

**SM-BDD-0013E-01**

**BDPT-1001**

**BPX-2001**

**BD DRIVE SERVICE MANUAL 1st edition**

**PLAYSTATION®3**



Sony Computer Entertainment Inc.  
CS Department  
Published in Japan © 2007. 09

## 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 soldered 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 power cable for cracks and abrasion. Recommend the replacement of any such power cable 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 instruments 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.**

## SPECIAL COMPONENT NOTICE

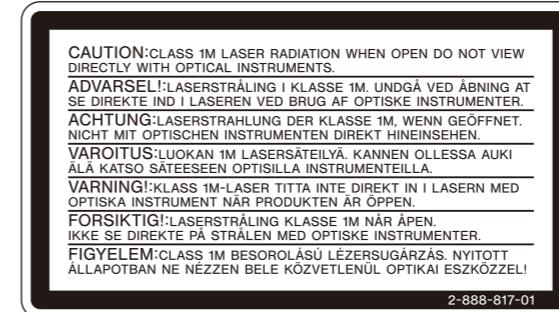
The components identified by mark  $\triangle$  contain confidential information.

Strictly follow the instructions whenever the components are repaired and/or replaced.

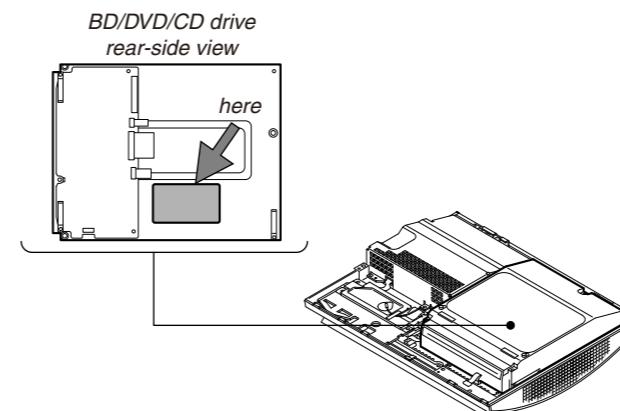
**CAUTION**

Ensure that this product is disconnected from the power plug before the laser protective housing is removed.

**CLASS 1M LASER RADIATION WHEN OPEN DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.**



This label is located on the BD/DVD/CD Drive laser protective housing inside the enclosure.


**CAUTION**

Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

**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.

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**SECTION 1**  
**CIRCUIT DIAGRAM**

