

CECHC02, C03, C04, C08

CECHE01, E05, E11

Manufactured by ASUSTek

SM-PS3-0073E-05

PLAYSTATION[®] 3 60GB / 80GB model
SERVICE MANUAL 5th edition Level 3
for COK-002 BOARD

PLAYSTATION 3



Sony Computer Entertainment Inc.
Customer Service Department
Published in Japan © 2007. 07
9-927-130-05

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 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 △ OR DOTTED LINE WITH MARK △ 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 △ 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.

**CECHC02, C03, C04, C08
CECHE01, E05, E11
Manufactured by ASUSTek**

SPECIAL COMPONENT NOTICE

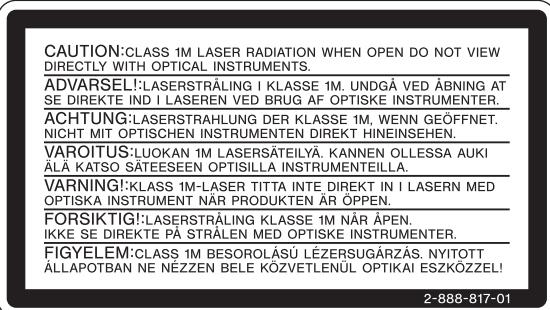
The components identified by mark ▲ contain confidential information.

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

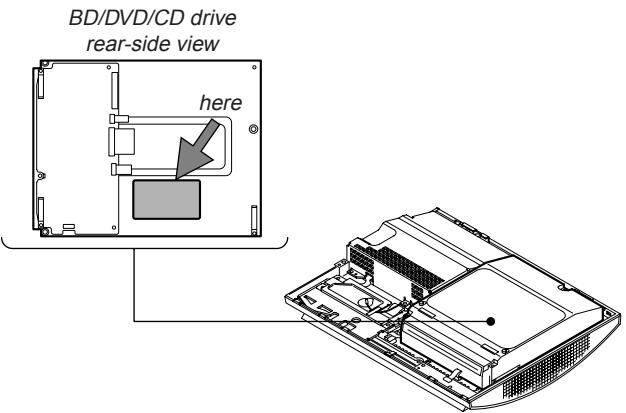
CAUTION

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.

TABLE OF CONTENTS**1. CIRCUIT DIAGRAM**

1-1. COK-002 Board (1/23)	1-1
1-2. COK-002 Board (2/23)	1-2
1-3. COK-002 Board (3/23)	1-3
1-4. COK-002 Board (4/23)	1-4
1-5. COK-002 Board (5/23)	1-5
1-6. COK-002 Board (6/23)	1-6
1-7. COK-002 Board (7/23)	1-7
1-8. COK-002 Board (8/23)	1-8
1-9. COK-002 Board (9/23)	1-9
1-10. COK-002 Board (10/23)	1-10
1-11. COK-002 Board (11/23)	1-11
1-12. COK-002 Board (12/23)	1-12
1-13. COK-002 Board (13/23)	1-13
1-14. COK-002 Board (14/23)	1-14
1-15. COK-002 Board (15/23)	1-15
1-16. COK-002 Board (16/23)	1-16
1-17. COK-002 Board (17/23)	1-17
1-18. COK-002 Board (18/23)	1-18
1-19. COK-002 Board (19/23)	1-19
1-20. COK-002 Board (20/23)	1-20
1-21. COK-002 Board (21/23)	1-21
1-22. COK-002 Board (22/23)	1-22
1-23. COK-002 Board (23/23)	1-23

2. PRINTED WIRING BOARDS

2-1. COK-002 Board (Side A)	2-1
2-2. COK-002 Board (Side B)	2-2

3. EXPLODED VIEWS

3-1. Upper Panel Section	3-1
3-2. Upper Cabinet Section	3-2
3-3. Boards Section	3-3
3-4. HDD Section	3-4
3-5. Frame Section	3-5
3-6. Controller Section	3-6
3-7. Loading Complete Assy Section	3-7
3-8. Loading Block Assy Section	3-8
3-9. Base Frame Complete Assy Section	3-9
3-10. Top Frame Complete Assy Section	3-10
3-11. Front Arm Assy Section	3-11
3-12. Optical Pick-up Section	3-12
3-13. Accessories & Packing Materials	3-13

4. ELECTRICAL PARTS LIST

COK-002 Board	4-1
COK-002 Board	4-2

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 $1/16\text{W}$ 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.

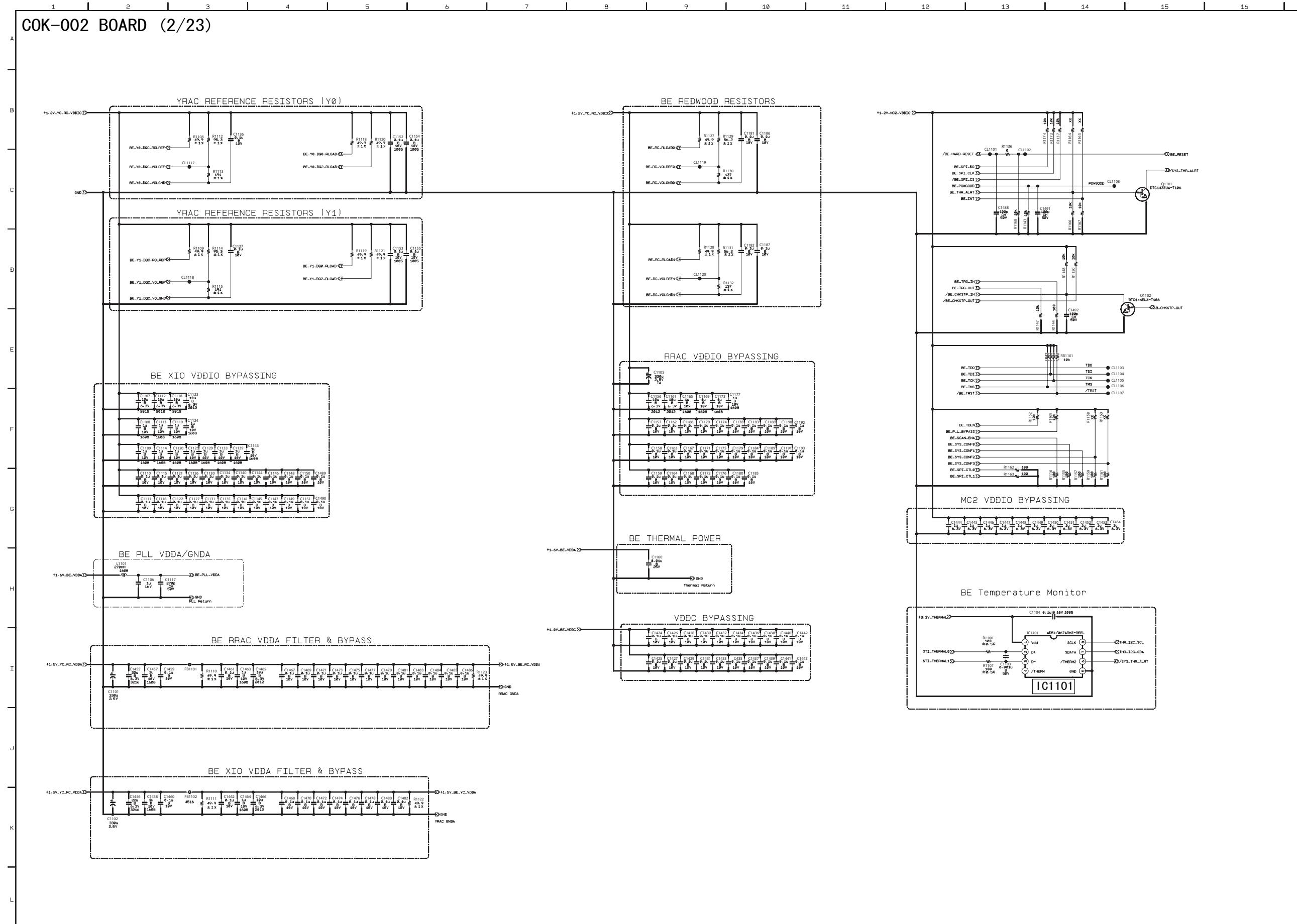
Note:

