	R901	1-218-937-11	RES-CHIP	47 5% 1/16W	
U	R446	1-216-864-11	METAL CHIP	0 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R498	1-216-027-00	METAL CHIP	120 5% 1/10W	U	R669	1-216-845-11	METAL CHIP	100K 5% 1/10W	U	R902	1-218-937-11	RES-CHIP	47 5% 1/16W	
U	R447	1-216-817-11	METAL CHIP	470 5% 1/10W (DD FJT,DD FJT/C ARRAY)	U	R499	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R670	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R903	1-218-871-11	METAL CHIP	10K 0.5% 1/10W	
U	R447	1-216-864-11	METAL CHIP	0 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R503	1-216-803-11	METAL CHIP	33 5% 1/10W	U	R671	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	U	R974	1-216-801-11	METAL CHIP	22 5% 1/10W	
U	R450	1-216-295-91	SHORT CHIP	0	U	R504	1-216-803-11	METAL CHIP	33 5% 1/10W	U	R672	1-218-888-11	METAL CHIP	51K 0.5% 1/10W	U	R975	1-216-801-11	METAL CHIP	22 5% 1/10W	
U	R506	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R508	1-216-801-11	METAL CHIP	22 5% 1/10W	U	R673	1-216-827-11	METAL CHIP	3.3K 5% 1/10W					< NETWORK RESISTOR >	
U	R509	1-216-821-11	METAL CHIP	1K 5% 1/10W	U	R510	1-216-864-11	METAL CHIP	0 5% 1/10W	U	R674	1-216-845-11	METAL CHIP	100K 5% 1/10W	S	RB101	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R510	1-216-864-11	METAL CHIP	2.7 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R513	1-216-805-11	METAL CHIP	47 5% 1/10W	U	R675	1-216-839-11	METAL CHIP	33K 5% 1/10W	S	RB102	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R513	1-216-805-11	METAL CHIP	47 5% 1/10W	U	R516	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R678	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S	RB103	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R516	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R517	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R679	1-216-864-11	METAL CHIP	0 5% 1/10W	S	RB104	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R517	1-216-809-11	METAL CHIP	2.7 5% 1/10W (DD TXI,DD TXI/C ARRAY)	U	R522	1-218-965-11	RES-CHIP	10K 5% 1/16W	U	R686	1-216-833-11	METAL CHIP	10K 5% 1/10W	S	RB105	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R522	1-218-965-11	RES-CHIP	10K 5% 1/16W	U	R531	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R687	1-216-833-11	METAL CHIP	10K 5% 1/10W	S	RB106	1-234-496-21	ARRAY, RESISTOR 39X8		
U	R531	1-216-809-11	METAL CHIP	100 5% 1/10W	U	R574	1-216-812-11	METAL CHIP	180 5% 1/10W	U	R688	1-216-845-11	METAL CHIP	100K 5% 1/10W	S	RB107	1-234-710-21	RES, CHIP NETWORK 47X8 (3816)		
U	R574	1-216-812-11	METAL CHIP	180 5% 1/10W	U	R575	1-216-850-11	METAL CHIP	270K 5% 1/10W	U	R689	1-216-845-11	METAL CHIP	100K 5% 1/10W	S	RB108	1-234-710-21	RES, CHIP NETWORK 47X4 (3216)		
U	R575	1-216-850-11	METAL CHIP	270K 5% 1/10W	U	R576	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R690	1-216-846-11	METAL CHIP	120K 5% 1/10W	S	RB109	1-234-710-21	RES, CHIP NETWORK 47X4 (3216)		
U	R576	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R577	1-216-818-11	METAL CHIP	560 5% 1/10W	U	R691	1-216-835-11	METAL CHIP	15K 5% 1/10W	S	RB110	1-234-710-21	RES, CHIP NETWORK 47X8 (3816)		
U	R577	1-216-818-11	METAL CHIP	560 5% 1/10W	U	R578	1-216-818-11	METAL CHIP	560 5% 1/10W	U	R692	1-216-833-11	METAL CHIP	10K 5% 1/10W	S	RB111	1-234-710-21	RES, CHIP NETWORK 47X8 (3816)		
U	R578	1-216-818-11	METAL CHIP	560 5% 1/10W	U	R579	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R693	1-216-833-11	METAL CHIP	10K 5% 1/10W	S	RB112	1-234-710-21	RES, CHIP NETWORK 47X4 (3216)		
U	R579	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R580	1-216-850-11	METAL CHIP	270K 5% 1/10W	U	R694	1-216-835-11	METAL CHIP	15K 5% 1/10W	S	RB113	1-234-710-21	RES, CHIP NETWORK 47X8 (3816)		
U	R580	1-216-850-11	METAL CHIP	270K 5% 1/10W	U	R581	1-216-813-11	METAL CHIP	220 5% 1/10W	U	R695	1-216-833-11	METAL CHIP	10K 5% 1/10W	S	RB114	1-234-710-21	RES, CHIP NETWORK 47X8 (3816)		
U	R581	1-216-813-11	METAL CHIP	220 5% 1/10W	U	R585	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R696	1-216-846-11	METAL CHIP	120K 5% 1/10W	S	RB115	1-234-710-21	RES, CHIP NETWORK 47X4 (3216)		
U	R585	1-216-833-11	METAL CHIP	10K 5% 1/10W	U	R586	1-216-864-11	METAL CHIP												