**Note on Schematic Diagram:**

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

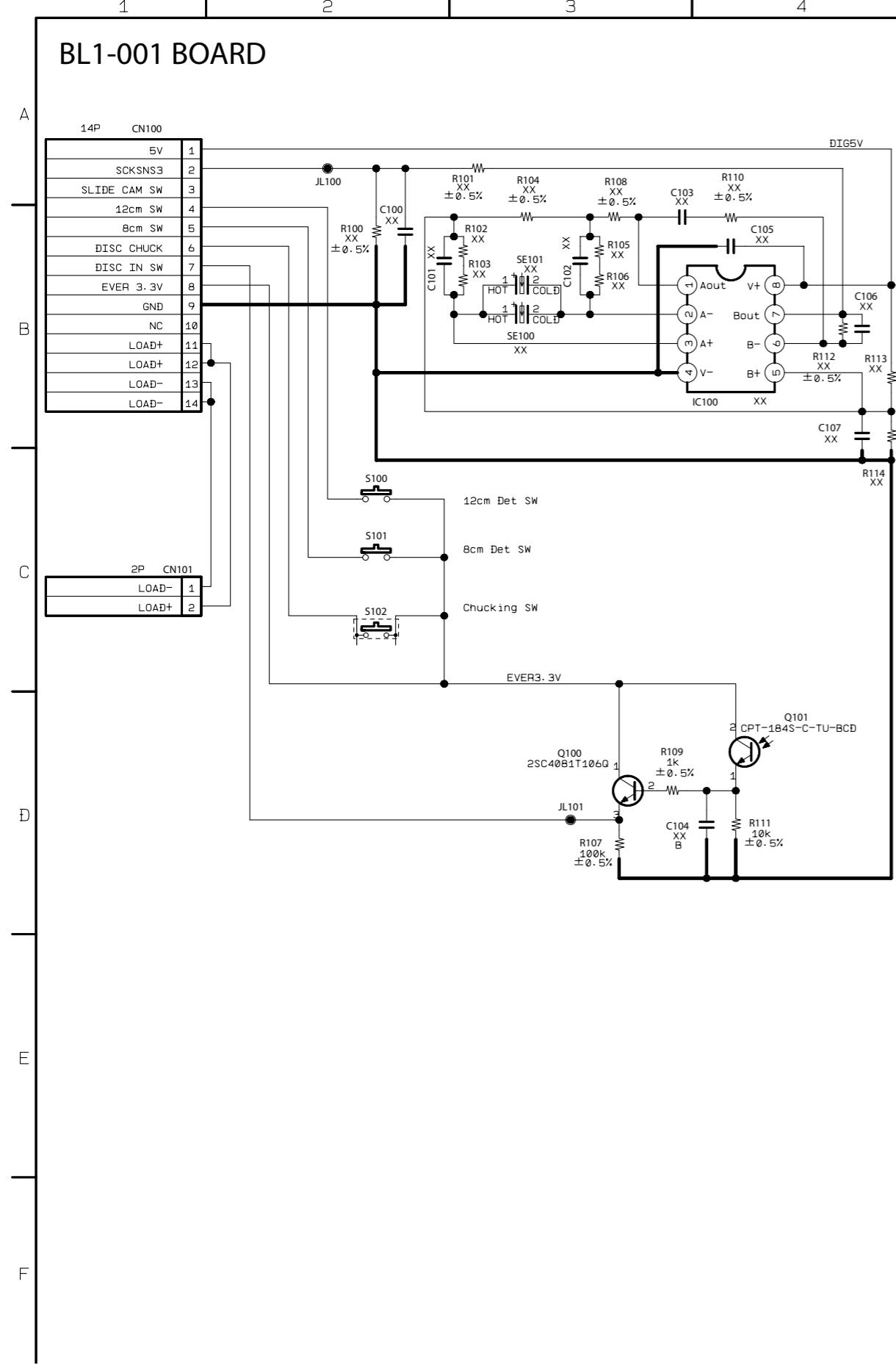
**Note:**

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

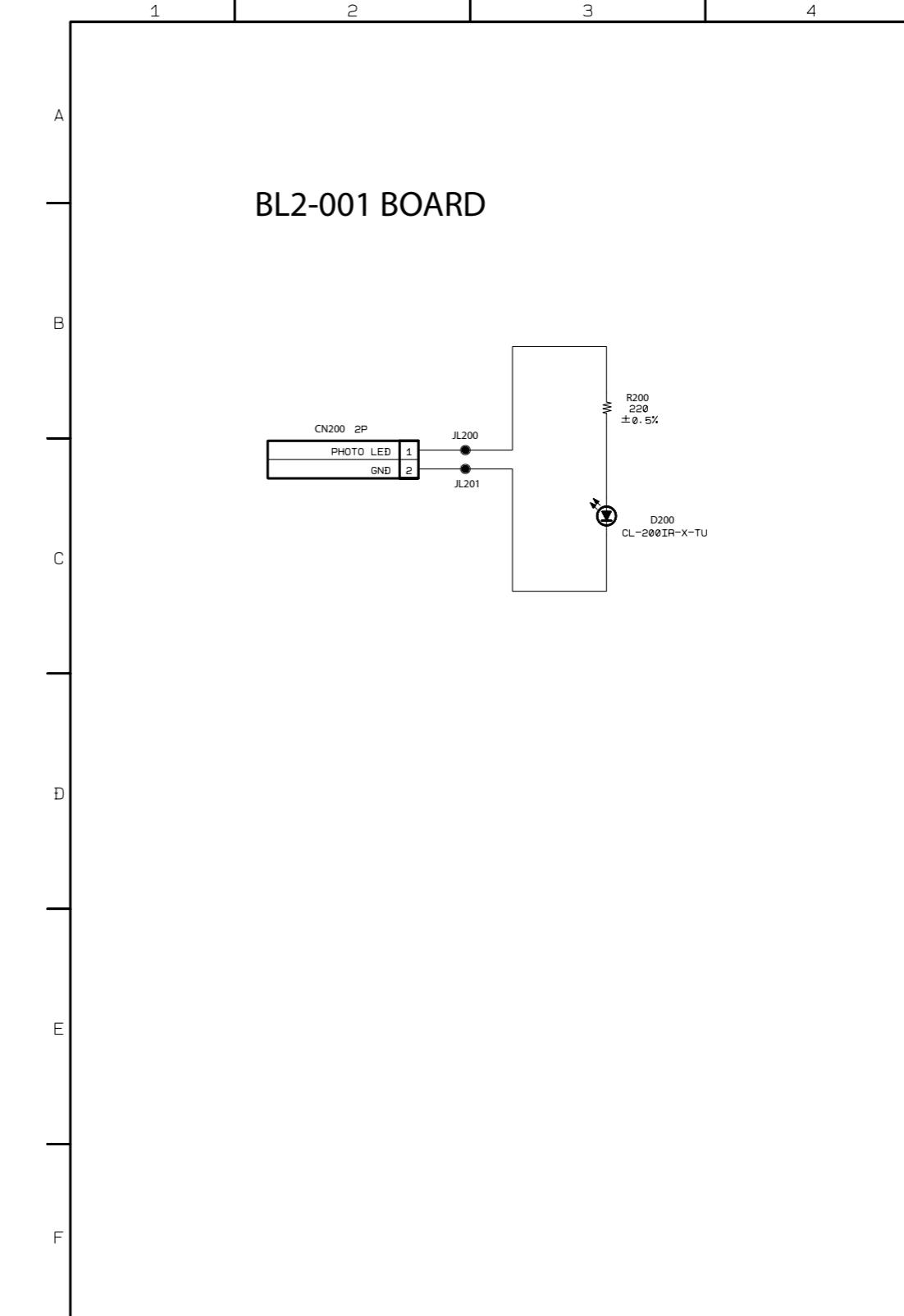
**Note:**

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

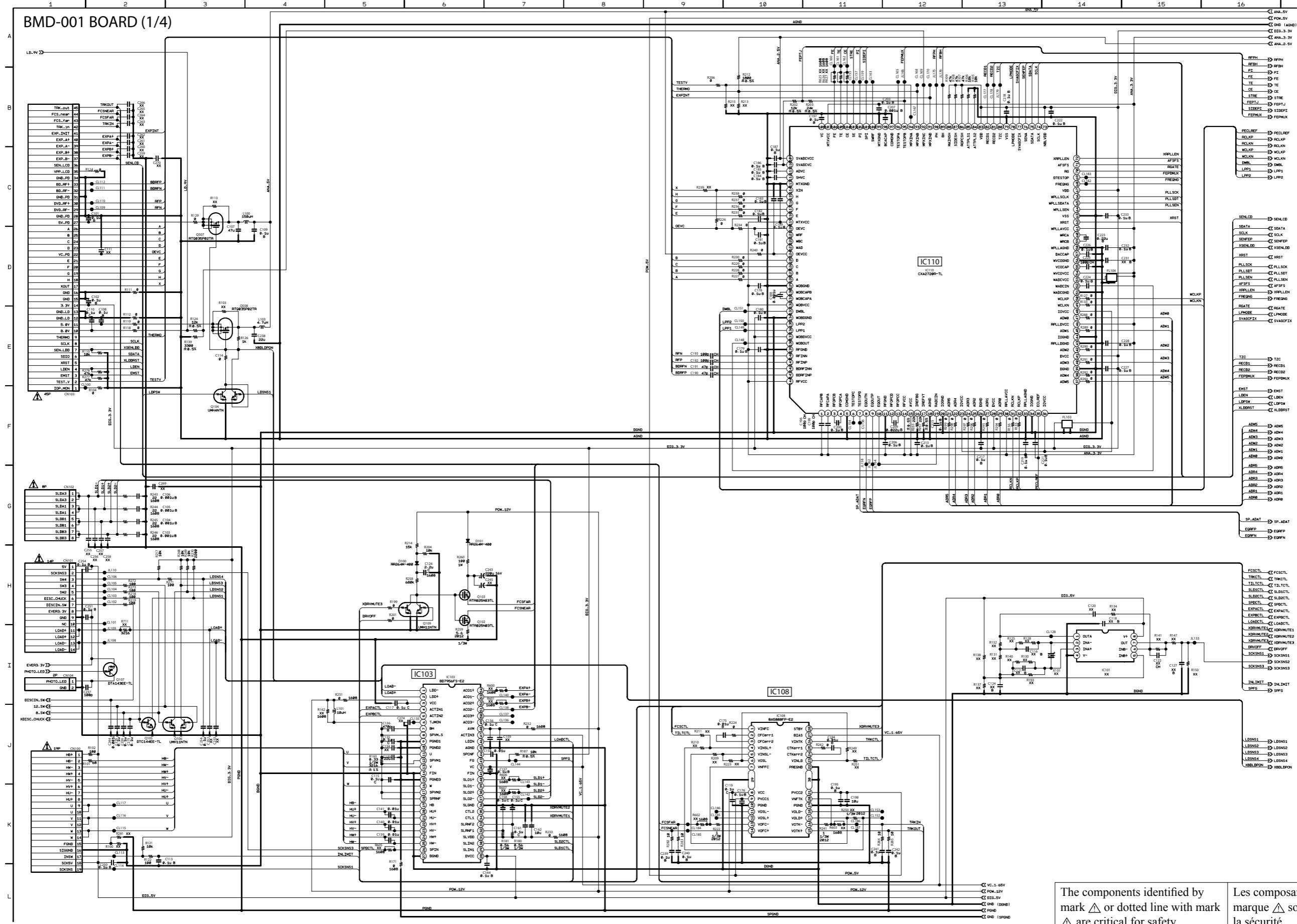
## 1-1. BL1-001 BOARD



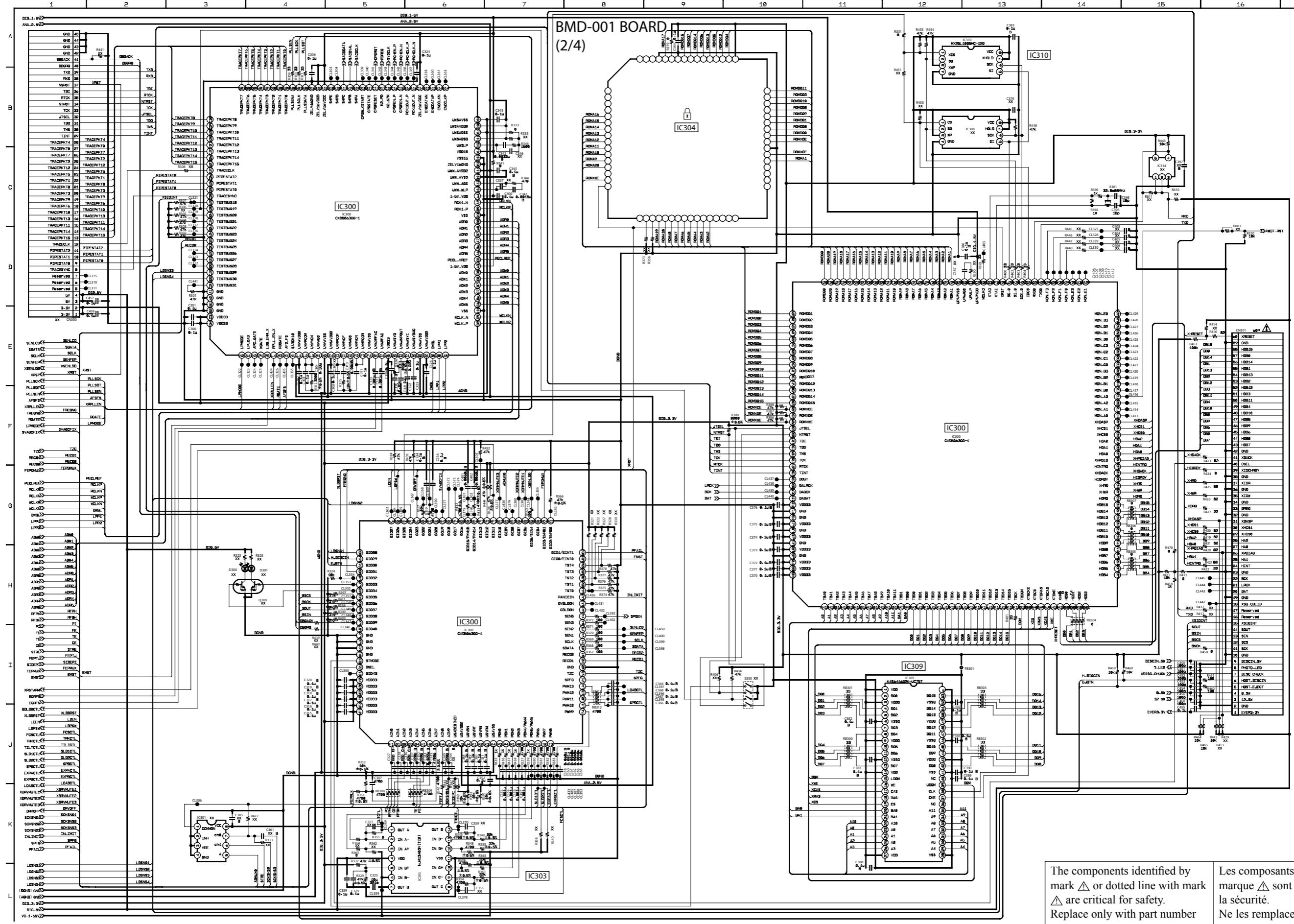
## 1-2. BL2-001 BOARD



## 1-3. BMD-001 BOARD (1/4)



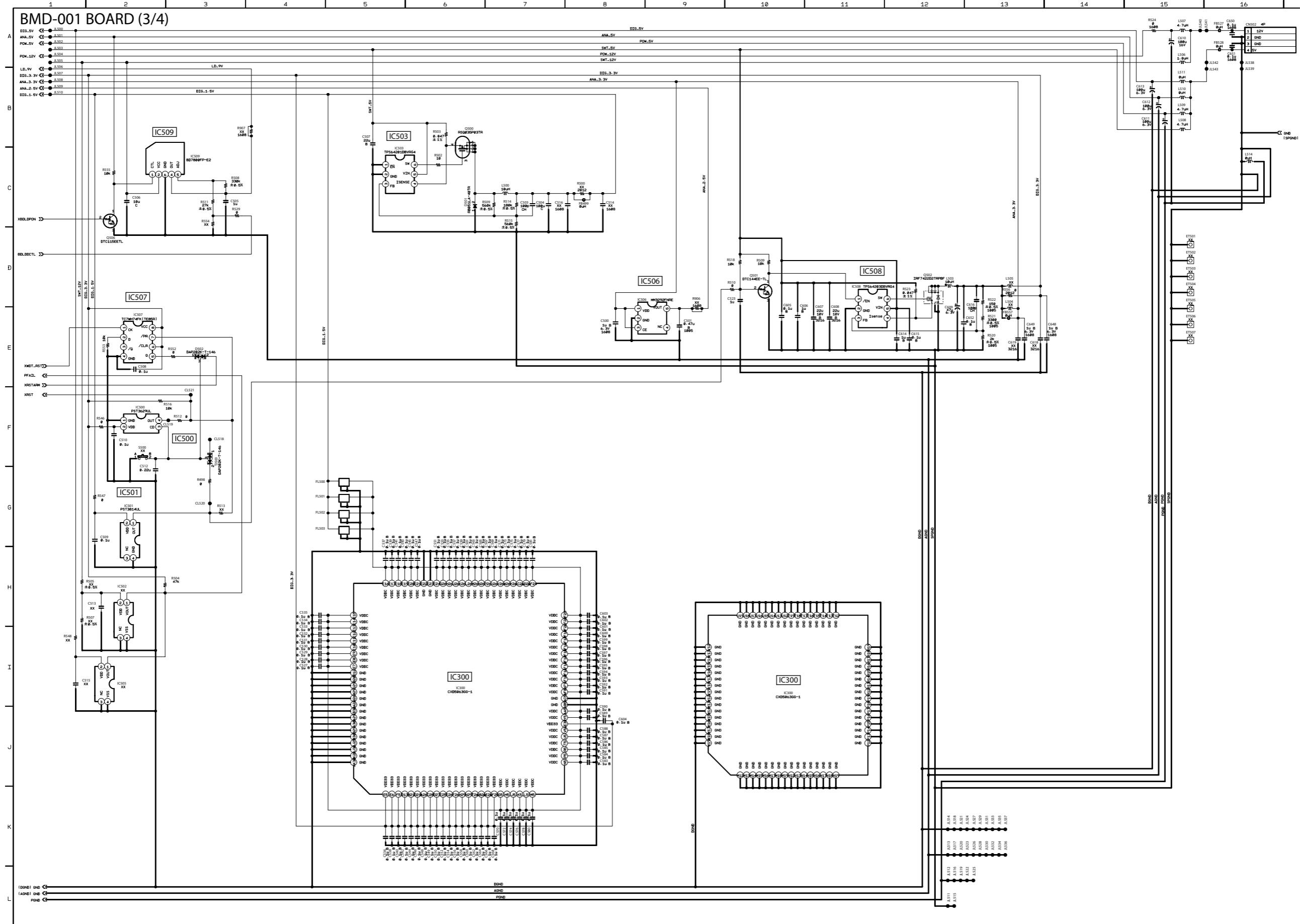
## 1-4. BMD-001 BOARD (2/4)



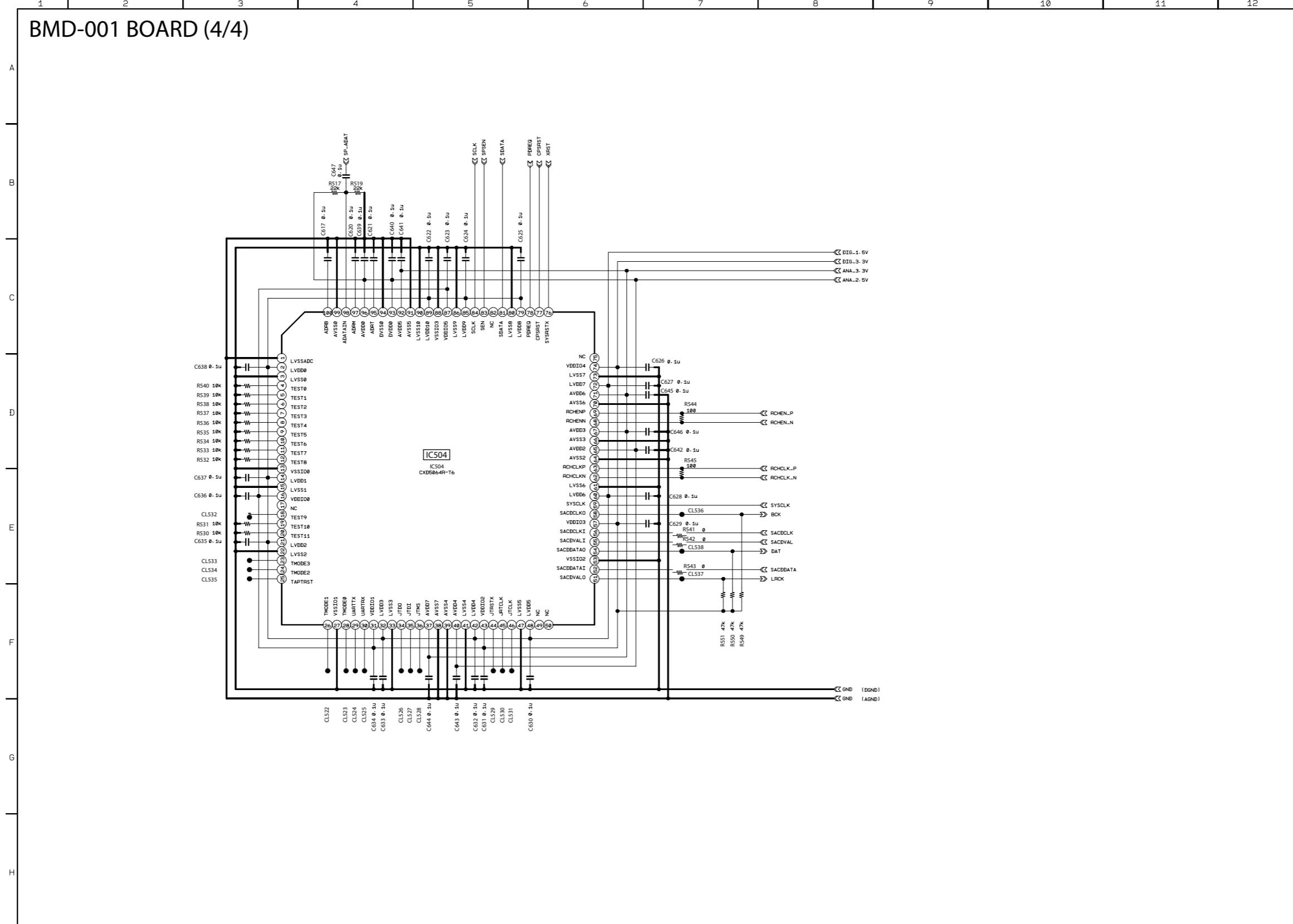
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

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

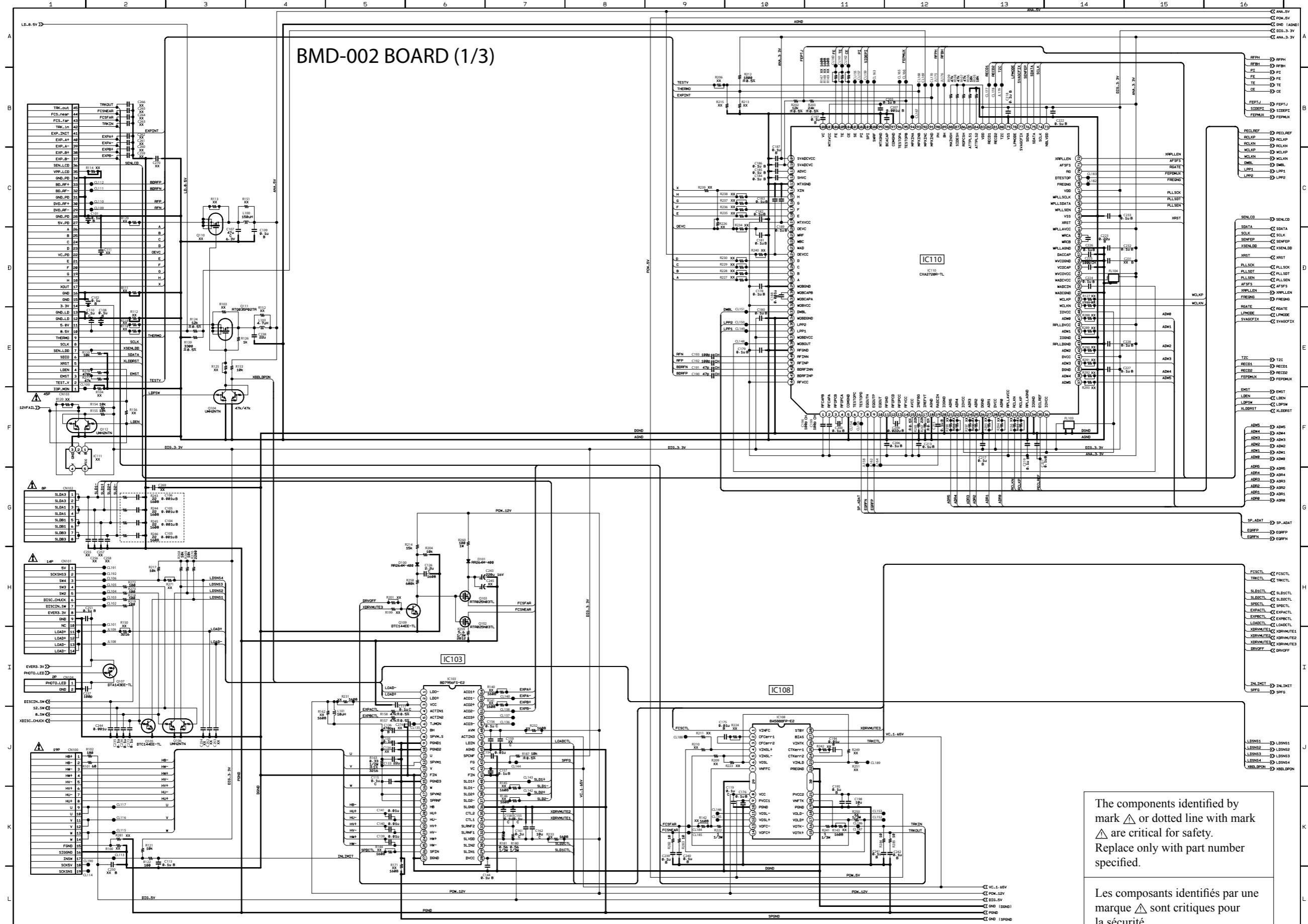
## 1-5. BMD-001 BOARD (3/4)



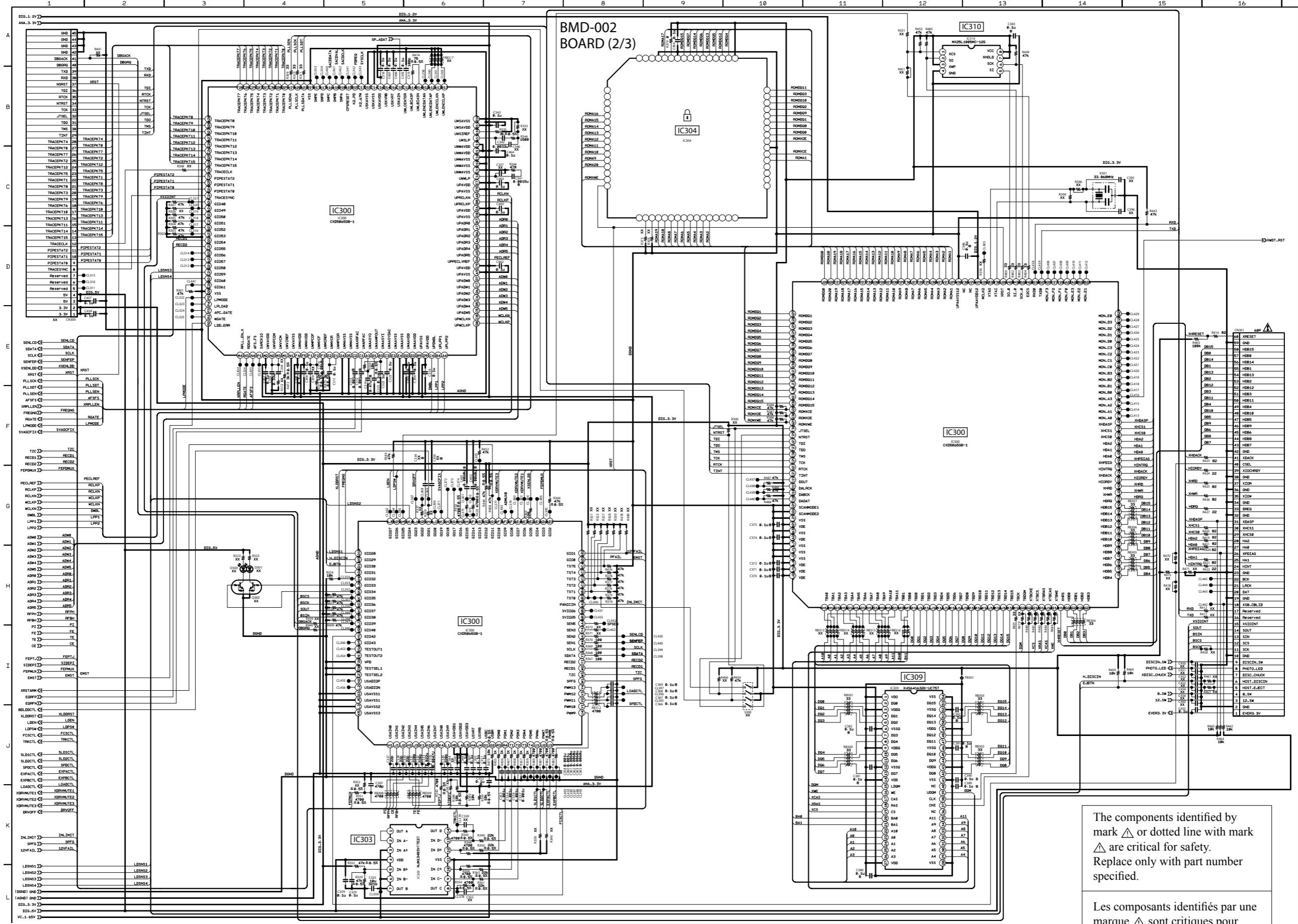
## 1-6. BMD-001 BOARD (4/4)