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

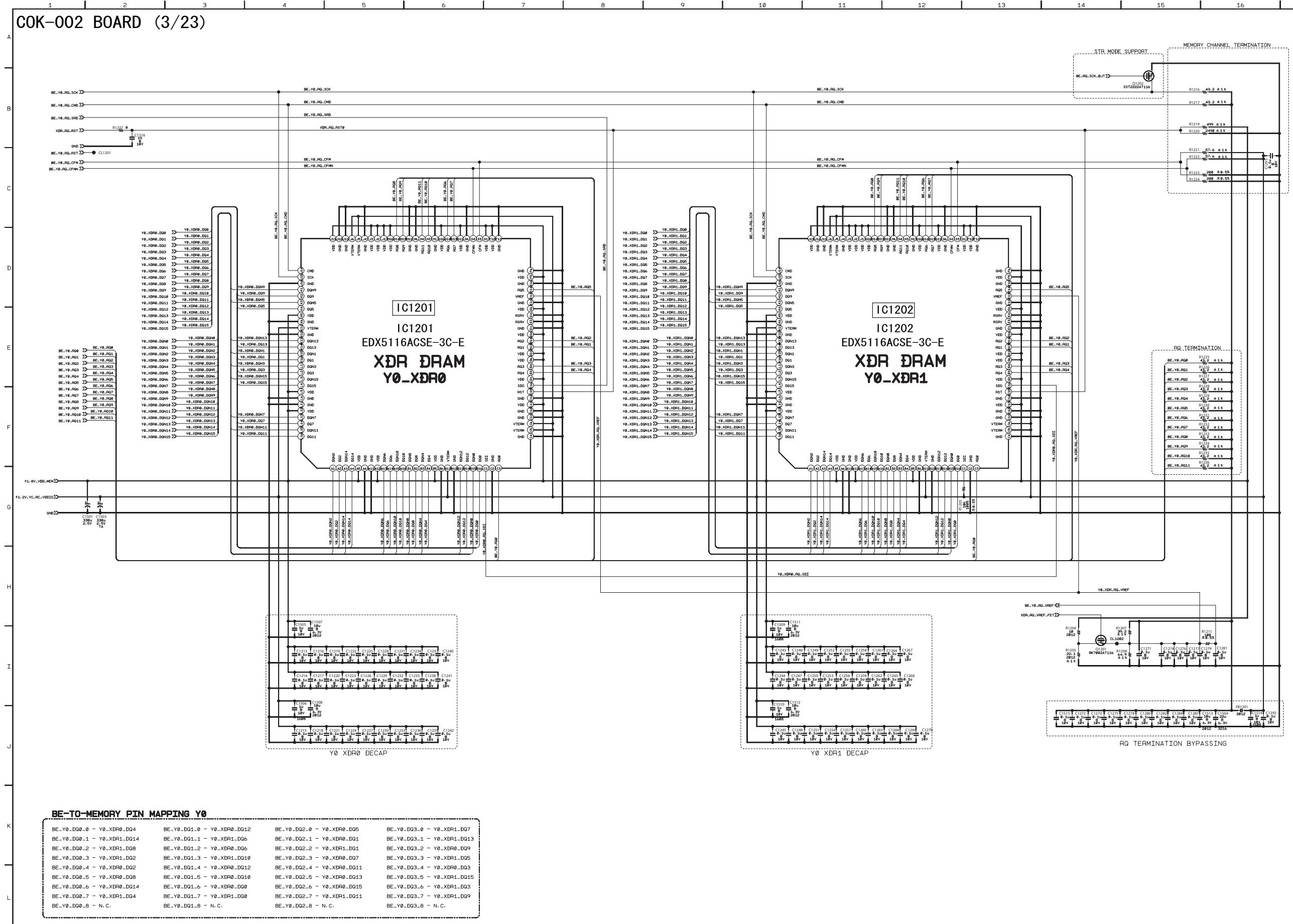
1-1. COK-002 BOARD (1/23)



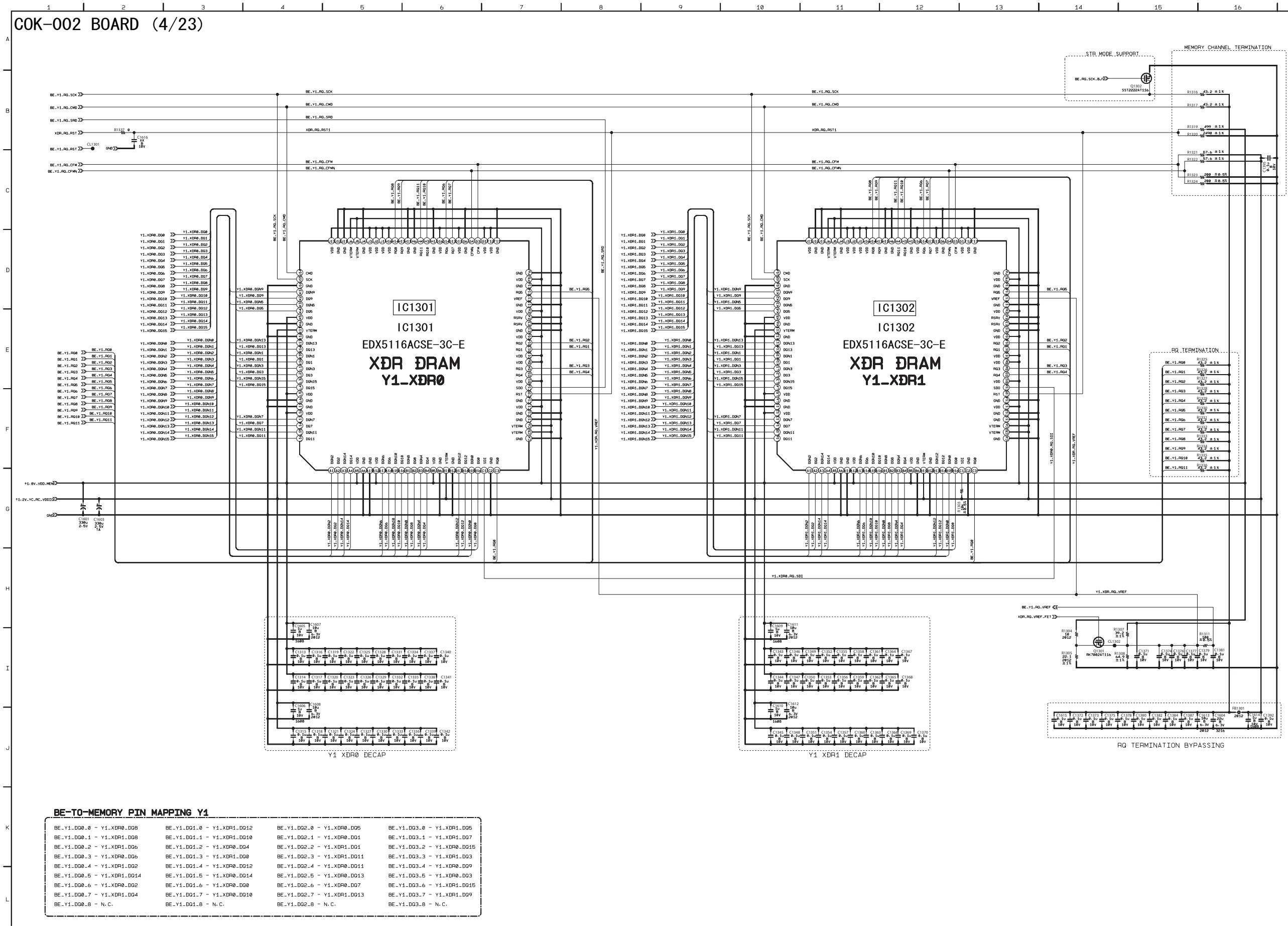
1-2. COK-002 BOARD (2/23)



1-3. COK-002 BOARD (3/23)