<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>						
S	RB406	1-233-792-11	RES, CHIP NETWORK 100KX2	(1608)								
S	RB411	1-233-412-11	RES, CHIP NETWORK 1KX4	(3216)								
S	RB511	1-239-409-11	RES, CHIP NETWORK 47X4	(3216)								
S	RB522	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB525	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB527	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB529	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB531	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB533	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB535	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB537	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)								
S	RB603	1-236-908-11	RES, CHIP NETWORK 10KX4	(3216)								
S	RB606	1-233-412-11	RES, CHIP NETWORK 1KX4	(3216)								
S	RB609	1-239-409-11	RES, CHIP NETWORK 47X4	(3216)								
S	RB610	1-236-908-11	RES, CHIP NETWORK 10KX4	(3216)								
< THERMISTOR (POSITIVE) >												
S \triangle	TH001	1-804-812-11	THERMISTOR, POSITIVE									
S \triangle	TH002	1-804-812-11	THERMISTOR, POSITIVE									
S \triangle	TH003	1-804-812-11	THERMISTOR, POSITIVE									
< VIBRATOR >												
S	X102	1-781-640-21	VIBRATOR, CRYSTAL	(18.432MHz)								
S	X302	1-781-768-21	VIBRATOR, CRYSTAL	(16.9344MHz)								
S	X601	1-781-768-21	VIBRATOR, CRYSTAL	(16.9344MHz)								
S	X602	1-760-458-21	VIBRATOR, CRYSTAL	(32.768kHz)								

S	A-6800-233-A SW-398 BOARD, COMPLETE											

< CAPACITOR >												
U	C752	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V						
< CONNECTOR >												
U	CN751	1-793-906-11	CONNECTOR, FFC/FPC (LIF)	12P								
< DIODE >												
U	D751	6-500-607-01	LED	CL-501YE-D-T								
U	D752	6-500-204-01	LED	CL-190UB2-X-T								
< IC >												
U	IC751	6-704-096-01	IC	RS-570D-T								
< COIL >												
U	L751	1-469-847-11	INDUCTOR		100uH							
< RESISTOR >												
U	R751	1-216-832-11	METAL CHIP	8.2K	5%	1/10W						
U	R752	1-218-867-11	METAL CHIP	6.8K	5%	1/10W						
U	R753	1-218-701-11	METAL CHIP	2.4K	5%	1/10W						
U	R754	1-216-832-11	METAL CHIP	8.2K	5%	1/10W						
< SWITCH >												
U	S751	1-771-917-21	SWITCH, TACTILE									
U	S752	1-771-917-21	SWITCH, TACTILE									

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

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