## 1-7. BMD-002 BOARD (1/3)



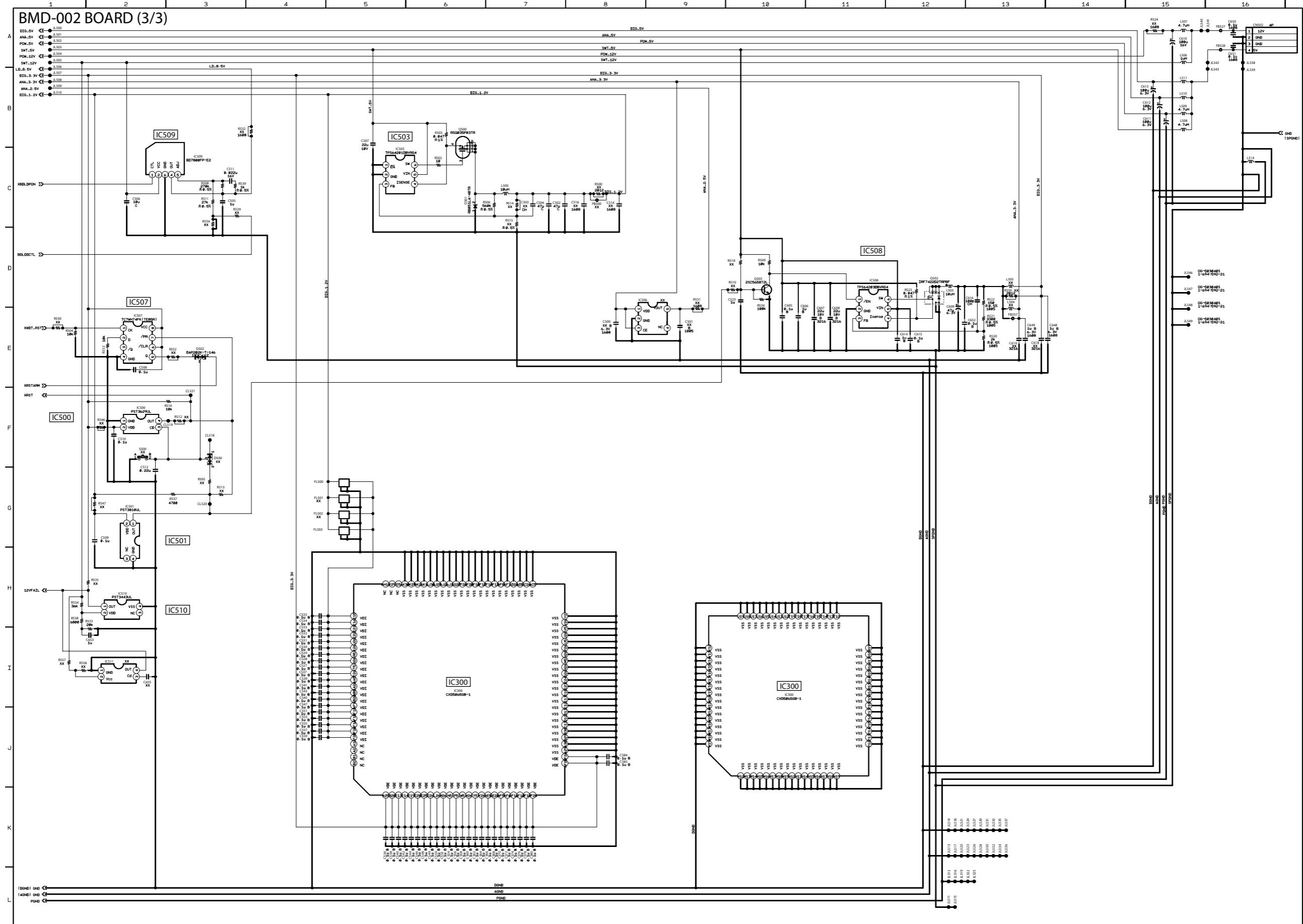
## 1-8. BMD-002 BOARD (2/3)



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

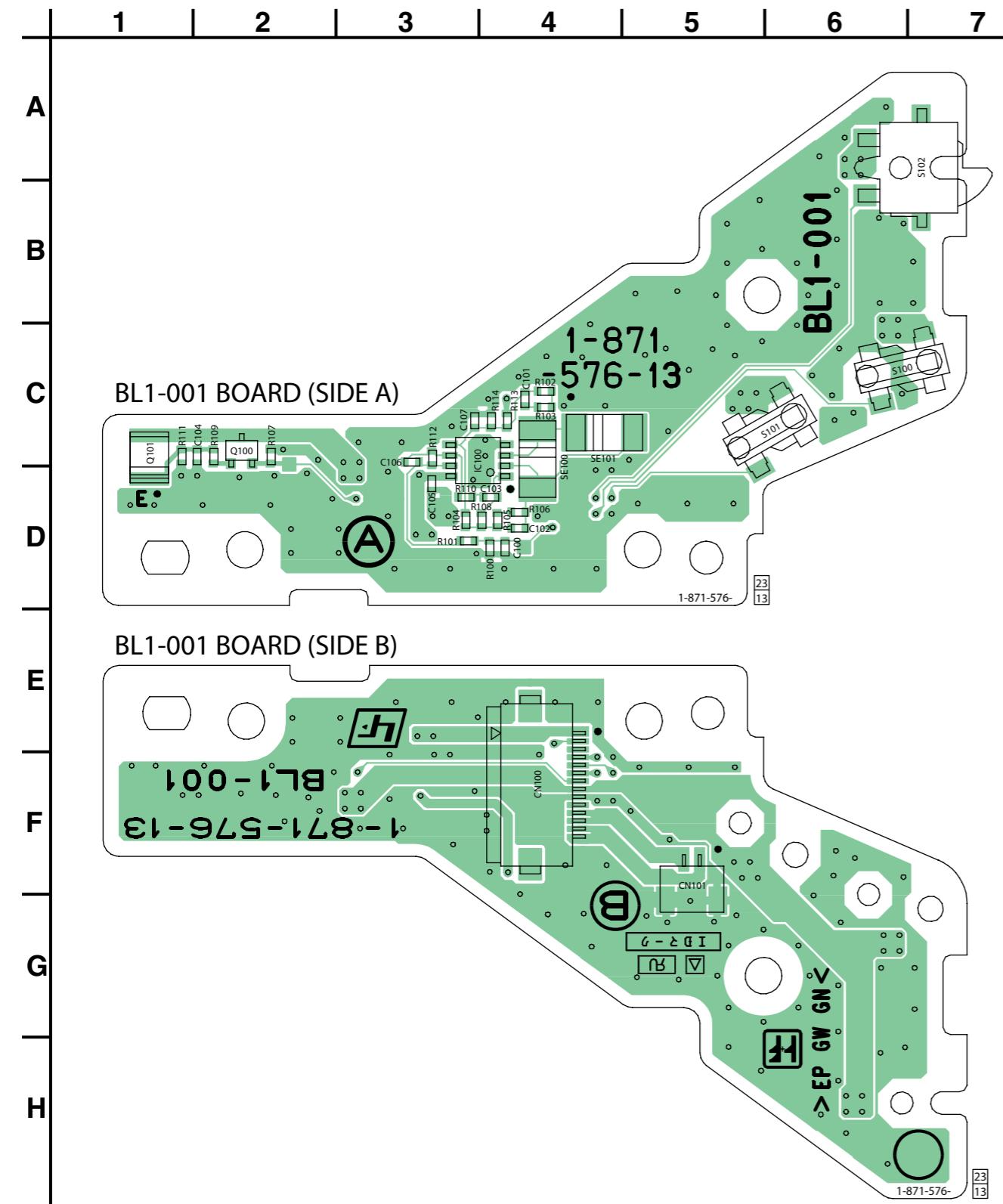
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

## 1-9. BMD-002 BOARD (3/3)

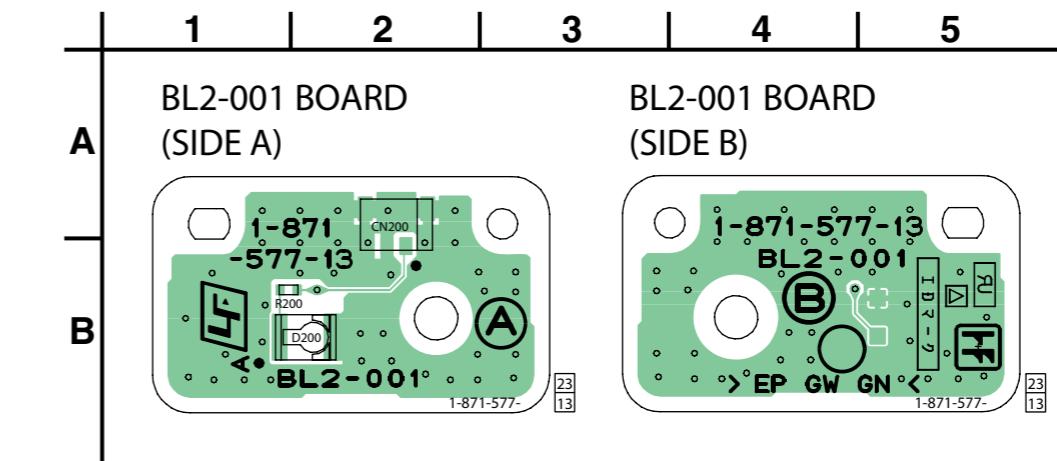


**SECTION 2**  
**PRINTED WIRING BOARDS**

2-1. BL1-001 BOARD



2-2. BL2-001 BOARD

**Note on Printed Wiring Boards:**

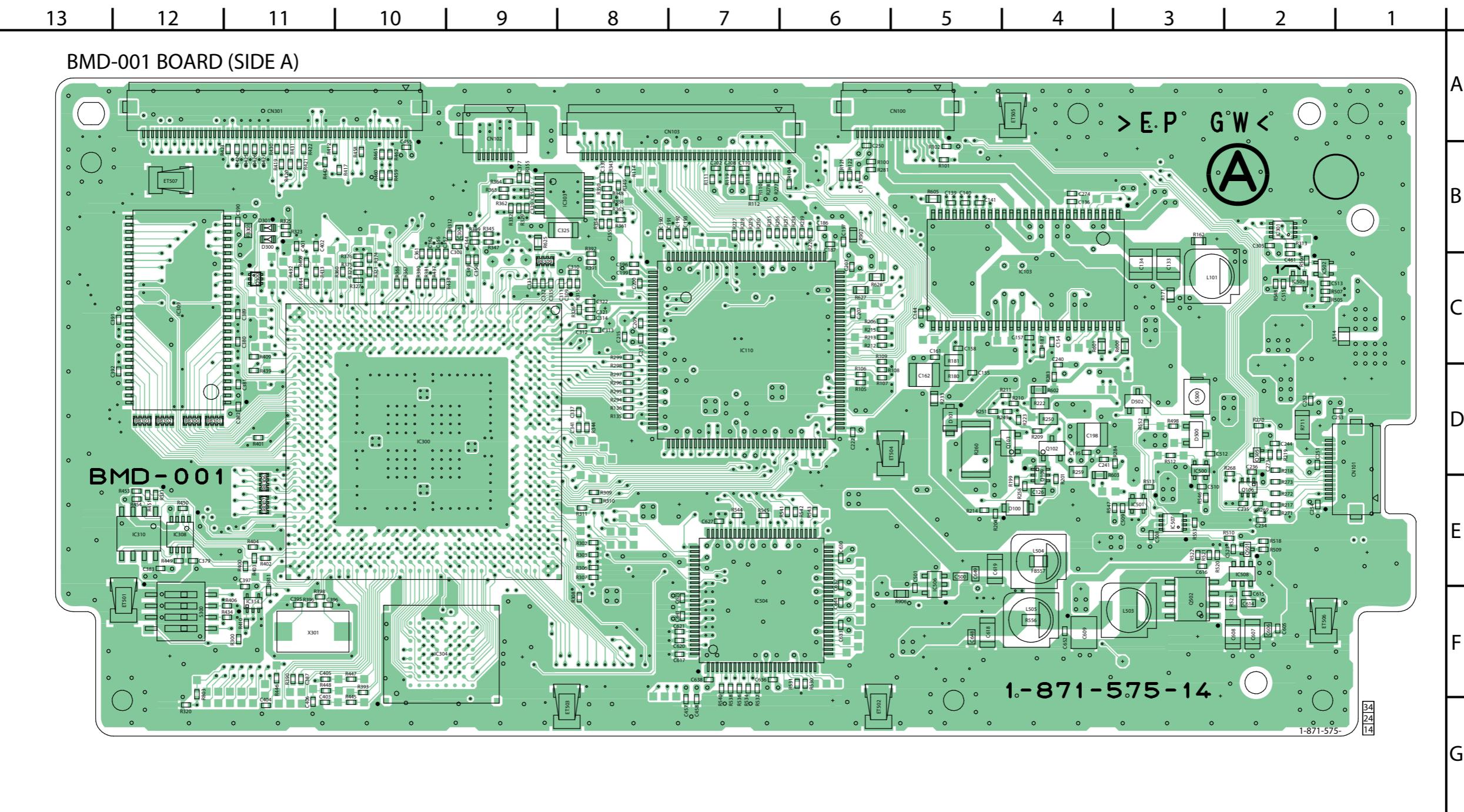
- **Green**: Pattern from the side which enables seeing.  
(The other layer's patterns are not indicated.)

**Caution:**

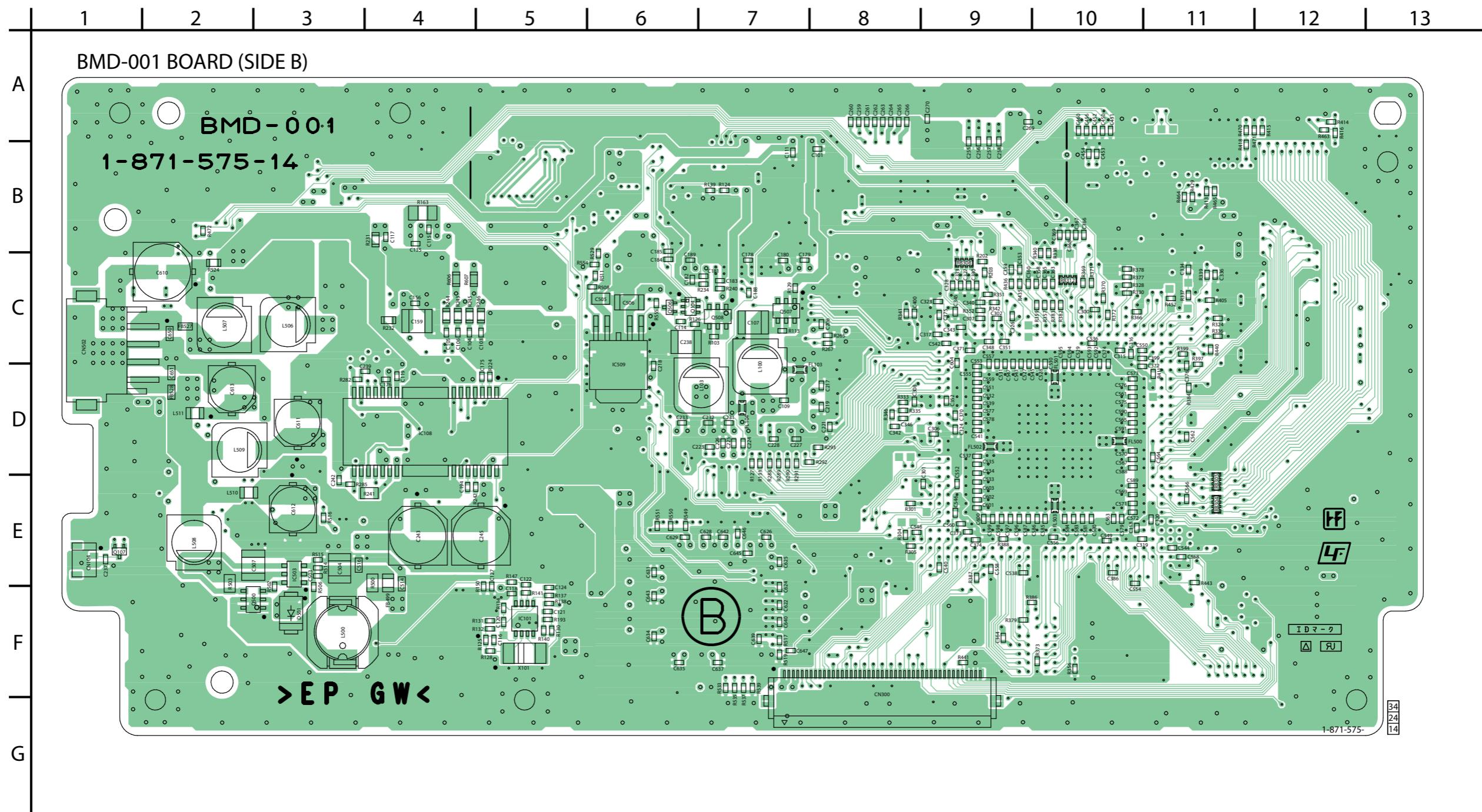
Pattern face side: Parts on the pattern face side seen  
(Side B) from the pattern face are indicated.