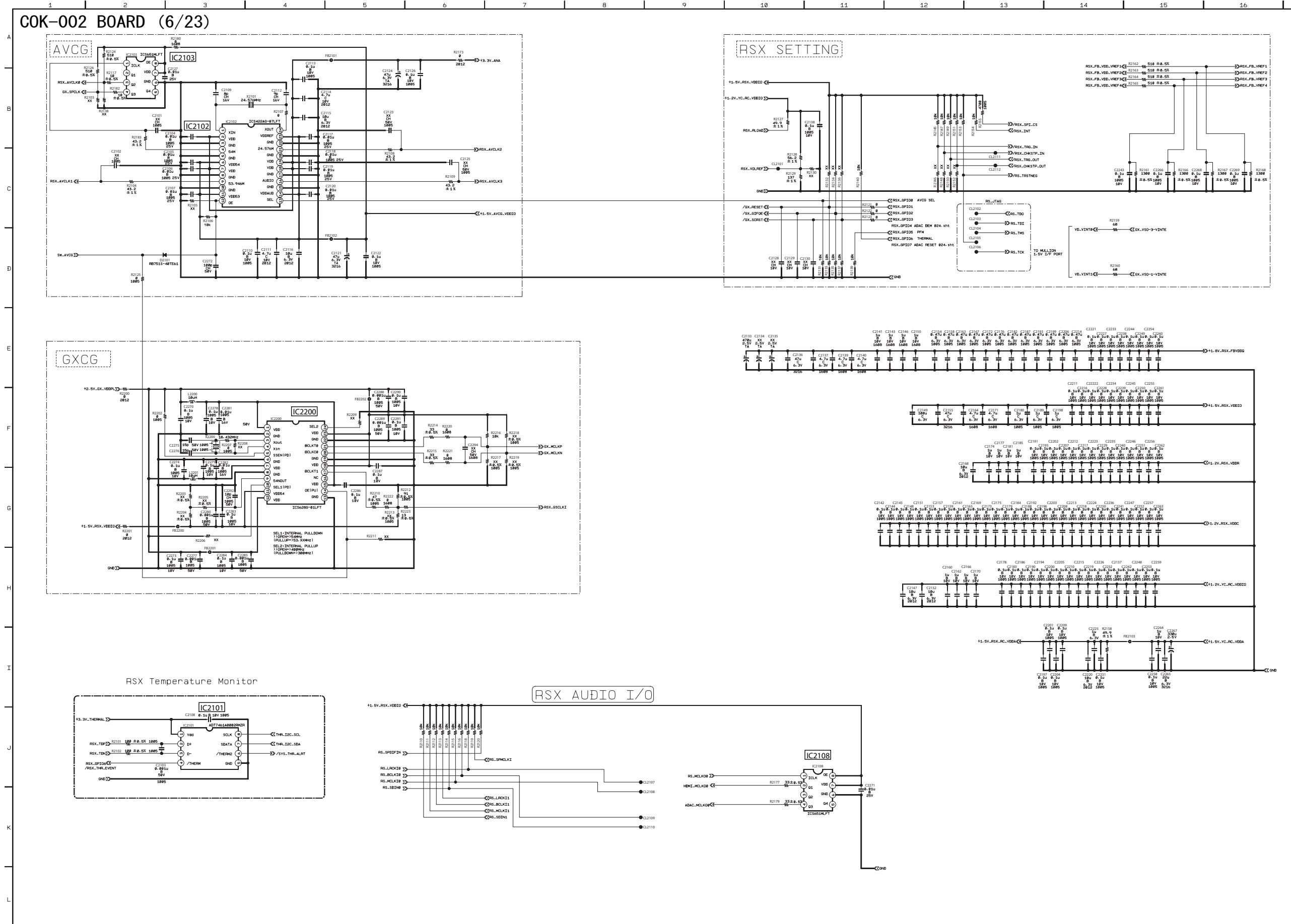
1-4. COK-002 BOARD (4/23)



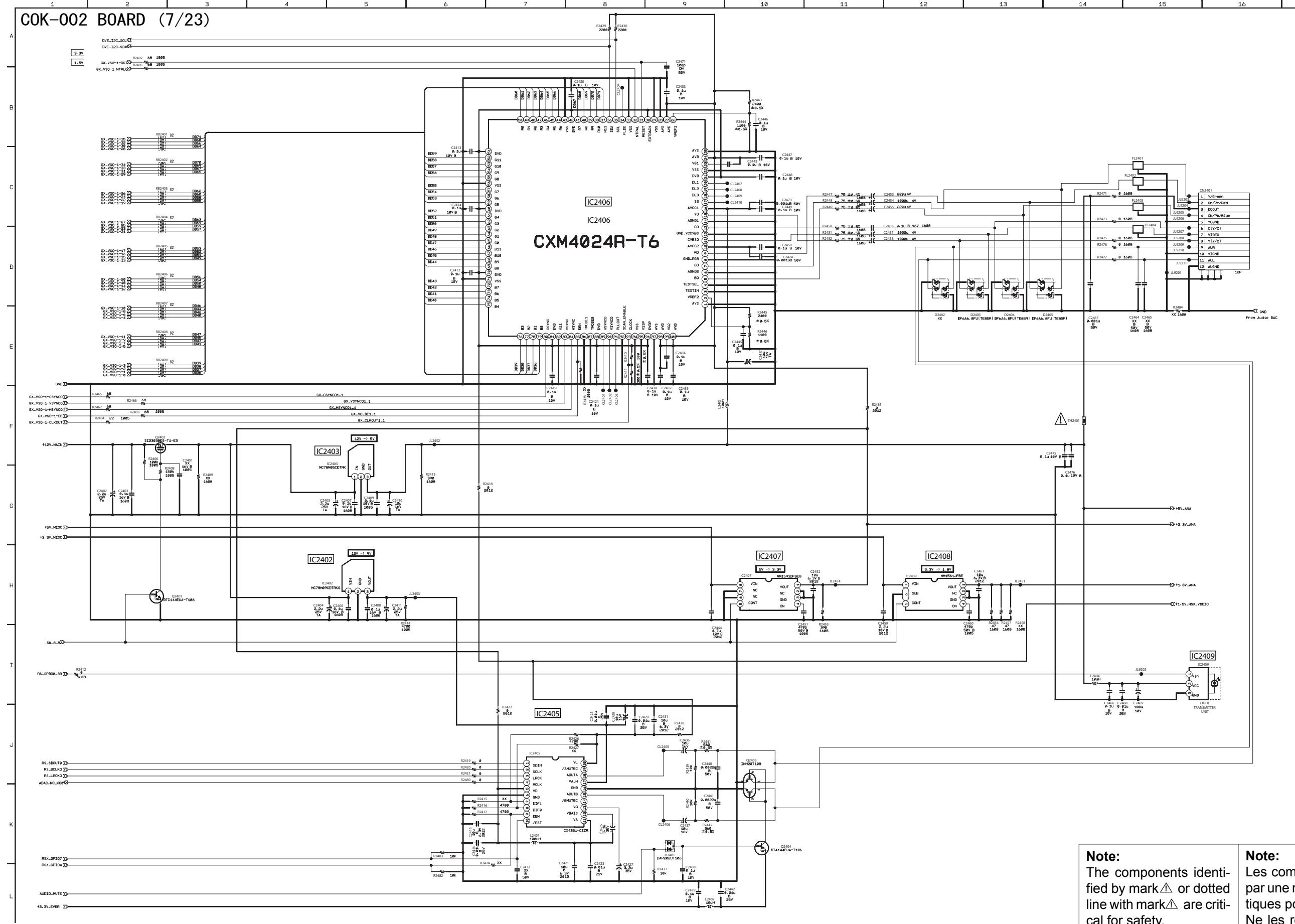
1-5. COK-002 BOARD (5/23)



1-6. COK-002 BOARD (6/23)



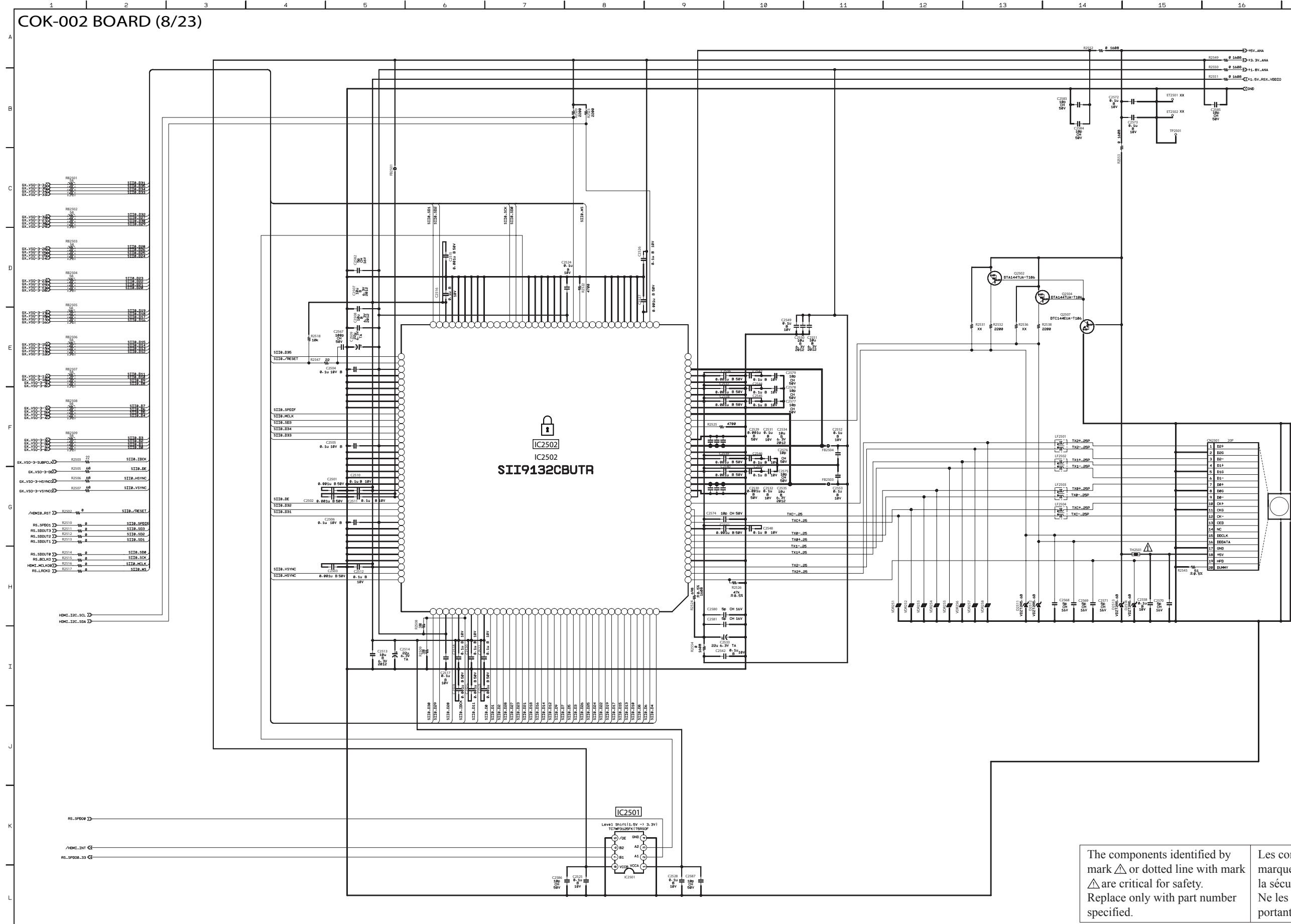
1-7. COK-002 BOARD (7/23)



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

Note:
Les composants identifiés
par une marque  sont cri-
tiques pour la sécurité.
Ne les remplacer que par
une pièce portant le
numéro spécifié.

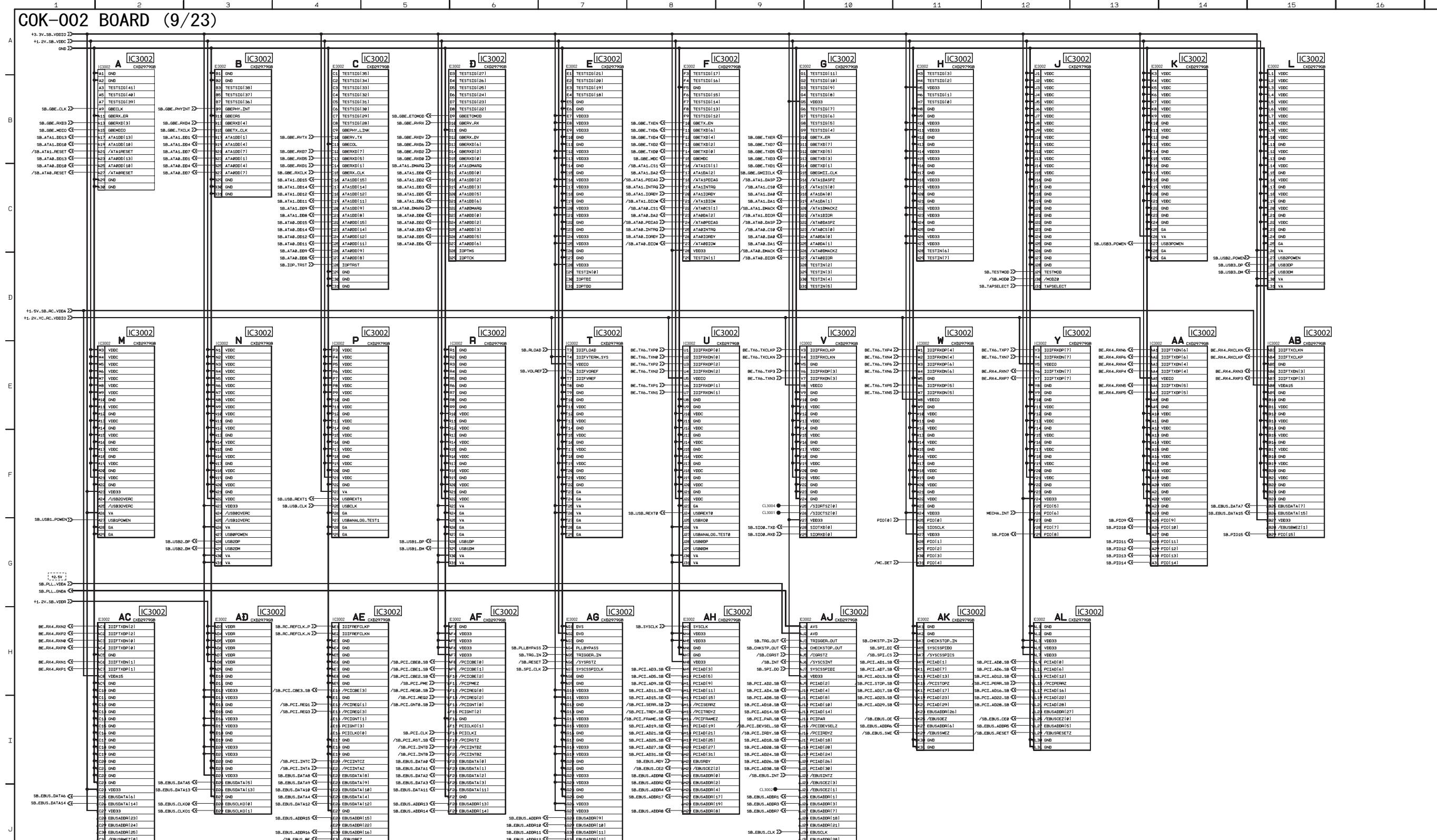
1-8. COK-002 BOARD (8/23)



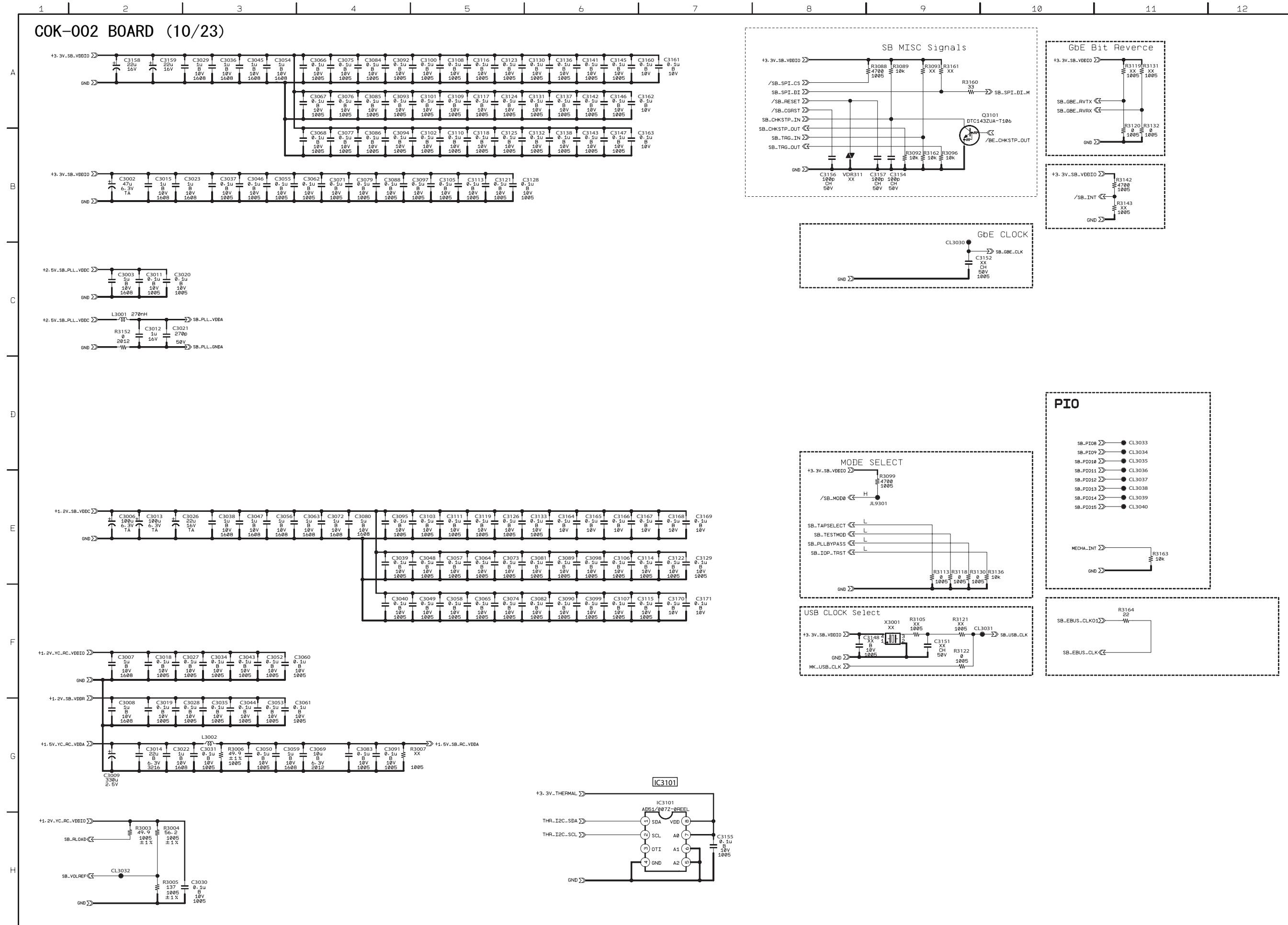
The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