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

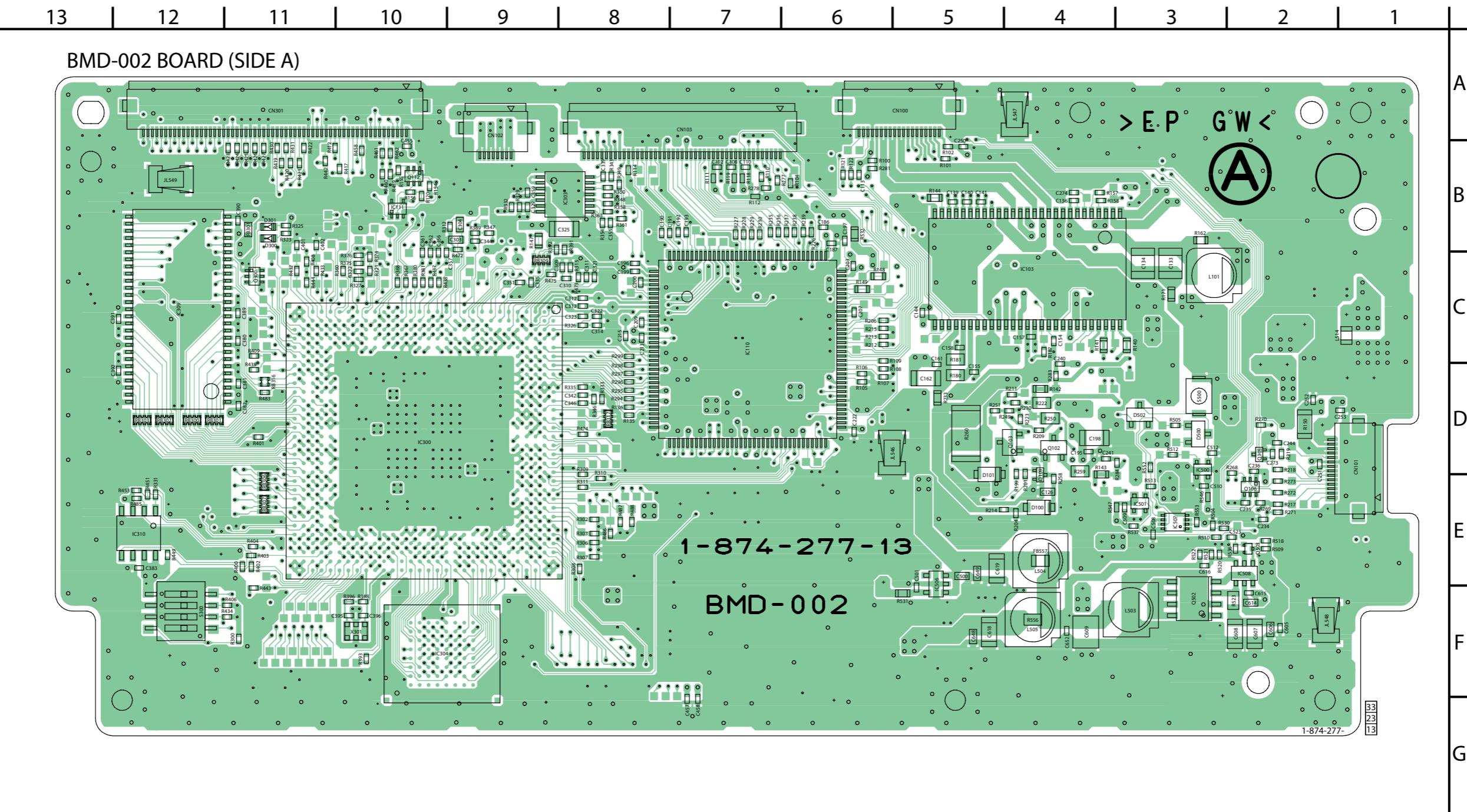
## **2-3. BMD-001 BOARD (SIDE A)**



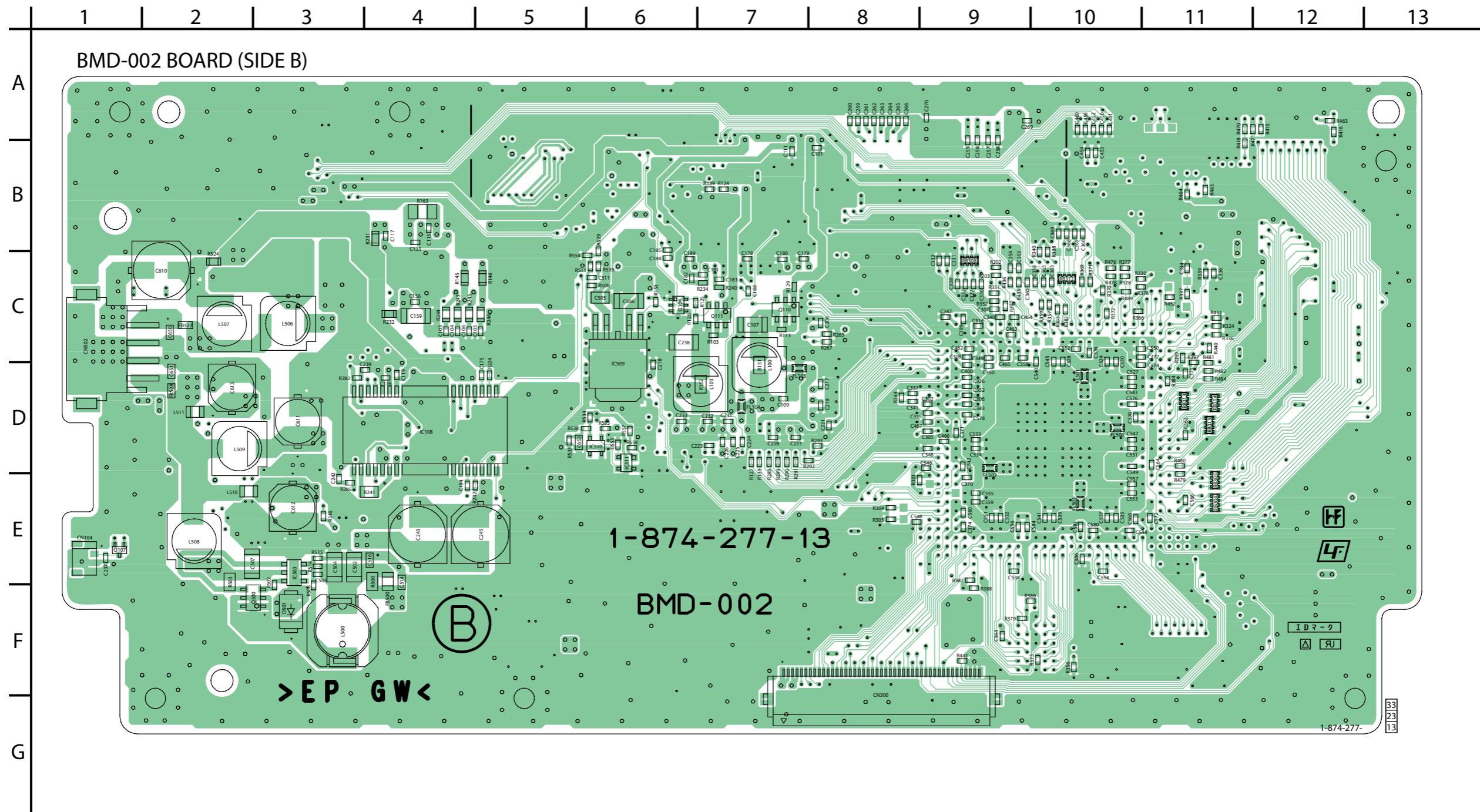
2-4. BMD-001 BOARD (SIDE B)



## **2-5. BMD-002 BOARD (SIDE A)**



## **2-6. BMD-002 BOARD (SIDE B)**



### 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  $\triangle$  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.

**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.

#### SPECIAL COMPONENT NOTICE

The components identified by mark  $\square$  contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

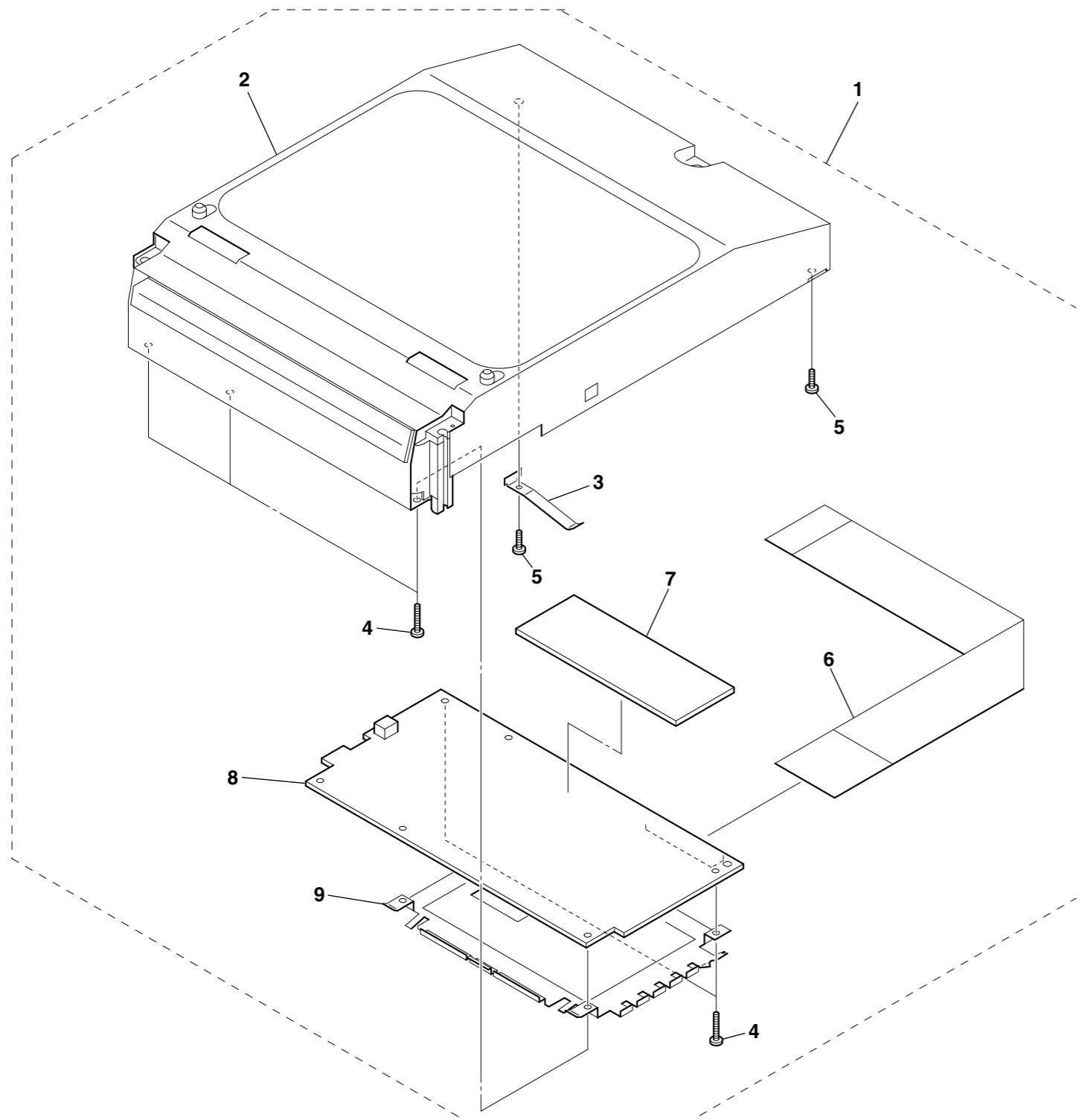
#### • LOADING COMPLETE ASSY

SC	Ref. No.	Part No.	Description	Remark
S $\triangle$	1	9-910-001-47	LOADING COMPLETE ASSY	
U	2	A-1203-908-A	LOADING BLOCK ASSY	
S	3	2-894-364-02	SPRING (MD), LEAF	
S	4	3-948-339-12	SCREW, TAPPING	
U	5	3-074-552-02	O PLATE 2 MAIN 2X5 S TITE	
S	6	1-834-594-11	CABLE, FLEXIBLE FLAT (FFC-60)	
S	7	2-698-708-02	CUSHION (PWB)	
S	8	A-1267-249-A	BMD-001 COMPL (SERVICE)	
S	9	X-2177-119-1	SHIELD ASSY (MD)	

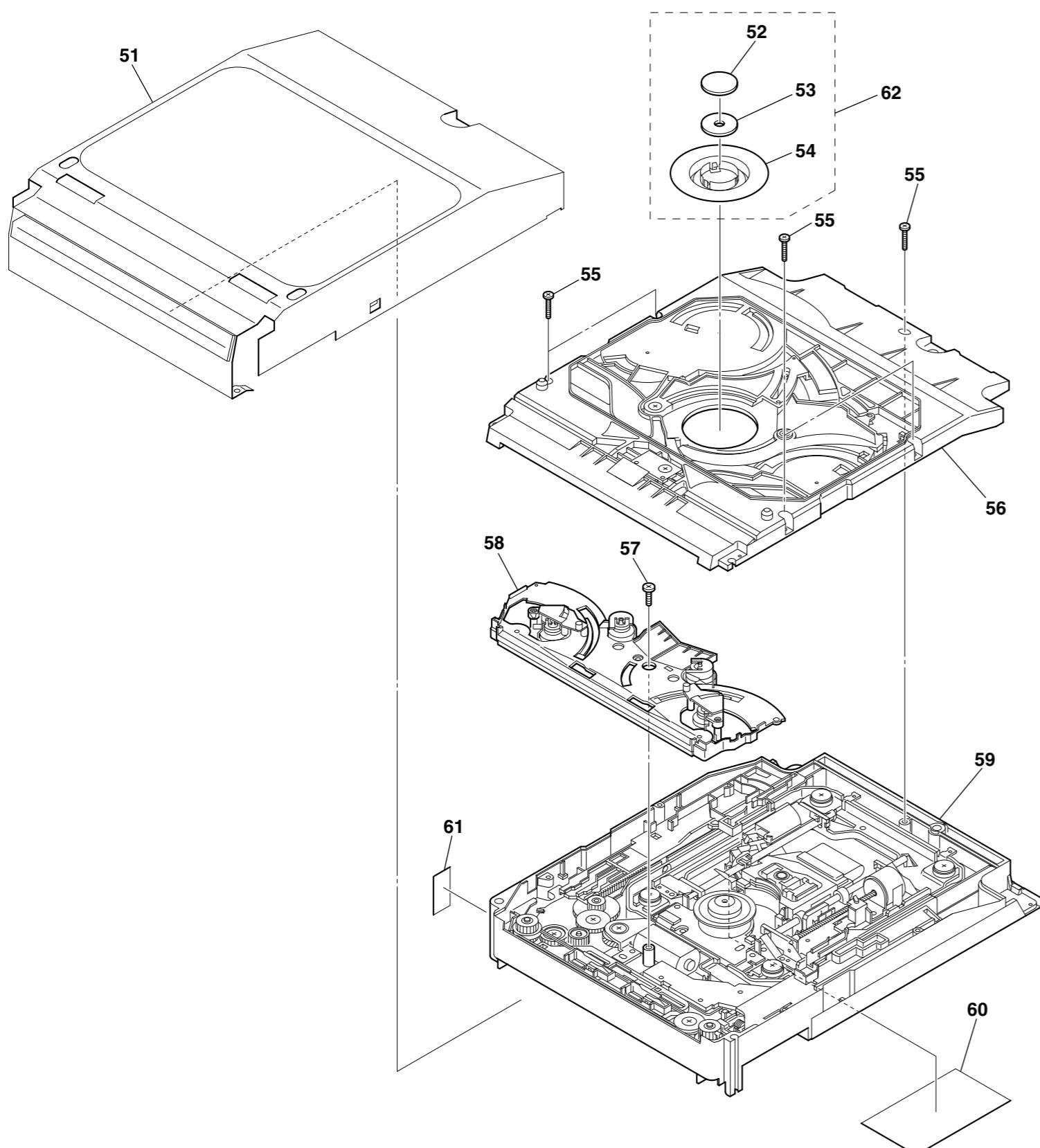
#### • LOADING COMPLETE ASSY (1.5G)

SC	Ref. No.	Part No.	Description	Remark
S $\triangle$	1	A-1433-712-A	LOADING COMPLETE ASSY (1.5G)	
U	2	A-1203-908-A	LOADING BLOCK ASSY	
S	3	2-894-364-02	SPRING (MD), LEAF	
S	4	3-948-339-12	SCREW, TAPPING	
U	5	3-074-552-02	O PLATE 2 MAIN 2X5 S TITE	
S	6	1-834-594-11	CABLE, FLEXIBLE FLAT (FFC-60)	
S	7	2-698-708-02	CUSHION (PWB)	
S	8	A-1433-743-A	BMD-002 COMPL (SERVICE)	
S	9	X-2177-119-1	SHIELD ASSY (MD)	