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

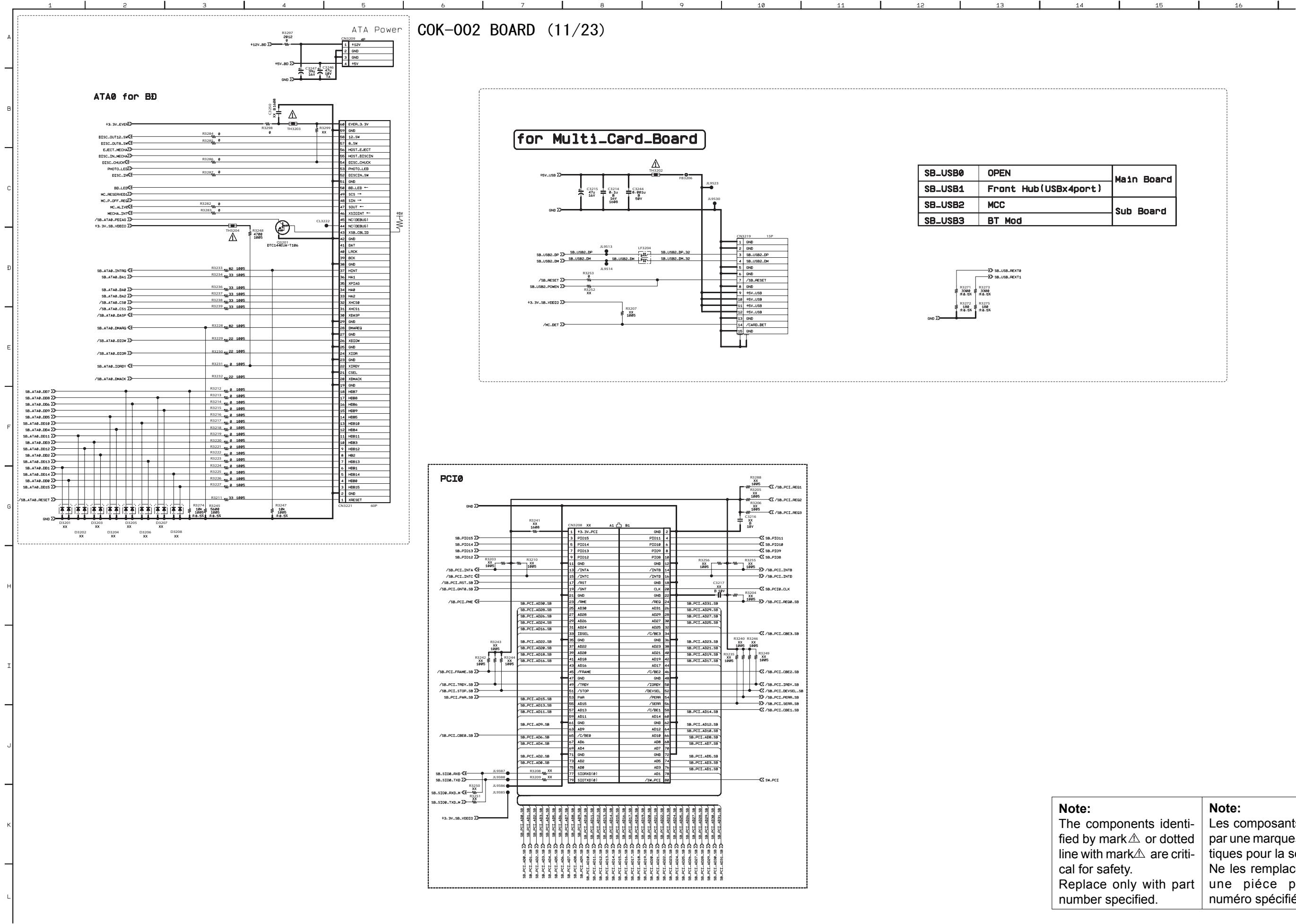
1-9. COK-002 BOARD (9/23)



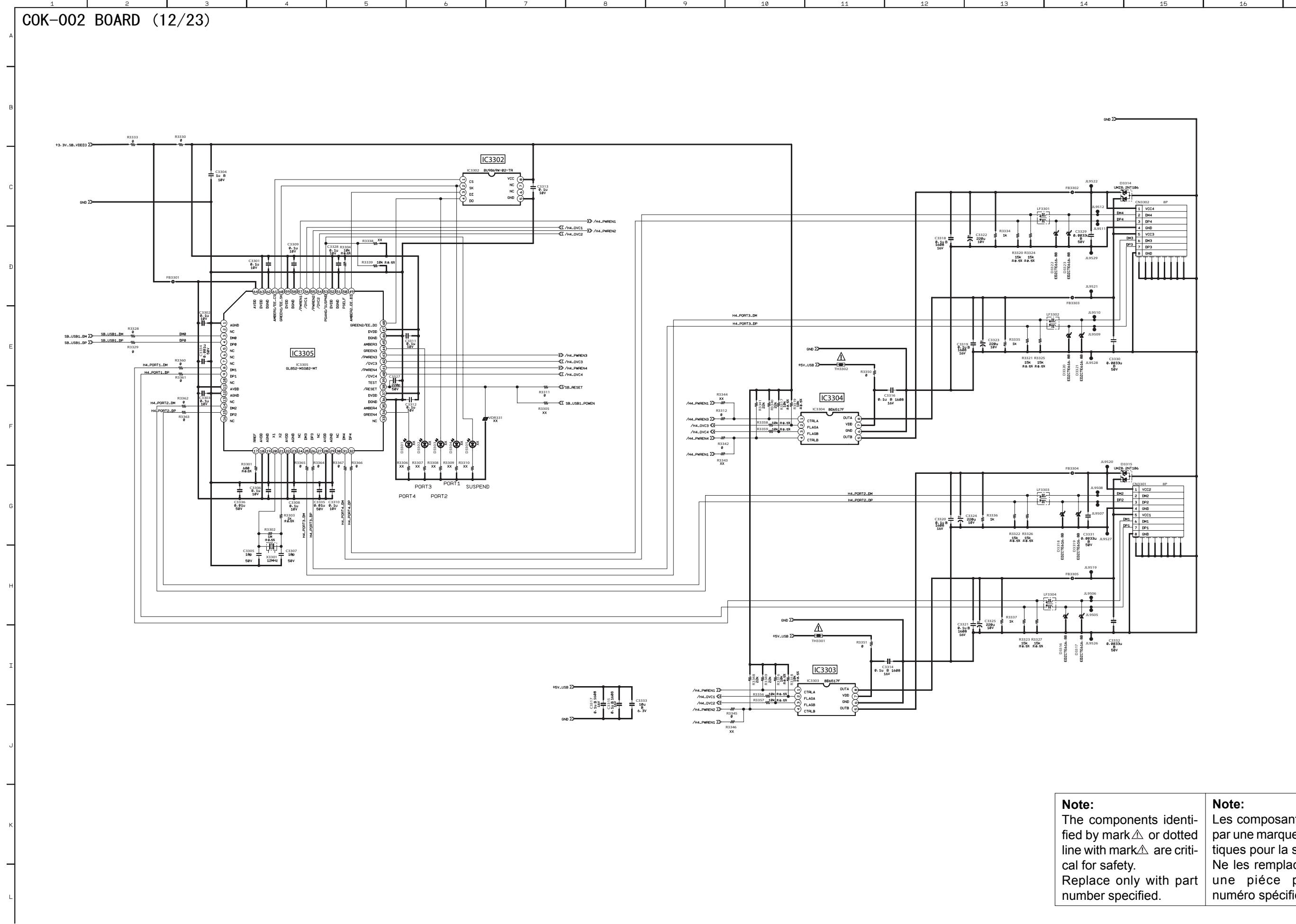
1-10. COK-002 BOARD (10/23)



1-11. COK-002 BOARD (11/23)