#### 3-1. LOADING COMPLETE ASSY SECTION

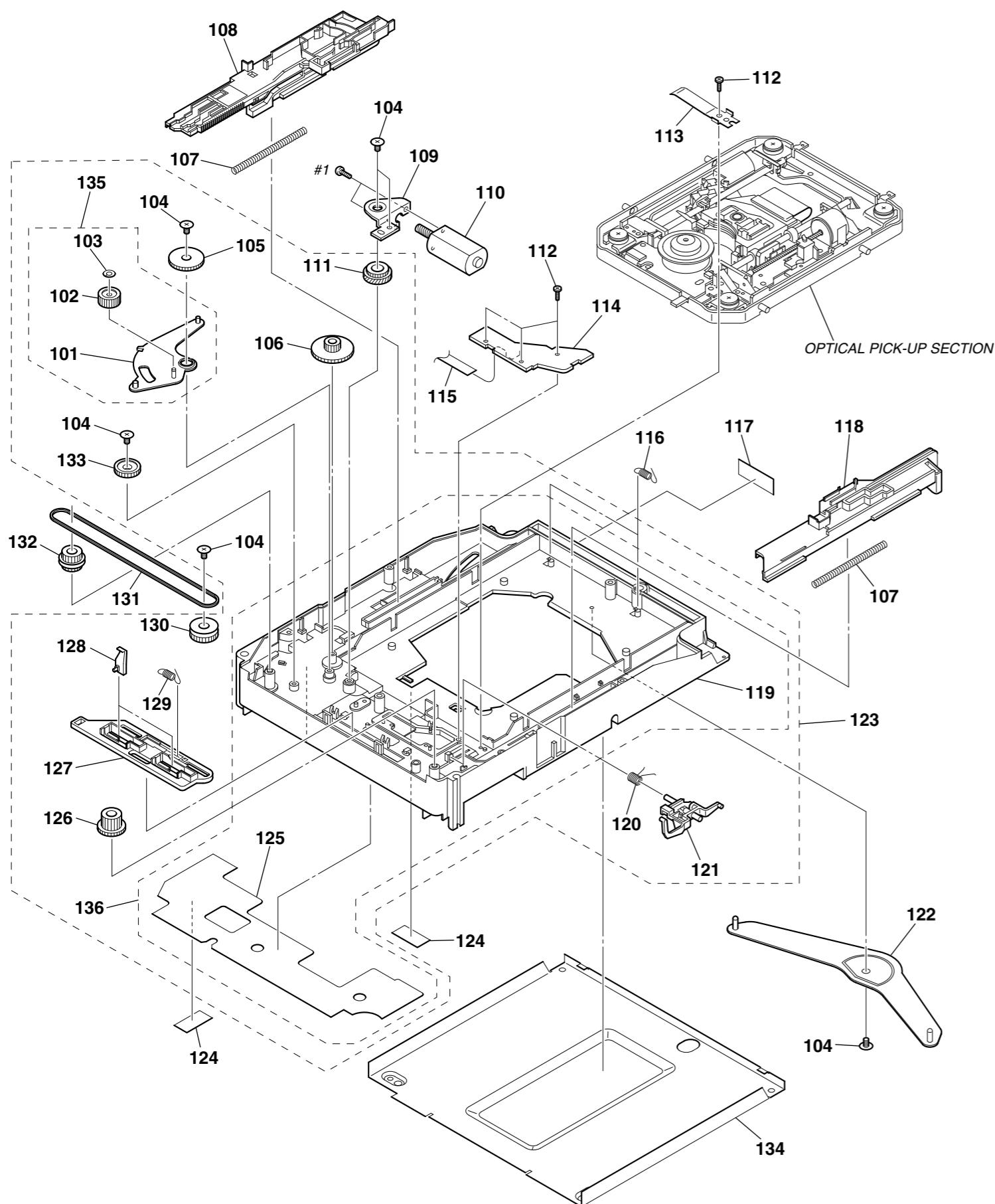


## 3-2. LOADING BLOCK ASSY SECTION



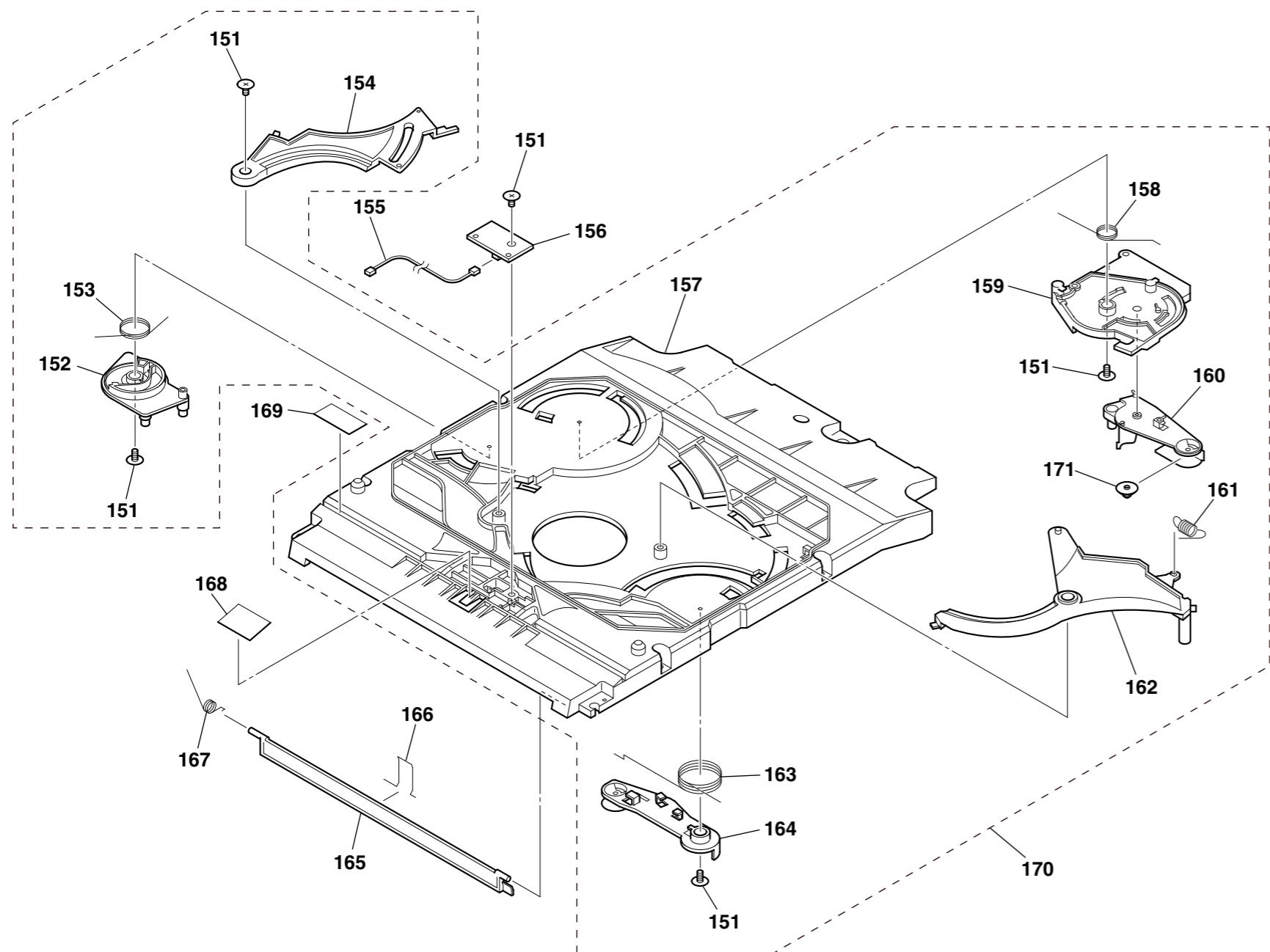
SC	Ref. No.	Part No.	Description	Remark
S	51	9-910-001-52	COVER ASSY, TOP	
U	52	2-698-683-01	YOKE (CHUCK PULLEY)	
U	53	1-471-407-11	MAGNET	
U	54	2-698-682-02	PULLEY, CHUCK	
S	55	3-948-339-12	SCREW, TAPPING	
S	56	A-1204-033-A	FRAME COMPLETE ASSY, TOP	
S	57	2-647-360-61	SCREW (B2), TAPPING	
S	58	A-1204-035-C	ARM ASSY, FRONT	
U	59	A-1203-909-A	FRAME COMPLETE ASSY, BASE	
S	60	2-888-817-01	LABEL, LASER CAUTION	
S	61	3-069-212-01	TAPE, HARNESS STOPPER	
S	62	A-1204-038-B	PULLEY ASSY, CHUCK	

### **3-3. BASE FRAME COMPLETE ASSY SECTION**



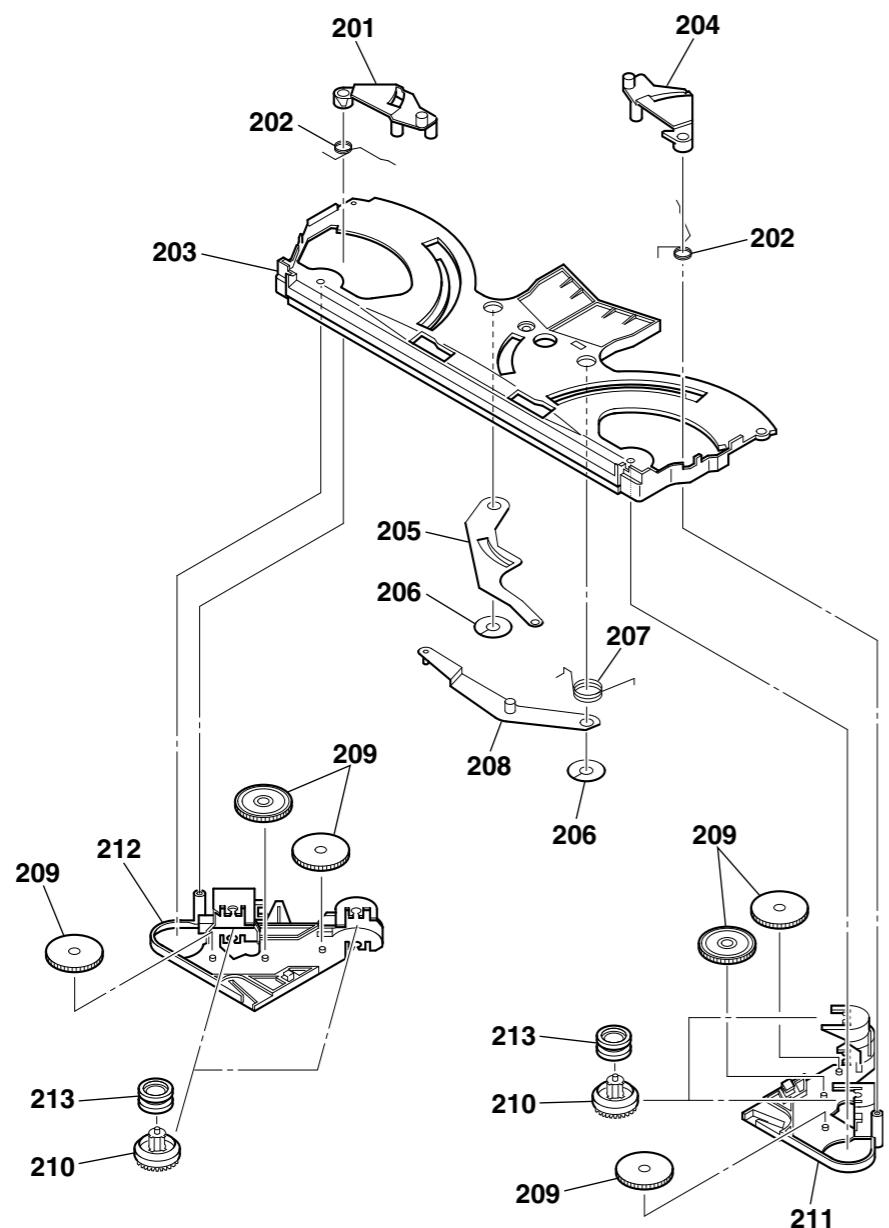
<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
U	101	X-2149-112-1	ARM SUB ASSY, SWING	
U	102	2-698-620-01	GEAR (SWING ARM)	
U	103	2-698-633-01	WASHER (GEAR)	
S	104	2-059-635-11	SCREW	
U	105	2-698-466-01	GEAR (A)	
U	106	2-698-467-01	GEAR (CAM DRIVING)	
U	107	2-698-652-01	SPRING (SLIDE CAM), COMPRESSION	
S	108	2-698-624-02	CAM (L), SLIDE	
S	109	2-698-629-01	BRACKET, MOTOR	
S	110	X-2149-103-1	MOTOR ASSY, LOADING	
U	111	2-698-465-01	WHEEL, WORM	
U	112	2-647-360-61	SCREW (B2), TAPPING	
U	113	2-698-630-01	SPRING (BU HOLDER), LEAF	
S	114	A-1267-250-A	BL1-001 COMPL (SERVICE)	
S	115	1-833-249-11	CABLE, FLEXIBLE FLAT (FFC-014)	
U	116	2-698-653-01	SPRING (BU HOLDER), EXTENSION	
S	117	2-890-570-01	LABEL, SERIAL NUMBER	
S	118	2-698-625-02	CAM (R), SLIDE	
U	119	2-698-626-02	FRAME, BASE	
U	120	2-698-664-01	SPRING (SHUTTER ARM), TORSION	
U	121	2-698-623-01	ARM, SHUTTER	
S	122	2-698-628-01	ARM, LINK	
S	123	A-1203-919-D	BASE FRAME ASSY	
S	124	3-069-212-01	TAPE, HARNESS STOPPER	
U	125	2-698-631-02	SHEET (BASE FRAME)	
U	126	2-698-617-01	GEAR (SHAFT R)	
U	127	2-698-621-01	SLIDER (SHUTTER), LOCK	
U	128	2-698-622-01	LEVER (SHUTTER), LOCK	
U	129	2-698-654-02	SPRING (LOCK SLIDER), EXTENSION	
U	130	2-698-618-01	GEAR (BELT)	
S	131	2-698-651-01	BELT (FRONT ARM)	
S	132	2-698-650-01	GEAR (SHAFT L)	
U	133	2-698-619-01	GEAR (IDLER)	
S	134	2-698-666-01	COVER, BOTTOM	
S	135	A-1203-920-A	ARM ASSY, SWING	
U	136	A-1204-032-B	FRAME SUB ASSY, BASE	
S	#1	7-627-554-38	SCREW PRECISION +P 2X1.8 TYPE1	

## 3-4. TOP FRAME COMPLETE ASSY SECTION



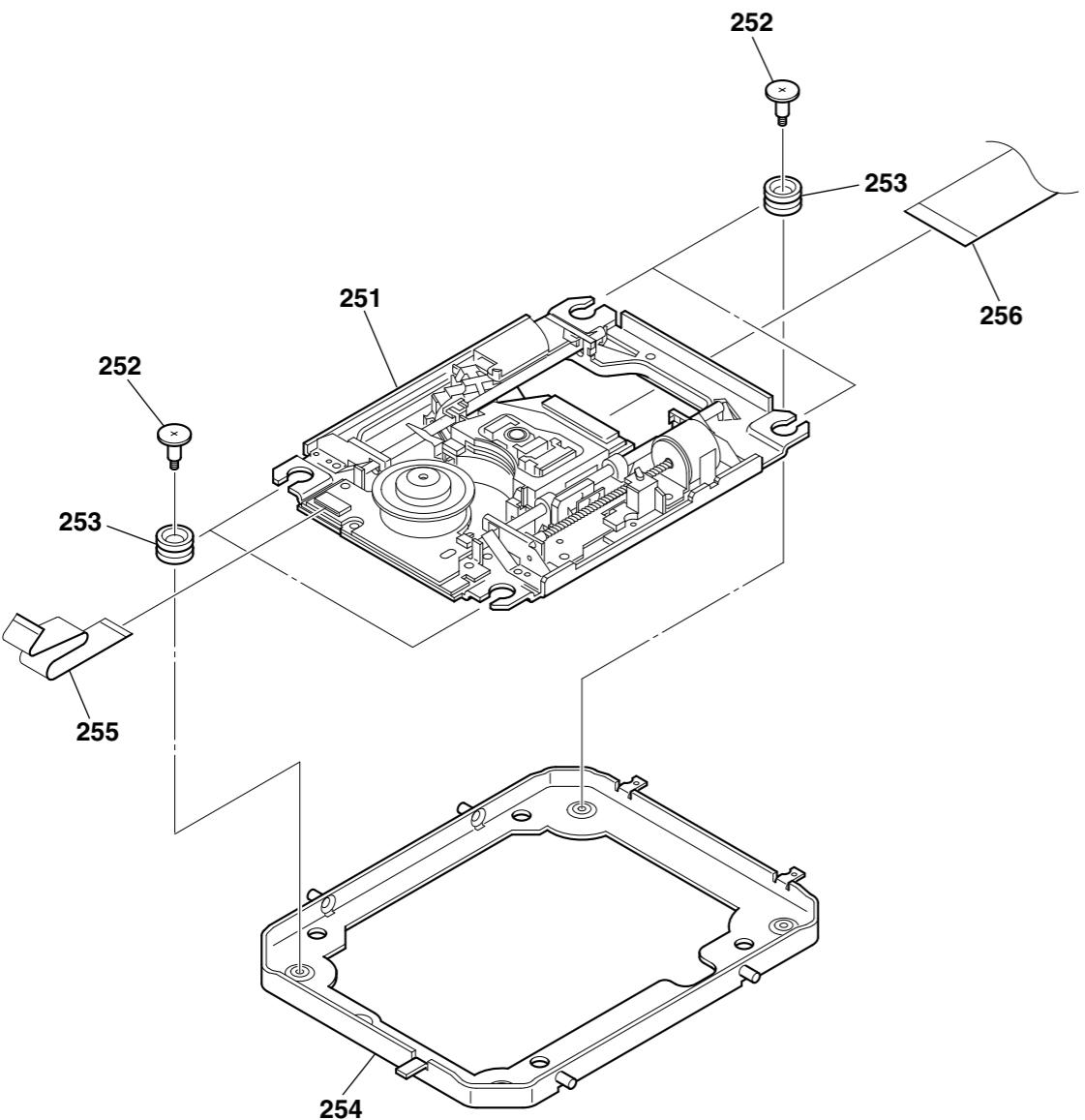
SC	Ref. No.	Part No.	Description	Remark
S	151	2-059-635-11	SCREW	
U	152	2-698-660-02	ARM (REAR GUIDE), LOCK	
U	153	2-698-686-01	SPRING (LOCK ARM), TORSION	
U	154	2-698-656-02	ARM (L), CHUCK	
S	155	1-964-978-11	HARNESS, 2PIN CONNECTOR (LED)	
U	156	A-1205-601-A	BL2-001 COMPL	
U	157	2-698-655-03	FRAME, TOP	
U	158	2-699-485-01	SPRING (REAR GUIDE ARM), TORSION	
U	159	2-698-661-02	ARM, REAR GUIDE	
U	160	2-889-123-03	ARM (A), DETECTION	
U	161	2-698-687-01	SPRING (CHUCK ARM), EXTENSION	
U	162	2-698-657-04	ARM (R), CHUCK	
U	163	2-698-685-01	SPRING (SUPPORT ARM), TORSION	
U	164	2-698-658-01	ARM, SUPPORT	
U	165	2-698-663-01	SHUTTER	
U	166	2-889-118-01	HOOK (SHUTTER)	
U	167	2-698-665-01	SPRING (SHUTTER), TORSION	
U	168	2-889-128-02	SHEET, FRAME TOP	
S	169	3-069-212-01	TAPE, HARNESS STOPPER	
U	170	A-1204-034-H	FRAME ASSY, TOP	
U	171	2-698-662-01	ROLLER (REAR GUIDE)	

## 3-5. FRONT ARM ASSY SECTION



SC	Ref. No.	Part No.	Description	Remark
U	201	2-698-697-02	LOCK (FRONT ARM L)	
U	202	2-698-699-03	SPRING (LOCK FA), TORSION	
U	203	2-698-688-04	BRACKET (FRONT ARM)	
U	204	2-698-698-02	LOCK (FRONT ARM R)	
U	205	2-698-694-01	ARM (FB), LINK	
U	206	2-698-633-01	WASHER (GEAR)	
U	207	2-698-710-01	SPRING (FRONT ARM), TORSION	
U	208	2-698-693-01	ARM (FA), LINK	
U	209	2-698-691-02	GEAR (FRONT ARM)	
U	210	2-698-692-02	GEAR (ROLLER)	
U	211	2-698-690-02	ARM (R), FRONT	
U	212	2-698-689-02	ARM (L), FRONT	
U	213	2-698-695-02	ROLLER, RUBBER	

## 3-6. OPTICAL PICK-UP SECTION



SC	Ref. No.	Part No.	Description	Remark
S△	251	8-820-372-03	DEVICE, OPTICAL KEM400AAA/J1NP1	
S	252	2-698-669-01	SCREW, STEP	
S	253	2-698-668-01	INSULATOR	
S	254	2-698-627-01	HOLDER, BU	
S	255	1-833-247-11	CABLE, FLEXIBLE FLAT (FFC-019)	
S	256	1-833-248-13	CABLE, FLEXIBLE FLAT (FFC-045)	

The components identified by mark 0 or dotted line with mark 0 are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque 0 sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

## 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 :  $\mu$ , for example:uA.. :  $\mu$ A.. uPA.. :  $\mu$ PA..uPB.. :  $\mu$ PB.. uPC.. :  $\mu$ PC.. uPD.. :  $\mu$ PD..

## • CAPACITORS

uF :  $\mu$ F

## • COILS

uH :  $\mu$ H

SC Ref. No. Part No. Description Remark SC Ref. No. Part No. Description Remark

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.

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

**SPECIAL COMPONENT NOTICE**

The components identified by mark  $\square$  contain confidential information.  
Strictly follow the instructions whenever the components are repaired and/or replaced.

## NOTE:

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

SC	Ref. No.	Part No.	Description	Remark	SC	Ref. No.	Part No.	Description	Remark
U	C196		CERAMIC CHIP	100PF 5% 50V	U	C321		CERAMIC CHIP	1uF 20% 6.3V
U	C197		CERAMIC CHIP	0.1uF 10% 10V	U	C322		CERAMIC CHIP	0.22uF 10% 6.3V
U	C198		CERAMIC CHIP	10uF 10% 16V	U	C323		CERAMIC CHIP	0.1uF 10% 10V
U	C199		CERAMIC CHIP	100PF 5% 50V	U	C324		CERAMIC CHIP	0.1uF 10% 10V
U	C200		CERAMIC CHIP	0.1uF 10% 10V	U	C325		CERAMIC CHIP	10uF 20% 16V
U	C203		CERAMIC CHIP	0.1uF 10% 10V	U	C326		CERAMIC CHIP	0.1uF 10% 10V
U	C206		CERAMIC CHIP	0.1uF 10% 10V	U	C327		CERAMIC CHIP	22PF 5% 50V
U	C207		CERAMIC CHIP	0.001uF 10% 50V	U	C328		CERAMIC CHIP	22PF 5% 50V
U	C209		CERAMIC CHIP	0.022uF 10% 16V	U	C329		CERAMIC CHIP	0.1uF 10% 10V
U	C213		CERAMIC CHIP	0.1uF 10% 10V	U	C330		CERAMIC CHIP	22PF 5% 50V
U	C215		CERAMIC CHIP	0.1uF 10% 10V	U	C331		CERAMIC CHIP	220PF 10% 50V
U	C217		CERAMIC CHIP	0.1uF 10% 10V	U	C332		CERAMIC CHIP	220PF 10% 50V
U	C218		CERAMIC CHIP	0.1uF 10% 10V	U	C333		CERAMIC CHIP	0.022uF 10% 16V
U	C219		CERAMIC CHIP	0.1uF 10% 10V	U	C334		CERAMIC CHIP	0.1uF 10% 10V
U	C221		CERAMIC CHIP	0.1uF 10% 10V	U	C335		CERAMIC CHIP	0.0047uF 10% 50V
U	C222		CERAMIC CHIP	0.1uF 10% 10V	U	C336		CERAMIC CHIP	0.1uF 10% 10V
U	C223		CERAMIC CHIP	0.22uF 10% 6.3V	U	C340		CERAMIC CHIP	220PF 10% 50V
U	C224		CERAMIC CHIP	0.1uF 10% 10V	U	C341		CERAMIC CHIP	0.0015uF 10% 50V
U	C225		CERAMIC CHIP	100PF 5% 50V	U	C342		CERAMIC CHIP	0.0033uF 10% 16V
U	C226		CERAMIC CHIP	0.1uF 10% 10V	U	C343		CERAMIC CHIP	0.1uF 10% 10V
U	C227		CERAMIC CHIP	0.1uF 10% 10V	U	C345		CERAMIC CHIP	0.1uF 10% 10V
U	C228		CERAMIC CHIP	0.1uF 10% 10V	U	C348		CERAMIC CHIP	0.1uF 10% 10V
U	C232		CERAMIC CHIP	0.1uF 10% 10V	U	C349		CERAMIC CHIP	0.1uF 10% 10V
U	C233		CERAMIC CHIP	0.1uF 10% 10V	U	C350		CERAMIC CHIP	0.1uF 10% 10V
U	C234		CERAMIC CHIP	0.1uF 10% 10V	U	C351		CERAMIC CHIP	0.1uF 10% 10V
U	C235		CERAMIC CHIP	0.1uF 10% 10V	U	C352		CERAMIC CHIP	0.1uF 10% 10V
U	C236		CERAMIC CHIP	0.1uF 10% 10V	U	C353		CERAMIC CHIP	0.001uF 10% 50V
U	C237		CERAMIC CHIP	100PF 5% 50V	U	C354		CERAMIC CHIP	0.001uF 10% 50V
U	C238		CERAMIC CHIP	22uF 20% 16V	U	C356		CERAMIC CHIP	0.001uF 10% 50V
U	C239		CERAMIC CHIP	0.1uF 10% 10V	U	C357		CERAMIC CHIP	0.001uF 10% 50V
U	C240		CERAMIC CHIP	0.1uF 10% 10V	U	C358		CERAMIC CHIP	0.068uF 10% 10V
U	C241		CERAMIC CHIP	0.1uF 10% 10V	U	C359		CERAMIC CHIP	0.1uF 10% 10V
U	C242		CERAMIC CHIP	0.1uF 10% 10V	U	C360		CERAMIC CHIP	0.001uF 10% 50V
U	C243		ELECT CHIP	220uF 20% 16V	U	C361		CERAMIC CHIP	0.0068uF 10% 16V
U	C244		CERAMIC CHIP	0.001uF 10% 50V	U	C362		CERAMIC CHIP	0.0068uF 10% 16V
U	C156		CERAMIC CHIP	0.1uF 20% 16V	U	C250		CERAMIC CHIP	0.1uF 10% 10V
U	C157		CERAMIC CHIP	0.1uF 10% 10V	U	C251		CERAMIC CHIP	0.1uF 10% 10V
U	C158		CERAMIC CHIP	0.1uF 20% 16V	U	C254		CERAMIC CHIP	0.1uF 10% 10V
U	C161		CERAMIC CHIP	0.1uF 20% 16V	U	C273		CERAMIC CHIP	0.1uF 10% 10V
U	C162		CERAMIC CHIP	10uF 10% 16V	U	C300		CERAMIC CHIP	0.1uF 10% 10V
U	C175		CERAMIC CHIP	0.01uF 10% 25V	U	C301		CERAMIC CHIP	0.1uF 10% 10V
U	C176		CERAMIC CHIP	0.1uF 10% 10V	U	C302		CERAMIC CHIP	0.1uF 10% 10V
U	C178		CERAMIC CHIP	0.1uF 10% 10V	U	C303		CERAMIC CHIP	0.1uF 10% 10V
U	C179		CERAMIC CHIP	0.1uF 10% 10V	U	C304		CERAMIC CHIP	0.33uF 20% 10V
U	C180		CERAMIC CHIP	0.1uF 10% 10V	U	C306		CERAMIC CHIP	0.1uF 10% 10V
U	C181		CERAMIC CHIP	0.1uF 10% 10V	U	C307		CERAMIC CHIP	470PF 10% 50V
U	C182		CERAMIC CHIP	0.1uF 10% 10V	U	C308		CERAMIC CHIP	0.1uF 10% 10V
U	C183		CERAMIC CHIP	0.1uF 10% 10V	U	C310		CERAMIC CHIP	0.0068uF 10% 16V
U	C184		CERAMIC CHIP	0.1uF 10% 10V	U	C311		CERAMIC CHIP	0.1uF 10% 10V
U	C185		CERAMIC CHIP	0.1uF 10% 10V	U	C312		CERAMIC CHIP	0.001uF 10% 50V
S	$\square$ A-1267-249-A	BMD-001 COMPL (SERVICE)	CERAMIC CHIP	0.1uF 10% 10V	U	C313		CERAMIC CHIP	0.001uF 10% 50V
S		*****	CERAMIC CHIP	0.1uF 10% 10V	U	C314		CERAMIC CHIP	0.01uF 25V
S		*****	CERAMIC CHIP	0.001uF 10% 50V	U	C315		CERAMIC CHIP	0.1uF 10% 10V
S		< CAPACITOR >	CERAMIC CHIP	0.1uF 10% 10V	U	C316		CERAMIC CHIP	0.1uF 10% 10V
U	C190		CERAMIC CHIP	47PF 5% 50V	U	C317		CERAMIC CHIP	0.1uF 10% 10V
U	C191		CERAMIC CHIP	47PF 5% 50V	U	C318		CERAMIC CHIP	0.1uF 10% 10V
U	C192		CERAMIC CHIP	100PF 5% 50V	U	C319		CERAMIC CHIP	0.1uF 10% 10V
U	C193		CERAMIC CHIP	100PF 5% 50V	U	C320		CERAMIC CHIP	0.1uF 10% 10V
U	C194		CERAMIC CHIP	0.01uF 10% 25V					
U	C195		CERAMIC CHIP	0.1uF 10% 10V					

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	SC	Ref. No.	Part No.	Description	Remark
U	C395		CERAMIC CHIP	15PF 5%	50V	U	C557		CERAMIC CHIP	0.1uF 10%	10V	U	C616		CERAMIC CHIP	100PF 5%	50V						< FILTER >	
U	C396		CERAMIC CHIP	15PF 5%	50V	U	C558		CERAMIC CHIP	0.1uF 10%	10V	U	C617		CERAMIC CHIP	0.1uF 10%	10V						FILTER, EMI REMOVAL (SMD)	
U	C399		CERAMIC CHIP	0.1uF 10%	10V	U	C559		CERAMIC CHIP	0.1uF 10%	10V	U	C620		CERAMIC CHIP	0.1uF 10%	10V	U	FL103				FILTER, EMI REMOVAL (SMD)	
U	C400		CERAMIC CHIP	0.1uF 10%	10V	U	C560		CERAMIC CHIP	0.1uF 10%	10V	U	C621		CERAMIC CHIP	0.1uF 10%	10V	U	FL104				FILTER, EMI REMOVAL (SMD)	
U	C401		CERAMIC CHIP	0.0068uF 10%	16V	U	C561		CERAMIC CHIP	0.1uF 10%	10V	U	C622		CERAMIC CHIP	0.1uF 10%	10V	U	FL500				FILTER, EMI REMOVAL (SMD)	
U	C402		CERAMIC CHIP	0.0068uF 10%	16V	U	C562		CERAMIC CHIP	0.1uF 10%	10V	U	C623		CERAMIC CHIP	0.1uF 10%	10V	U	FL502				FILTER, EMI REMOVAL (SMD)	
U	C450		CERAMIC CHIP	100PF 5%	50V	U	C563		CERAMIC CHIP	0.1uF 10%	10V	U	C624		CERAMIC CHIP	0.1uF 10%	10V	U	FL503				FILTER, EMI REMOVAL (SMD)	
U	C451		CERAMIC CHIP	100PF 5%	50V	U	C564		CERAMIC CHIP	0.1uF 10%	10V	U	C625		CERAMIC CHIP	0.1uF 10%	10V	U					< IC >	
U	C452		CERAMIC CHIP	100PF 5%	50V	U	C565		CERAMIC CHIP	0.1uF 10%	10V	U	C626		CERAMIC CHIP	0.1uF 10%	10V	U						
U	C453		CERAMIC CHIP	100PF 5%	50V	U	C566		CERAMIC CHIP	0.1uF 10%	10V	U	C627		CERAMIC CHIP	0.1uF 10%	10V	U						
U	C454		CERAMIC CHIP	100PF 5%	50V	U	C567		CERAMIC CHIP	0.1uF 10%	10V	U	C628		CERAMIC CHIP	0.1uF 10%	10V	U	IC103				IC BD7956FS-E2	
U	C455		CERAMIC CHIP	0.1uF 10%	10V	U	C568		CERAMIC CHIP	0.1uF 10%	10V	U	C629		CERAMIC CHIP	0.1uF 10%	10V	U	IC108				IC BA5888FP-E2	
U	C456		CERAMIC CHIP	100PF 5%	50V	U	C569		CERAMIC CHIP	0.1uF 10%	10V	U	C630		CERAMIC CHIP	0.1uF 10%	10V	U	IC110				IC CXA2720R-TL	
U	C457		CERAMIC CHIP	0.1uF 10%	10V	U	C570		CERAMIC CHIP	0.1uF 10%	10V	U	C631		CERAMIC CHIP	0.1uF 10%	10V	U	IC300				IC CXD5063GG-1	
U	C458		CERAMIC CHIP	0.1uF 10%	10V	U	C571		CERAMIC CHIP	0.1uF 10%	10V	U	C632		CERAMIC CHIP	0.1uF 10%	10V	U	IC303				IC NJM13403V(TE2)	
U	C460		CERAMIC CHIP	100PF 5%	50V	U	C572		CERAMIC CHIP	0.1uF 10%	10V	U	C633		CERAMIC CHIP	0.1uF 10%	10V	U	IC304	■				
U	C500		CERAMIC CHIP	1uF 10%	6.3V	U	C573		CERAMIC CHIP	0.1uF 10%	10V	U	C634		CERAMIC CHIP	0.1uF 10%	10V	U	IC309				IC K4S641632K-UC75T	
U	C501		CERAMIC CHIP	0.47uF 10%	6.3V	U	C574		CERAMIC CHIP	0.1uF 10%	10V	U	C635		CERAMIC CHIP	0.1uF 10%	10V	U	IC310				IC MX25L1005MC-12G	
U	C503		CERAMIC CHIP	100PF 5%	50V	U	C575		CERAMIC CHIP	0.1uF 10%	10V	U	C636		CERAMIC CHIP	0.1uF 10%	10V	U	IC500				IC PST3629UL	
U	C504		CERAMIC CHIP	100uF 20%	6.3V	U	C576		CERAMIC CHIP	0.1uF 10%	10V	U	C637		CERAMIC CHIP	0.1uF 10%	10V	U	IC501				IC PST3814UL	
U	C505		CERAMIC CHIP	1uF 10%	16V	U	C577		CERAMIC CHIP	0.1uF 10%	10V	U	C638		CERAMIC CHIP	0.1uF 10%	10V	U	IC503				IC TPS64201DBVRG4	
U	C506		CERAMIC CHIP	10uF 20%	16V	U	C578		CERAMIC CHIP	0.1uF 10%	10V	U	C639		CERAMIC CHIP	0.1uF 10%	10V	U	IC504				IC CXD5064R-T6	
U	C507		CERAMIC CHIP	22uF 20%	16V	U	C579		CERAMIC CHIP	0.1uF 10%	10V	U	C640		CERAMIC CHIP	0.1uF 10%	10V	U	IC506				IC MM3292FNRE	
U	C508		CERAMIC CHIP	0.1uF 10%	10V	U	C580		CERAMIC CHIP	0.1uF 10%	10V	U	C641		CERAMIC CHIP	0.1uF 10%	10V	U	IC507				IC TC7WH74FK(TE85R)	
U	C509		CERAMIC CHIP	0.1uF 10%	10V	U	C581		CERAMIC CHIP	0.1uF 10%	10V	U	C642		CERAMIC CHIP	0.1uF 10%	10V	U	IC508				IC TPS64203DBVRG4	
U	C510		CERAMIC CHIP	0.1uF 10%	10V	U	C583		CERAMIC CHIP	0.1uF 10%	10V	U	C643		CERAMIC CHIP	0.1uF 10%	10V	U	IC509				IC BD7800FP-E2	
U	C512		CERAMIC CHIP	0.22uF 10%	6.3V	U	C584		CERAMIC CHIP	0.1uF 10%	10V	U	C644		CERAMIC CHIP	0.1uF 10%	10V	U					< COIL >	
U	C523		CERAMIC CHIP	1uF 20%	6.3V	U	C585		CERAMIC CHIP	0.1uF 10%	10V	U	C645		CERAMIC CHIP	0.1uF 10%	10V	U						
U	C527		CERAMIC CHIP	0.1uF 10%	10V	U	C586		CERAMIC CHIP	0.1uF 10%	10V	U	C646		CERAMIC CHIP	0.1uF 10%	10V	U	L100				COIL, CHOKE 150uH	
U	C528		CERAMIC CHIP	0.1uF 10%	10V	U	C587		CERAMIC CHIP	0.1uF 10%	10V	U	C647		CERAMIC CHIP	0.1uF 10%	10V	U	L101				COIL, CHOKE 10uH	
U	C529		CERAMIC CHIP	0.1uF 10%	10V	U	C588		CERAMIC CHIP	0.1uF 10%	10V	U	C648		CERAMIC CHIP	1uF 10%	6.3V	U	L103				COIL, CHOKE 4.7uH	
U	C530		CERAMIC CHIP	0.1uF 10%	10V	U	C589		CERAMIC CHIP	0.1uF 10%	10V	U	C649		CERAMIC CHIP	1uF 10%	6.3V	U	L500				COIL, CHOKE 10uH	
U	C531		CERAMIC CHIP	0.1uF 10%	10V	U	C590		CERAMIC CHIP	0.1uF 10%	10V	U	C650		CERAMIC CHIP	0.1uF 10%	16V	U	L503				COIL, CHOKE 10uH	
U	C532		CERAMIC CHIP	0.1uF 10%	10V	U	C591		CERAMIC CHIP	0.1uF 10%	10V	U	C651		CERAMIC CHIP	0.1uF 10%	16V	U	L506				COIL, CHOKE 1uH	
U	C533		CERAMIC CHIP	0.1uF 10%	10V	U	C592		CERAMIC CHIP	0.1uF 10%	10V	U	C652		CERAMIC CHIP	0.1uF 10%	10V	U	L507				COIL, CHOKE 4.7uH	
U	C534		CERAMIC CHIP	0.1uF 10%	10V	U	C593		CERAMIC CHIP	0.1uF 10%	10V	U						U	L100				< CONNECTOR >	
U	C535		CERAMIC CHIP	0.1uF 10%	10V	U	C594		CERAMIC CHIP	0.1uF 10%	10V	U						U	L101				< CONNECTOR >	
U	C536		CERAMIC CHIP	0.1uF 10%	10V	U	C595		CERAMIC CHIP	0.1uF 10%	10V	U	U△ CN100		CONNECTOR, FFC/FPC (ZIF) 19P			U	L103				INDUCTOR (EMI FERRITE) (2012)	