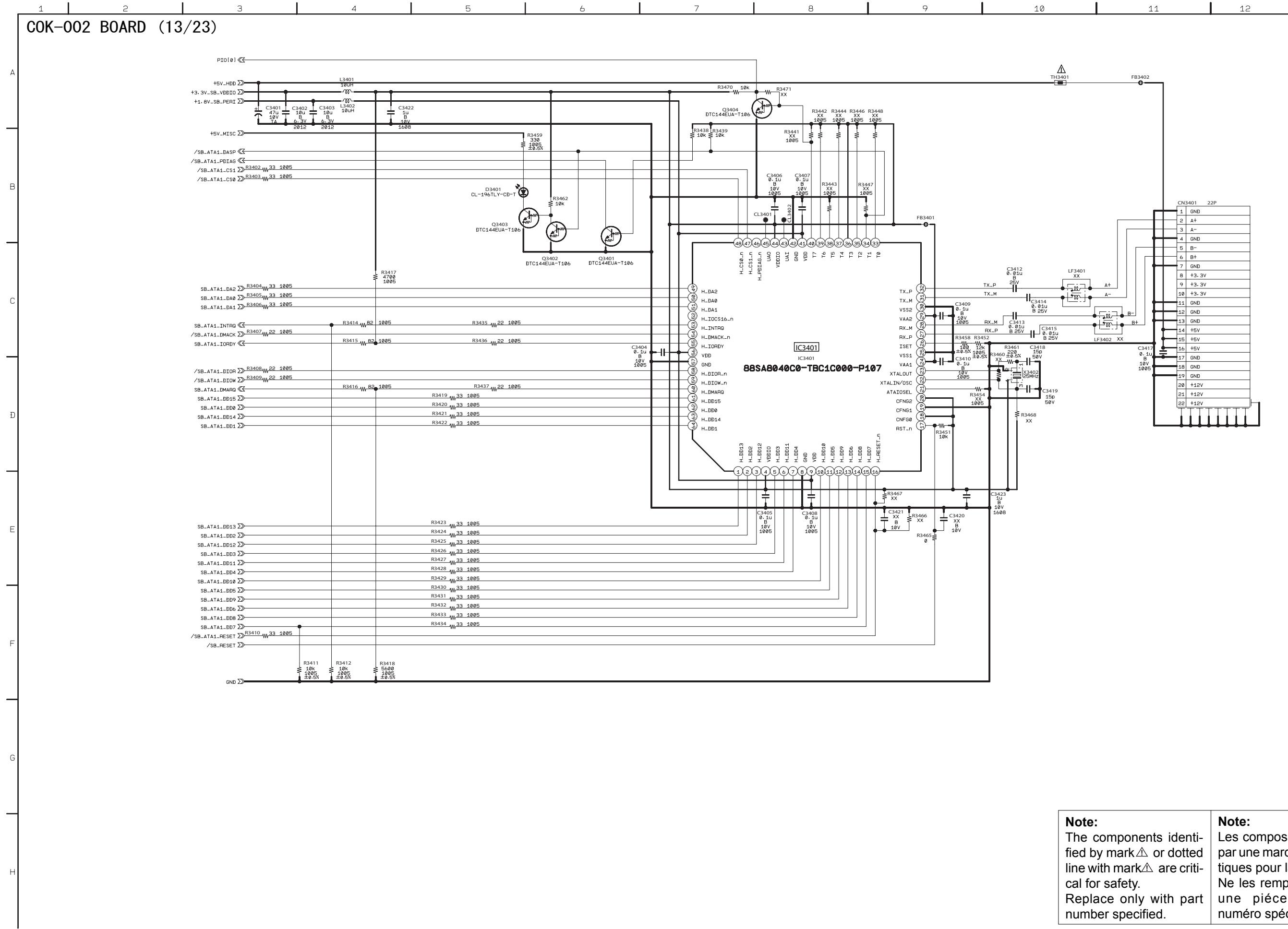
1-12. COK-002 BOARD (12/23)



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

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

1-13. COK-002 BOARD (13/23)

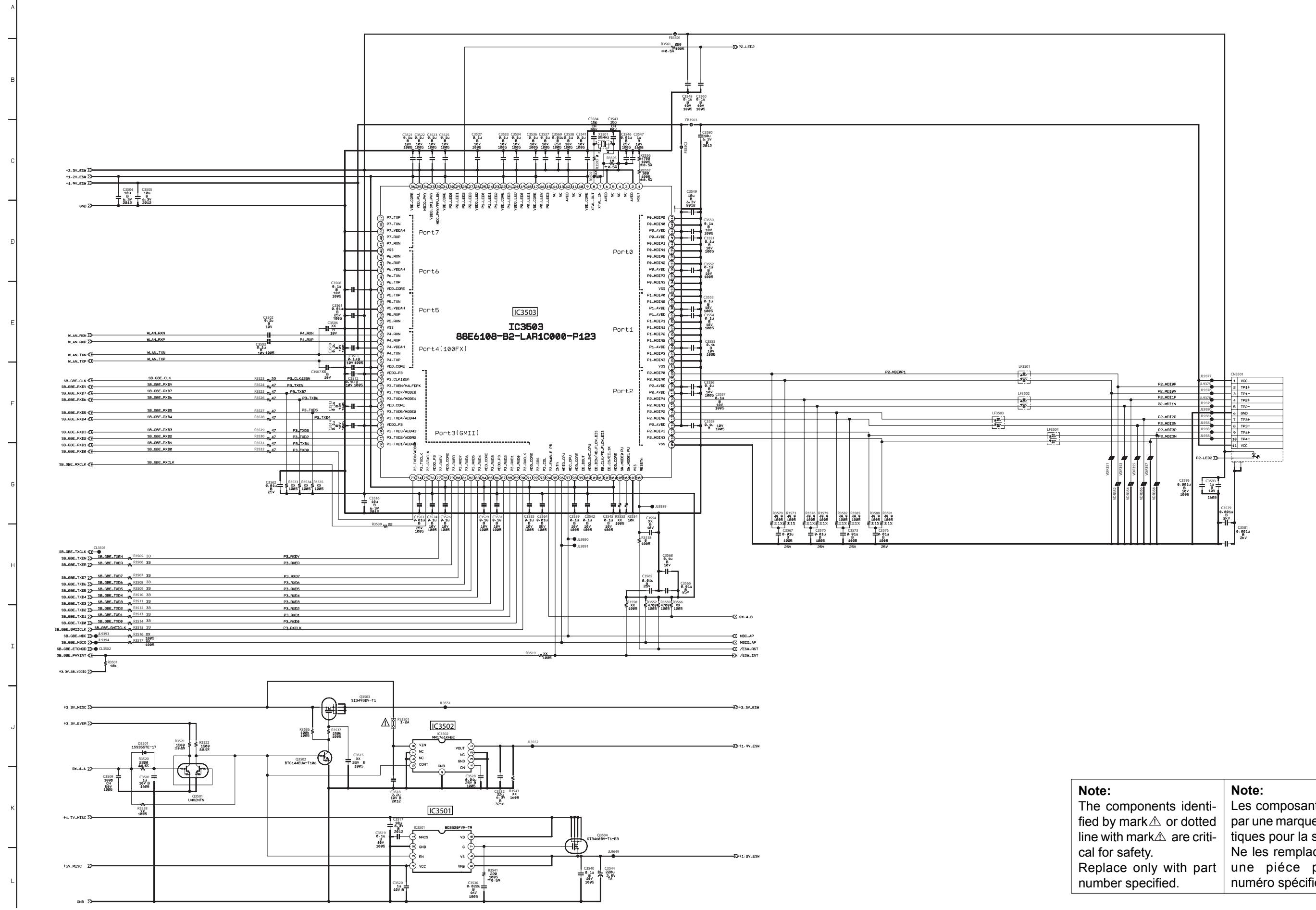


Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

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

1-14. COK-002 BOARD (14/23)