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				
< RESISTOR >																							
U	R101	RES-CHIP	68	5%	1/16W	U	R241	METAL CHIP	1	5%	1/3W	U	R342	METAL CHIP	4.7K	0.5%	1/16W	U	R418	RES-CHIP	1K	5%	1/16W
U	R102	RES-CHIP	180	5%	1/16W	U	R242	SHORT CHIP	0			U	R343	METAL CHIP	4.7K	0.5%	1/16W	U	R419	RES-CHIP	82	5%	1/16W
U	R104	SHORT CHIP	0			U	R243	METAL CHIP	22	5%	1/10W	U	R344	RES-CHIP	470	5%	1/16W	U	R420	RES-CHIP	82	5%	1/16W
U	R105	RES-CHIP	10K	5%	1/16W	U	R244	METAL CHIP	22	5%	1/10W	U	R346	RES-CHIP	1.5K	5%	1/16W	U	R421	RES-CHIP	82	5%	1/16W
U	R106	RES-CHIP	10K	5%	1/16W	U	R245	METAL CHIP	22	5%	1/10W	U	R348	METAL CHIP	4.7K	0.5%	1/16W	U	R422	RES-CHIP	22	5%	1/16W
U	R107	RES-CHIP	47K	5%	1/16W	U	R246	METAL CHIP	22	5%	1/10W	U	R349	METAL CHIP	22K	0.5%	1/16W	U	R423	RES-CHIP	82	5%	1/16W
U	R108	RES-CHIP	47K	5%	1/16W	U	R258	RES-CHIP	680K	5%	1/16W	U	R350	METAL CHIP	22K	0.5%	1/16W	U	R424	SHORT CHIP	0		
U	R109	RES-CHIP	47K	5%	1/16W	U	R259	METAL CHIP	5.6	5%	1/3W	U	R351	METAL CHIP	4.7K	0.5%	1/16W	U	R425	RES-CHIP	82	5%	1/16W
U	R110	RES-CHIP	47K	5%	1/16W	U	R260	METAL CHIP	100	5%	1W	U	R352	METAL CHIP	10K	0.5%	1/16W	U	R426	RES-CHIP	82	5%	1/16W
U	R111	RES-CHIP	10K	5%	1/16W	U	R265	METAL CHIP	22K	0.5%	1/16W	U	R354	METAL CHIP	4.7K	0.5%	1/16W	U	R427	RES-CHIP	22	5%	1/16W
U	R112	SHORT CHIP	0			U	R267	METAL CHIP	22K	0.5%	1/16W	U	R355	SHORT CHIP	0			U	R430	RES-CHIP	82	5%	1/16W
U	R114	SHORT CHIP	0			U	R268	RES-CHIP	10K	5%	1/16W	U	R357	RES-CHIP	4.7K	5%	1/16W	U	R431	RES-CHIP	82	5%	1/16W
U	R118	SHORT CHIP	0			U	R269	RES-CHIP	10K	5%	1/16W	U	R358	METAL CHIP	4.7K	0.5%	1/16W	U	R432	METAL CHIP	4.7K	0.5%	1/16W
U	R119	SHORT CHIP	0			U	R270	RES-CHIP	2.2K	5%	1/16W	U	R359	RES-CHIP	1K	5%	1/16W	U	R433	METAL CHIP	4.7K	0.5%	1/16W
U	R121	RES-CHIP	10K	5%	1/16W	U	R272	RES-CHIP	100	5%	1/16W	U	R361	METAL CHIP	22K	0.5%	1/16W	U	R435	RES-CHIP	1K	5%	1/16W
U	R122	RES-CHIP	100	5%	1/16W	U	R273	RES-CHIP	100	5%	1/16W	U	R363	METAL CHIP	22K	0.5%	1/16W	U	R436	RES-CHIP	1K	5%	1/16W
U	R124	METAL CHIP	12K	0.5%	1/16W	U	R277	RES-CHIP	47K	5%	1/16W	U	R365	SHORT CHIP	0			U	R437	RES-CHIP	1K	5%	1/16W
U	R126	RES-CHIP	1K	5%	1/16W	U	R282	RES-CHIP	47K	5%	1/16W	U	R366	METAL CHIP	47K	0.5%	1/16W	U	R438	RES-CHIP	1K	5%	1/16W
U	R127	SHORT CHIP	0			U	R283	RES-CHIP	10	5%	1/16W	U	R368	RES-CHIP	100	5%	1/16W	U	R443	RES-CHIP	10K	5%	1/16W
U	R133	SHORT CHIP	0			U	R284	RES-CHIP	10	5%	1/16W	U	R369	RES-CHIP	100	5%	1/16W	U	R444	METAL CHIP	47K	0.5%	1/16W
U	R135	SHORT CHIP	0			U	R285	RES-CHIP	10	5%	1/16W	U	R370	RES-CHIP	100	5%	1/16W	U	R449	RES-CHIP	47K	5%	1/16W
U	R136	SHORT CHIP	0			U	R288	SHORT CHIP	0			U	R371	RES-CHIP	100	5%	1/16W	U	R452	RES-CHIP	47K	5%	1/16W
U	R139	METAL CHIP	3.3K	0.5%	1/16W	U	R289	SHORT CHIP	0			U	R372	RES-CHIP	100	5%	1/16W	U	R453	RES-CHIP	47K	5%	1/16W
U	R163	METAL CHIP	0.33	1%	1/2W	U	R290	SHORT CHIP	0			U	R374	RES-CHIP	47K	5%	1/16W	U	R454	RES-CHIP	47K	5%	1/16W
U	R171	SHORT CHIP	0			U	R291	SHORT CHIP	0			U	R375	RES-CHIP	47K	5%	1/16W	U	R458	SHORT CHIP	0		
U	R180	METAL CHIP	0.56	5%	1/3W	U	R293	SHORT CHIP	0			U	R376	RES-CHIP	47K	5%	1/16W	U	R459	RES-CHIP	10K	5%	1/16W
U	R181	METAL CHIP	0.56	5%	1/3W	U	R294	SHORT CHIP	0			U	R377	RES-CHIP	47K	5%	1/16W	U	R460	RES-CHIP	10K	5%	1/16W
U	R187	METAL CHIP	10K	0.5%	1/16W	U	R295	SHORT CHIP	0			U	R378	RES-CHIP	47K	5%	1/16W	U	R461	RES-CHIP	100	5%	1/16W
U	R199	SHORT CHIP	0			U	R296	SHORT CHIP	0			U	R379	SHORT CHIP	0			U	R462	RES-CHIP	100	5%	1/16W
U	R201	SHORT CHIP	0			U	R297	SHORT CHIP	0			U	R380	RES-CHIP	4.7K	5%	1/16W	U	R463	RES-CHIP	100K	5%	1/16W
U	R202	METAL CHIP	12K	0.5%	1/16W	U	R298	SHORT CHIP	0			U	R381	RES-CHIP	4.7K	5%	1/16W	U	R464	RES-CHIP	10K	5%	1/16W
U	R203	METAL CHIP	24K	0.5%	1/16W	U	R299	SHORT CHIP	0			U	R382	RES-CHIP	4.7K	5%	1/16W	U	R465	RES-CHIP	10K	5%	1/16W
U	R204	RES-CHIP	10K	5%	1/16W	U	R300	METAL CHIP	2.2K	0.5%	1/16W	U	R384	RES-CHIP	47K	5%	1/16W	U	R471	SHORT CHIP	0		
U	R206	SHORT CHIP	0			U	R301	RES-CHIP	47K	5%	1/16W	U	R386	RES-CHIP	47K	5%	1/16W	U	R498	SHORT CHIP	0		
U	R212	METAL CHIP	1.8K	0.5%	1/16W	U	R302	RES-CHIP	47K	5%	1/16W	U	R387	RES-CHIP	47K	5%	1/16W	U	R502	RES-CHIP	10	5%	1/16W
U	R214	RES-CHIP	15K	5%	1/16W	U	R303	RES-CHIP	47K	5%	1/16W	U	R388	RES-CHIP	47K	5%	1/16W	U	R503	METAL CHIP	0.047	1%	1/4W
U	R217	RES-CHIP	10K	5%	1/16W	U	R304	RES-CHIP	47K	5%	1/16W	U	R389	METAL CHIP	10K	0.5%	1/16W	U	R504	RES-CHIP	47K	5%	1/16W
U	R218	RES-CHIP	100	5%	1/16W	U	R305	RES-CHIP	47K	5%	1/16W	U	R391	METAL CHIP	10K	0.5%	1/16W	U	R506	METAL CHIP	560K	0.5%	1/16W
U	R219	RES-CHIP	100	5%	1/16W	U	R307	RES-CHIP	47K	5%	1/16W	U	R392	METAL CHIP	10K	0.5%	1/16W	U	R508	METAL CHIP	330K	0.5%	1/16W
U	R222	METAL CHIP	1	5%	1/3W	U	R309																

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	R530		RES-CHIP	10K	5%	1/16W	U	C115	CERAMIC CHIP	0.1uF	20%	16V	U	C227	CERAMIC CHIP	0.1uF	10%	10V	U	C360	CERAMIC CHIP	0.001uF	10%	50V
U	R531		RES-CHIP	10K	5%	1/16W	U	C117	CERAMIC CHIP	0.1uF	20%	16V	U	C228	CERAMIC CHIP	0.1uF	10%	10V	U	C361	CERAMIC CHIP	0.0068uF	10%	16V
U	R532		RES-CHIP	10K	5%	1/16W	U	C119	CERAMIC CHIP	0.1uF	20%	16V	U	C232	CERAMIC CHIP	0.1uF	10%	10V	U	C362	CERAMIC CHIP	0.0068uF	10%	16V
U	R533		RES-CHIP	10K	5%	1/16W	U	C126	CERAMIC CHIP	2.2uF	20%	16V	U	C233	CERAMIC CHIP	0.1uF	10%	10V	U	C363	CERAMIC CHIP	0.0068uF	10%	16V
U	R534		RES-CHIP	10K	5%	1/16W	U	C133	CERAMIC CHIP	22uF	20%	16V	U	C235	CERAMIC CHIP	0.1uF	10%	10V	U	C364	CERAMIC CHIP	0.1uF	10%	10V
U	R535		RES-CHIP	10K	5%	1/16W	U	C135	CERAMIC CHIP	0.1uF	20%	16V	U	C236	CERAMIC CHIP	0.1uF	10%	10V	U	C365	CERAMIC CHIP	0.0068uF	10%	16V
U	R536		RES-CHIP	10K	5%	1/16W	U	C136	CERAMIC CHIP	470PF	10%	50V	U	C237	CERAMIC CHIP	100PF	5%	50V	U	C366	CERAMIC CHIP	0.1uF	10%	10V
U	R537		RES-CHIP	10K	5%	1/16W	U	C139	CERAMIC CHIP	0.01uF	10%	25V	U	C238	CERAMIC CHIP	22uF	20%	10V	U	C367	CERAMIC CHIP	0.1uF	10%	10V
U	R538		RES-CHIP	10K	5%	1/16W	U	C140	CERAMIC CHIP	0.01uF	10%	25V	U	C239	CERAMIC CHIP	0.1uF	10%	10V	U	C368	CERAMIC CHIP	0.1uF	10%	10V
U	R539		RES-CHIP	10K	5%	1/16W	U	C141	CERAMIC CHIP	0.01uF	10%	25V	U	C240	CERAMIC CHIP	0.1uF	10%	10V	U	C369	CERAMIC CHIP	0.1uF	10%	10V
U	R540		RES-CHIP	10K	5%	1/16W	U	C144	CERAMIC CHIP	0.1uF	10%	10V	U	C241	CERAMIC CHIP	0.1uF	10%	10V	U	C370	CERAMIC CHIP	0.1uF	10%	10V
U	R541		SHORT CHIP	0			U	C154	CERAMIC CHIP	0.01uF	10%	25V	U	C242	CERAMIC CHIP	0.1uF	10%	10V	U	C371	CERAMIC CHIP	0.1uF	10%	10V
U	R542		SHORT CHIP	0			U	C155	CERAMIC CHIP	0.1uF	20%	16V	U	C243	ELECT CHIP	220uF	20%	16V	U	C372	CERAMIC CHIP	0.1uF	10%	10V
U	R543		SHORT CHIP	0			U	C156	CERAMIC CHIP	0.1uF	20%	16V	U	C244	CERAMIC CHIP	0.001uF	10%	50V	U	C374	CERAMIC CHIP	0.1uF	10%	10V
U	R544		RES-CHIP	100	5%	1/16W	U	C157	CERAMIC CHIP	0.1uF	10%	10V	U	C251	CERAMIC CHIP	0.1uF	10%	10V	U	C375	CERAMIC CHIP	0.1uF	10%	10V
U	R545		RES-CHIP	100	5%	1/16W	U	C158	CERAMIC CHIP	0.1uF	20%	16V	U	C273	CERAMIC CHIP	0.1uF	10%	10V	U	C380	CERAMIC CHIP	0.1uF	10%	10V
U	R546		SHORT CHIP	0			U	C161	CERAMIC CHIP	0.1uF	20%	16V	U	C302	CERAMIC CHIP	0.1uF	10%	10V	U	C381	CERAMIC CHIP	0.1uF	10%	10V
U	R547		SHORT CHIP	0			U	C162	CERAMIC CHIP	10uF	20%	16V	U	C303	CERAMIC CHIP	0.33uF	20%	10V	U	C382	CERAMIC CHIP	0.1uF	10%	10V
U	R549		RES-CHIP	47K	5%	1/16W	U	C175	CERAMIC CHIP	0.01uF	10%	25V	U	C305	CERAMIC CHIP	0.1uF	10%	10V	U	C383	CERAMIC CHIP	0.1uF	10%	10V
U	R550		RES-CHIP	47K	5%	1/16W	U	C176	CERAMIC CHIP	0.1uF	10%	10V	U	C306	CERAMIC CHIP	0.1uF	10%	10V	U	C386	CERAMIC CHIP	0.1uF	10%	10V
U	R551		RES-CHIP	47K	5%	1/16W	U	C178	CERAMIC CHIP	0.1uF	10%	10V	U	C307	CERAMIC CHIP	470PF	10%	50V	U	C389	CERAMIC CHIP	0.1uF	10%	10V
U	R552		SHORT CHIP	0			U	C179	CERAMIC CHIP	0.1uF	10%	10V	U	C308	CERAMIC CHIP	0.1uF	10%	10V	U	C390	CERAMIC CHIP	0.1uF	10%	10V
U	R553		RES-CHIP	10K	5%	1/16W	U	C180	CERAMIC CHIP	0.1uF	10%	10V	U	C310	CERAMIC CHIP	0.0068uF	10%	16V	U	C391	CERAMIC CHIP	0.1uF	10%	10V
U	R555		RES-CHIP	10K	5%	1/16W	U	C181	CERAMIC CHIP	0.1uF	10%	10V	U	C311	CERAMIC CHIP	0.1uF	10%	10V	U	C392	CERAMIC CHIP	0.1uF	10%	10V
U	R556		SHORT CHIP	0			U	C182	CERAMIC CHIP	0.1uF	10%	10V	U	C312	CERAMIC CHIP	0.001uF	10%	50V	U	C399	CERAMIC CHIP	0.1uF	10%	10V
< NETWORK RESISTOR >						U	C183	CERAMIC CHIP	0.1uF	10%	10V	U	C313	CERAMIC CHIP	0.001uF	10%	50V	U	C400	CERAMIC CHIP	0.1uF	10%	10V	
< NETWORK RESISTOR >						U	C184	CERAMIC CHIP	0.1uF	10%	10V	U	C314	CERAMIC CHIP	0.47uF	10%	6.3V	U	C401	CERAMIC CHIP	0.0068uF	10%	16V	
U	RB300		RES, NETWORK 33X4 (1005)				U	C185	CERAMIC CHIP	0.1uF	10%	10V	U	C315	CERAMIC CHIP	100PF	10%	50V	U	C402	CERAMIC CHIP	0.0068uF	10%	16V
U	RB301		RES, NETWORK 33X4 (1005)				U	C186	CERAMIC CHIP	0.1uF	10%	10V	U	C316	CERAMIC CHIP	0.1uF	10%	10V	U	C455	CERAMIC CHIP	0.1uF	10%	10V
U	RB302		RES, NETWORK 33X4 (1005)				U	C187	CERAMIC CHIP	0.1uF	10%	10V	U	C321	CERAMIC CHIP	0.1uF	10%	10V	U	C457	CERAMIC CHIP	0.1uF	10%	10V
U	RB303		RES, NETWORK 33X4 (1005)				U	C188	CERAMIC CHIP	0.001uF	10%	50V	U	C322	CERAMIC CHIP	1uF	10%	6.3V	U	C458	CERAMIC CHIP	0.1uF	10%	10V
U	RB304		CONDUCTOR, NETWORK 0X4 (1005)				U	C189	CERAMIC CHIP	0.1uF	10%	10V	U	C323	CERAMIC CHIP	0.1uF	10%	10V	U	C462	CERAMIC CHIP	0.1uF	10%	10V
U	RB305		CONDUCTOR, NETWORK 0X4 (1005)				U	C190	CERAMIC CHIP	47PF	5%	50V	U	C325	CERAMIC CHIP	10uF	20%	16V	U	C463	CERAMIC CHIP	0.1uF	10%	10V
U	RB306		CONDUCTOR, NETWORK 0X4 (1005)				U	C191	CERAMIC CHIP	47PF	5%	50V	U	C326	CERAMIC CHIP	0.1uF	10%	10V	U	C464	CERAMIC CHIP	0.1uF	10%	10V
U	RB307		CONDUCTOR, NETWORK 0X4 (1005)				U	C192	CERAMIC CHIP	100PF	5%	50V	U	C327	CERAMIC CHIP	22PF	5%	50V	U	C465	CERAMIC CHIP	0.1uF	10%	10V
U	RB308		RES, NETWORK 4.7KX4 (1005)				U	C193	CERAMIC CHIP	100PF	5%	50V	U	C328	CERAMIC CHIP	22PF	5%	50V	U	C466	CERAMIC CHIP	0.1uF	10%	10V
U	RB309		RES, NETWORK 4.7KX4 (1005)				U	C194	CERAMIC CHIP	0.01uF	10%	25V	U	C329	CERAMIC CHIP	0.1uF	10%	10V						

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	C537		CERAMIC CHIP	0.1uF 10% 10V	U	△ CN102		CONNECTOR, FFC/FPC (ZIF) 8P		U	Q105		TRANSISTOR DTC144EE-TL		U	R278		RES-CHIP	470K 5% 1/16W
U	C538		CERAMIC CHIP	0.1uF 10% 10V	U	△ CN103		CONNECTOR, FFC/FPC (ZIF) 45P		U	Q106		TRANSISTOR UMH2NTN		U	R282		RES-CHIP	10 5% 1/16W
U	C539		CERAMIC CHIP	0.1uF 10% 10V	U	CN104		PIN, CONNECTOR 2P		U	Q107		TRANSISTOR DTA143EE-TL		U	R283		RES-CHIP	10 5% 1/16W
U	C540		CERAMIC CHIP	0.1uF 10% 10V	U	△ CN301		CONNECTOR, FFC/FPC (ZIF) 60P		U	Q109		TRANSISTOR DTC144EE-TL		U	R284		RES-CHIP	10 5% 1/16W
U	C541		CERAMIC CHIP	0.1uF 10% 10V	U	CN502		PIN, CONNECTOR (PC BOARD) 4P		U	Q111		FET RTQ035P02TR		U	R285		RES-CHIP	10 5% 1/16W
U	C542		CERAMIC CHIP	0.1uF 10% 10V				< DIODE >		U	Q112		TRANSISTOR UMH2NTN		U	R301		RES-CHIP	47K 5% 1/16W
U	C543		CERAMIC CHIP	0.1uF 10% 10V						U	Q500		FET RSQ035P03TR		U	R302		RES-CHIP	47K 5% 1/16W
U	C544		CERAMIC CHIP	0.1uF 10% 10V	U	D100		DIODE RR264M-400		U	Q502		FET IRF7422D2TRPBF		U	R303		RES-CHIP	47K 5% 1/16W
U	C545		CERAMIC CHIP	0.1uF 10% 10V	U	D101		DIODE RR264M-400		U	Q503		TRANSISTOR 2SC5658T2L		U	R304		RES-CHIP	47K 5% 1/16W
U	C546		CERAMIC CHIP	0.1uF 10% 10V	U	D501		DIODE RB051LA-40TR						< RESISTOR >	U	R305		RES-CHIP	47K 5% 1/16W
U	C547		CERAMIC CHIP	0.1uF 10% 10V	U	D502		DIODE DAP202K-T-146							U	R307		RES-CHIP	47K 5% 1/16W
U	C548		CERAMIC CHIP	0.1uF 10% 10V				< FERRITE BEAD >		U	R101		RES-CHIP 68 5% 1/16W		U	R309		RES-CHIP	33 5% 1/16W
U	C549		CERAMIC CHIP	0.1uF 10% 10V						U	R102		RES-CHIP 180 5% 1/16W		U	R310		RES-CHIP	33 5% 1/16W
U	C550		CERAMIC CHIP	0.1uF 10% 10V	U	FB301		FERRITE, EMI (SMD) (1608)		U	R105		RES-CHIP 10K 5% 1/16W		U	R311		RES-CHIP	33 5% 1/16W
U	C551		CERAMIC CHIP	0.1uF 10% 10V	U	FB527		FERRITE, EMI (SMD)		U	R106		RES-CHIP 10K 5% 1/16W		U	R315		METAL CHIP	12K 0.5% 1/16W
U	C552		CERAMIC CHIP	0.1uF 10% 10V	U	FB528		FERRITE, EMI (SMD)		U	R107		RES-CHIP 47K 5% 1/16W						
U	C553		CERAMIC CHIP	0.1uF 10% 10V	U	FB557		FERRITE, EMI (SMD) (2012)		U	R108		RES-CHIP 47K 5% 1/16W		U	R324		RES-CHIP	10K 5% 1/16W
U	C554		CERAMIC CHIP	0.1uF 10% 10V	U	FL103		< FILTER >		U	R109		RES-CHIP 47K 5% 1/16W		U	R326		METAL CHIP	10K 0.5% 1/16W
U	C555		CERAMIC CHIP	0.1uF 10% 10V	U	FL104		FILTER, EMI REMOVAL (SMD)		U	R110		RES-CHIP 10K 5% 1/16W		U	R329		METAL CHIP	47K 0.5% 1/16W
U	C556		CERAMIC CHIP	0.1uF 10% 10V	U	FL500		FILTER, EMI REMOVAL (SMD)		U	R121		RES-CHIP 10K 5% 1/16W		U	R332		METAL CHIP	47K 0.5% 1/16W
U	C557		CERAMIC CHIP	0.1uF 10% 10V	U	FL503		FILTER, EMI REMOVAL (SMD)		U	R122		RES-CHIP 100 5% 1/16W		U	R335		METAL CHIP	3K 0.5% 1/16W
U	C558		CERAMIC CHIP	0.1uF 10% 10V				< IC >		U	R124		METAL CHIP 12K 0.5% 1/16W		U	R336		RES-CHIP	47K 5% 1/16W
U	C559		CERAMIC CHIP	0.1uF 10% 10V						U	R126		RES-CHIP 1K 5% 1/16W		U	R342		METAL CHIP	4.7K 0.5% 1/16W
U	C560		CERAMIC CHIP	0.1uF 10% 10V						U	R139		METAL CHIP 3.3K 0.5% 1/16W		U	R343		METAL CHIP	4.7K 0.5% 1/16W
U	C562		CERAMIC CHIP	0.1uF 10% 10V	U	IC103		IC BD7956FS-E2		U	R153		RES-CHIP 10K 5% 1/16W		U	R344		RES-CHIP	470 5% 1/16W
U	C564		CERAMIC CHIP	0.1uF 10% 10V	U	IC108		IC BA5888FP-E2		U	R154		RES-CHIP 10K 5% 1/16W		U	R346		RES-CHIP	1.5K 5% 1/16W
U	C566		CERAMIC CHIP	0.1uF 10% 10V	U	IC110		IC CXA2720R-TL		U	R155		RES-CHIP 10K 5% 1/16W		U	R348		METAL CHIP	4.7K 0.5% 1/16W
U	C568		CERAMIC CHIP	0.1uF 10% 10V	U	IC300		IC CXD5065GB-1		U	R157		METAL CHIP 47K 0.5% 1/16W		U	R349		METAL CHIP	22K 0.5% 1/16W
U	C570		CERAMIC CHIP	0.1uF 10% 10V	U	IC303		IC NJM13403V(TE2)		U	R158		METAL CHIP 47K 0.5% 1/16W		U	R350		METAL CHIP	22K 0.5% 1/16W
U	C572		CERAMIC CHIP	0.1uF 10% 10V	U	IC304	①			U	R163		METAL CHIP 0.33 1% 1/2W		U	R351		METAL CHIP	4.7K 0.5% 1/16W
U	C574		CERAMIC CHIP	0.1uF 10% 10V	U	IC309		IC K4S641632K-UC75T		U	R180		METAL CHIP 0.56 5% 1/3W		U	R352		RES-CHIP	1K 5% 1/16W
U	C576		CERAMIC CHIP	0.1uF 10% 10V	U	IC310		IC MX25L1005MC-12G		U	R181		METAL CHIP 0.56 5% 1/3W		U	R357		METAL CHIP	4.7K 0.5% 1/16W
U	C578		CERAMIC CHIP	0.1uF 10% 10V	U	IC500		IC PST3629UL		U	R187		METAL CHIP 10K 0.5% 1/16W		U	R358		RES-CHIP	1K 5% 1/16W
U	C580		CERAMIC CHIP	0.1uF 10% 10V	U	IC501		IC PST3810UL		U	R202		METAL CHIP 12K 0.5% 1/16W		U	R359		RES-CHIP	100 5% 1/16W
U	C583		CERAMIC CHIP	0.1uF 10% 10V	U	IC503		IC TPS64201DBVRG4		U	R203		METAL CHIP 24K 0.5% 1/16W		U	R360		METAL CHIP	22K 0.5% 1/16W
U	C584		CERAMIC CHIP	0.1uF 10% 10V	U	IC507		IC TC7WH74FK(TE85R)		U	R204		RES-CHIP 10K 5% 1/16W		U	R361		METAL CHIP	4.7K 0.5% 1/16W
U	C605		CERAMIC CHIP	0.1uF 10% 10V	U	IC508		IC TPS64203DBVRG4		U	R212		METAL CHIP 1.8K 0.5% 1/16W		U	R363		METAL CHIP	22K 0.5% 1/16W
U	C606		CERAMIC CHIP	1uF 10% 10V	U	IC509		IC BD7800FP-E2		U	R214		RES-CHIP 15K 5% 1/16W		U	R366		METAL CHIP	4.7K 0.5% 1/16W
U	C607		CERAMIC CHIP	22uF 20% 10V	U	IC510		IC PST3443UL		U	R217		RES-CHIP 10K 5% 1/16W		U	R367		RES-CHIP	100 5% 1/16W
U	C608		CERAMIC CHIP	22uF 20% 10V				< COIL >		U	R218		RES-CHIP 100 5% 1/16W		U	R368		RES-CHIP	100 5% 1/16W
U	C609		TANTAL. CHIP	47uF 20% 6.3V						U	R219		RES-CHIP 100 5% 1/16W		U	R369		RES-CHIP	100 5% 1/16W
U	C610		ELECT CHIP	100uF 20% 16V	U	L100		COIL, CHOKER 150uH		U	R222		METAL CHIP 1 5% 1/3W		U	R370		RES-CHIP	100 5% 1/16W
U	C611		ELECT CHIP	100uF 20% 6.3V	U	L101		COIL, CHOKER 10uH		U	R241		METAL CHIP 1 5% 1/3W		U	R374		RES-CHIP	47K 5% 1/16W
U	C612																		

<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
U	R397		RES-CHIP	47K 5% 1/16W	U	R521		METAL CHIP	3.3K 0.5% 1/16W
U	R399		RES-CHIP	47K 5% 1/16W	U	R522		METAL CHIP	150 0.5% 1/16W
U	R400		RES-CHIP	33 5% 1/16W	U	R523		METAL CHIP	0.047 1% 1/4W
U	R401		RES-CHIP	33 5% 1/16W	U	R533		RES-CHIP	20K 5% 1/16W
U	R402		RES-CHIP	33 5% 1/16W	U	R534		RES-CHIP	36K 5% 1/16W
U	R403		RES-CHIP	33 5% 1/16W	U	R536		RES-CHIP	100K 5% 1/16W
U	R404		RES-CHIP	33 5% 1/16W	U	R537		RES-CHIP	4.7K 5% 1/16W
U	R408		METAL CHIP	47K 0.5% 1/16W	U	R538		RES-CHIP	6.8K 5% 1/16W
U	R409		RES-CHIP	47K 5% 1/16W	U	R539		METAL CHIP	1K 0.5% 1/16W
U	R411		RES-CHIP	47K 5% 1/16W	U	R553		RES-CHIP	10K 5% 1/16W
U	R416		RES-CHIP	82 5% 1/16W				< NETWORK RESISTOR >	
U	R419		RES-CHIP	82 5% 1/16W				RES, NETWORK 33X4 (1005)	
U	R420		RES-CHIP	82 5% 1/16W	U	RB300		RES, NETWORK 33X4 (1005)	
U	R421		RES-CHIP	82 5% 1/16W	U	RB301		RES, NETWORK 33X4 (1005)	
U	R422		RES-CHIP	22 5% 1/16W	U	RB302		RES, NETWORK 33X4 (1005)	
U	R423		RES-CHIP	82 5% 1/16W	U	RB303		RES, NETWORK 33X4 (1005)	
U	R424		RES-CHIP	22 5% 1/16W	U	RB304		RES, NETWORK 33X4 (1005)	
U	R425		RES-CHIP	82 5% 1/16W	U	RB305		RES, NETWORK 33X4 (1005)	
U	R426		RES-CHIP	82 5% 1/16W	U	RB306		RES, NETWORK 33X4 (1005)	
U	R427		RES-CHIP	22 5% 1/16W	U	RB307		RES, NETWORK 33X4 (1005)	
U	R430		RES-CHIP	82 5% 1/16W	U	RB308		RES, NETWORK 4.7KX4 (1005)	
U	R431		RES-CHIP	82 5% 1/16W	U	RB309		RES, NETWORK 4.7KX4 (1005)	
U	R432		METAL CHIP	4.7K 0.5% 1/16W	U	RB312		RES, NETWORK 4.7KX4 (1005)	
U	R433		METAL CHIP	4.7K 0.5% 1/16W				< VIBRATOR >	
U	R434		RES-CHIP	47K 5% 1/16W					
U	R435		RES-CHIP	1K 5% 1/16W	U	X301		VIBRATOR, CERAMIC (33.868MHz)	
U	R436		RES-CHIP	1K 5% 1/16W					
U	R437		RES-CHIP	1K 5% 1/16W					
U	R438		RES-CHIP	1K 5% 1/16W					
U	R442		RES-CHIP	10K 5% 1/16W					
U	R443		RES-CHIP	47K 5% 1/16W					
U	R444		METAL CHIP	47K 0.5% 1/16W					
U	R449		RES-CHIP	47K 5% 1/16W					
U	R452		RES-CHIP	47K 5% 1/16W					
U	R453		RES-CHIP	47K 5% 1/16W					
U	R459		RES-CHIP	10K 5% 1/16W					
U	R460		RES-CHIP	10K 5% 1/16W					
U	R463		RES-CHIP	100K 5% 1/16W					
U	R464		RES-CHIP	10K 5% 1/16W					
U	R465		RES-CHIP	10K 5% 1/16W					
U	R472		METAL CHIP	3K 0.5% 1/16W					
U	R473		METAL CHIP	3K 0.5% 1/16W					
U	R474		METAL CHIP	75 0.5% 1/16W					
U	R475		METAL CHIP	18K 0.5% 1/16W					
U	R476		RES-CHIP	47K 5% 1/16W					
U	R485		RES-CHIP	47K 5% 1/16W					
U	R486		RES-CHIP	47K 5% 1/16W					
U	R487		RES-CHIP	47K 5% 1/16W					
U	R488		RES-CHIP	47K 5% 1/16W					
U	R502		RES-CHIP	10 5% 1/16W					
U	R503		METAL CHIP	0.047 1% 1/4W					
U	R504		RES-CHIP	10K 5% 1/16W					
U	R506		METAL CHIP	560K 0.5% 1/16W					
U	R508		METAL CHIP	270K 0.5% 1/16W					
U	R509		RES-CHIP	10K 5% 1/16W					
U	R511		METAL CHIP	27K 0.5% 1/16W					
U	R516		RES-CHIP	10K 5% 1/16W					
U	R520		METAL CHIP	2K 0.5% 1/16W					