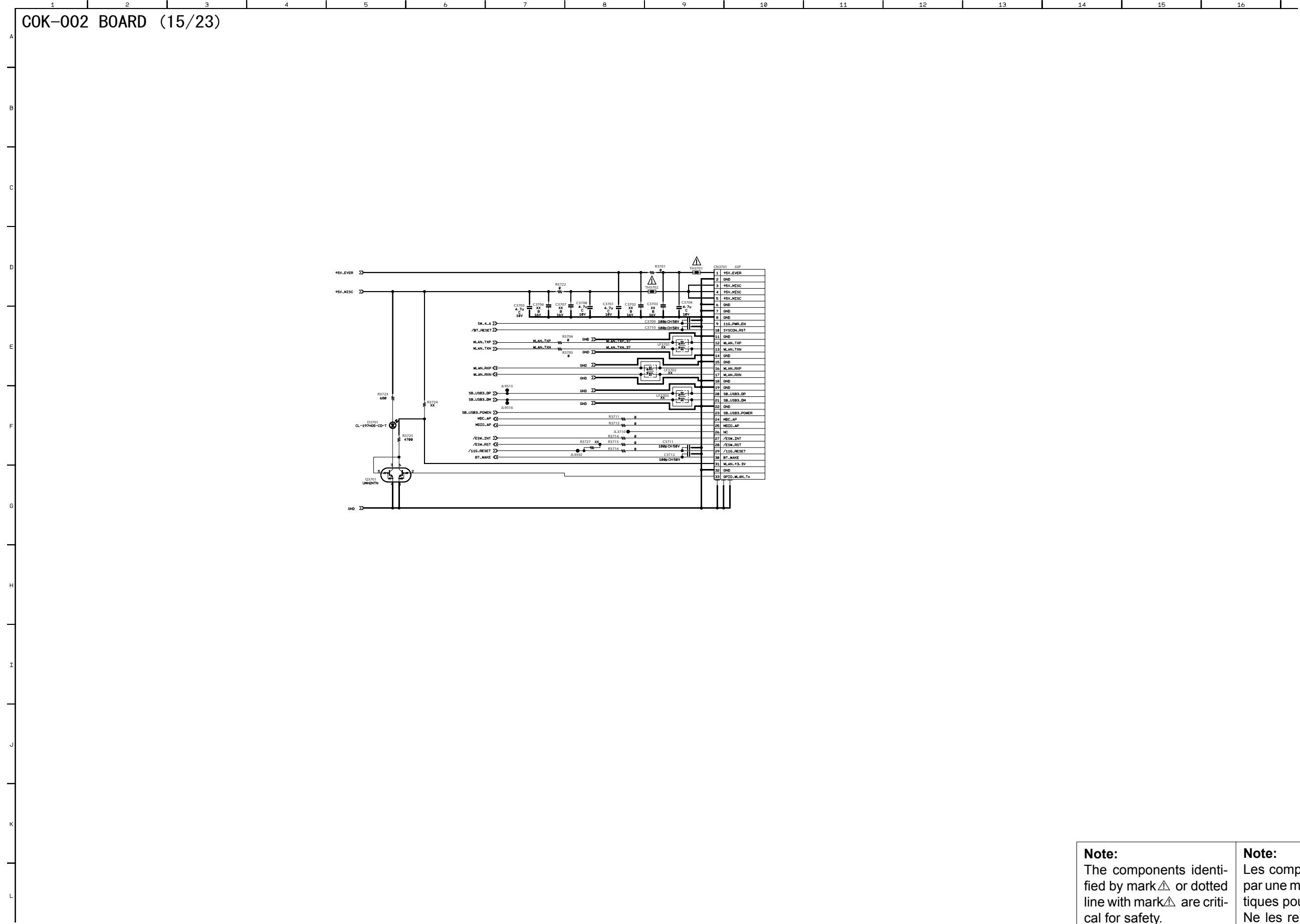
COK-002 BOARD (14/23)



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

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

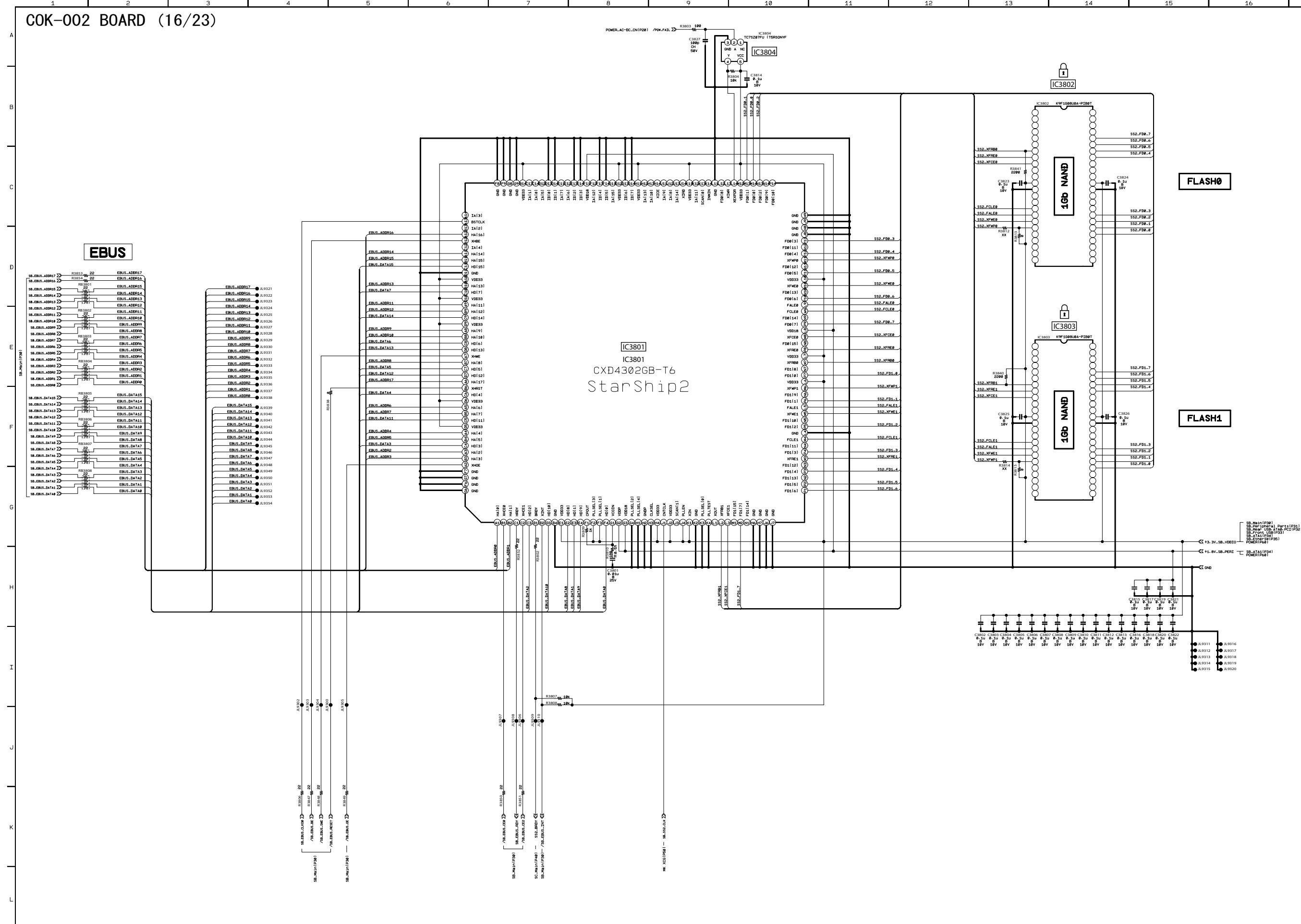
1-15. COK-002 BOARD (15/23)



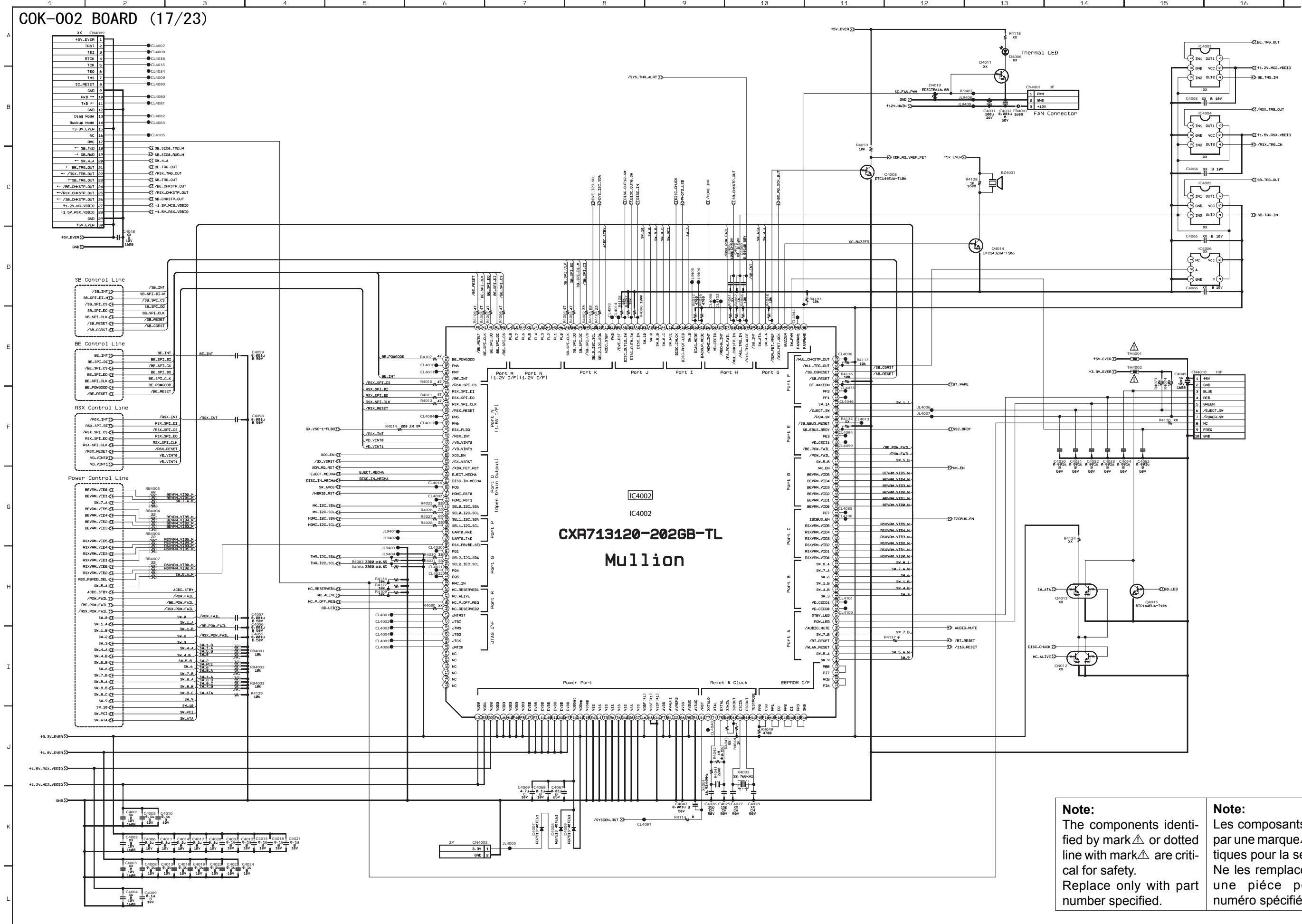
Note:
The components identified by mark ▲ or dotted line with mark ▲ are critical for safety.
Replace only with part number specified.

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

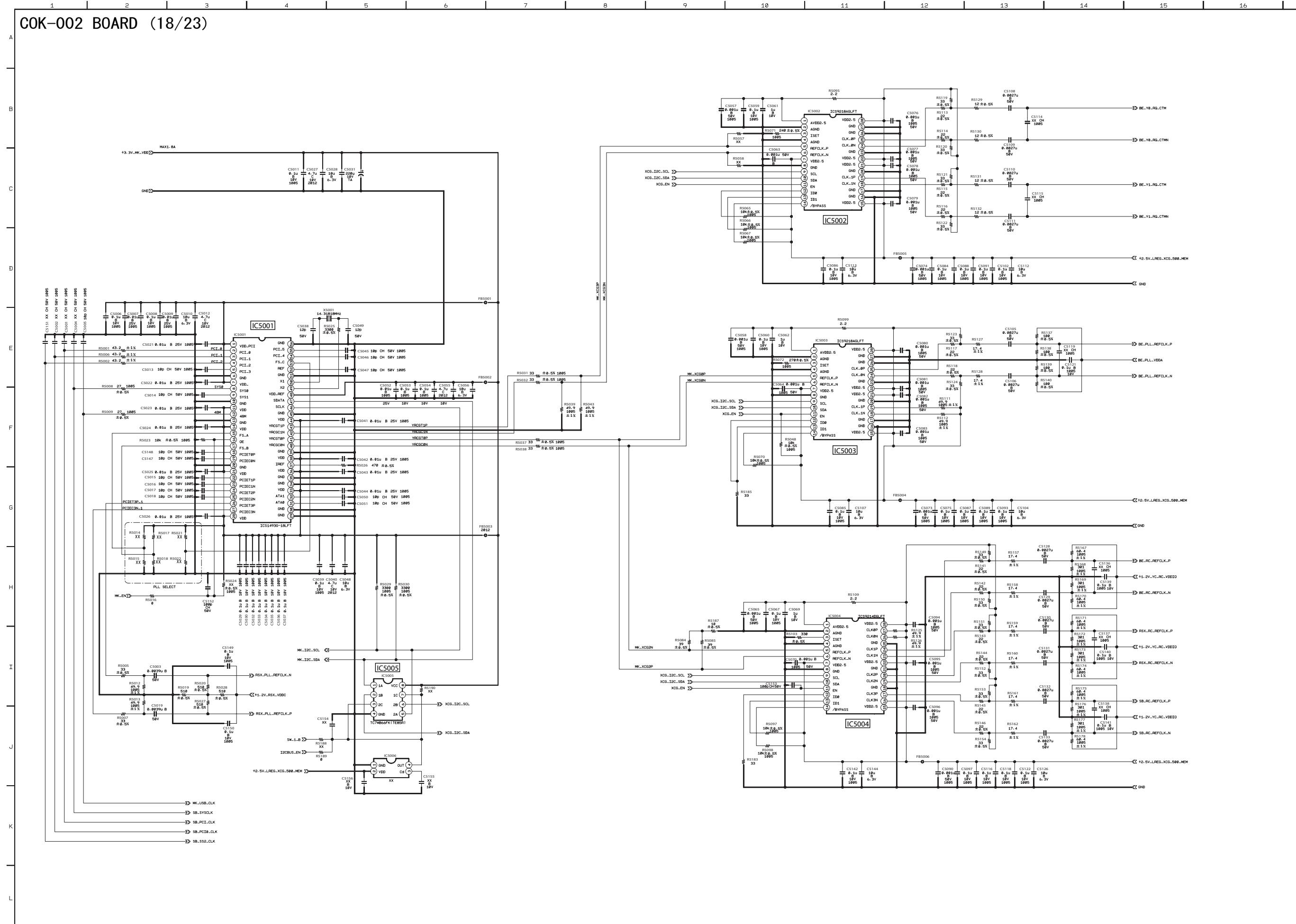
1-16. COK-002 BOARD (16/23)



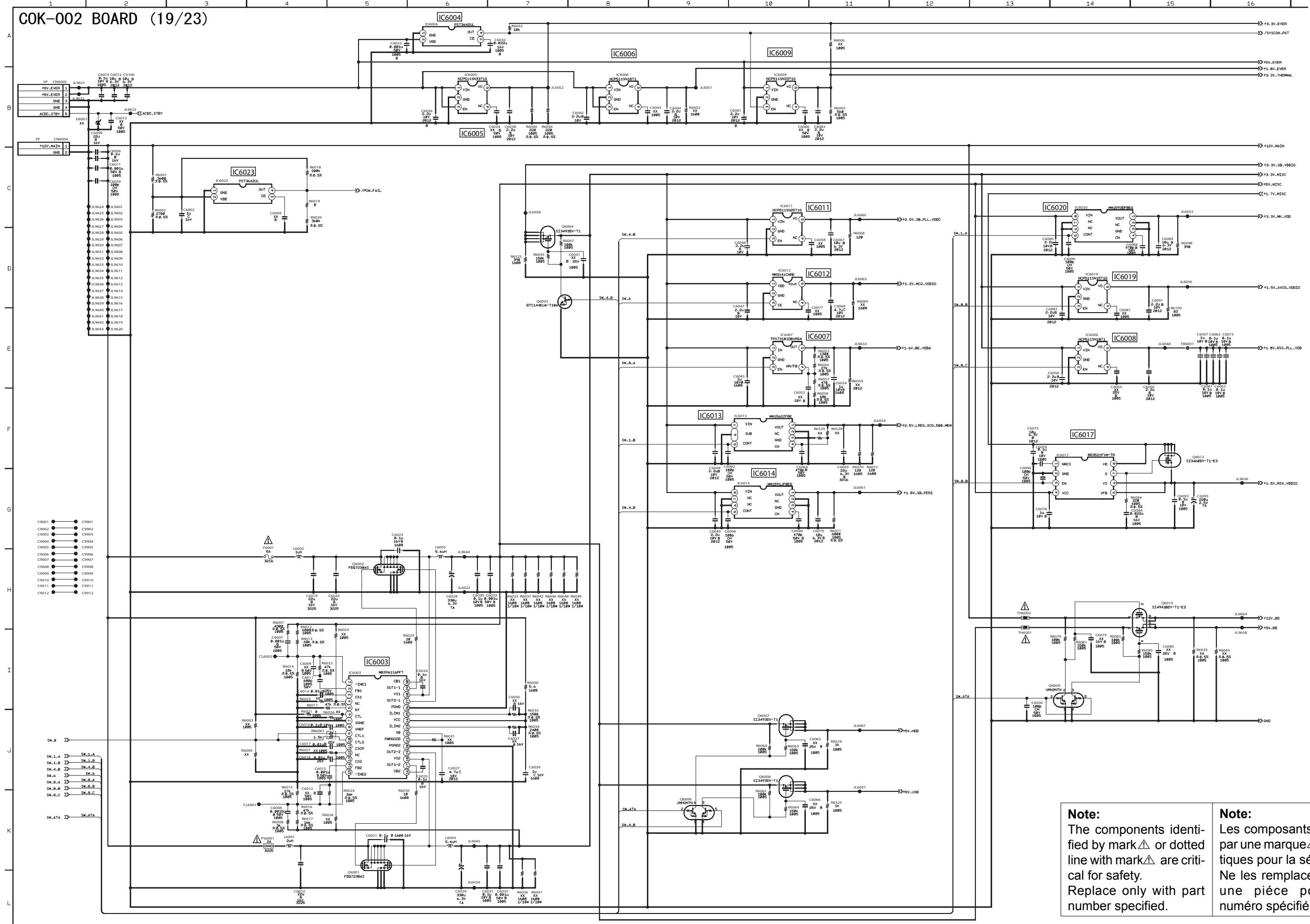
1-17. COK-002 BOARD (17/23)



1-18. COK-002 BOARD (18/23)



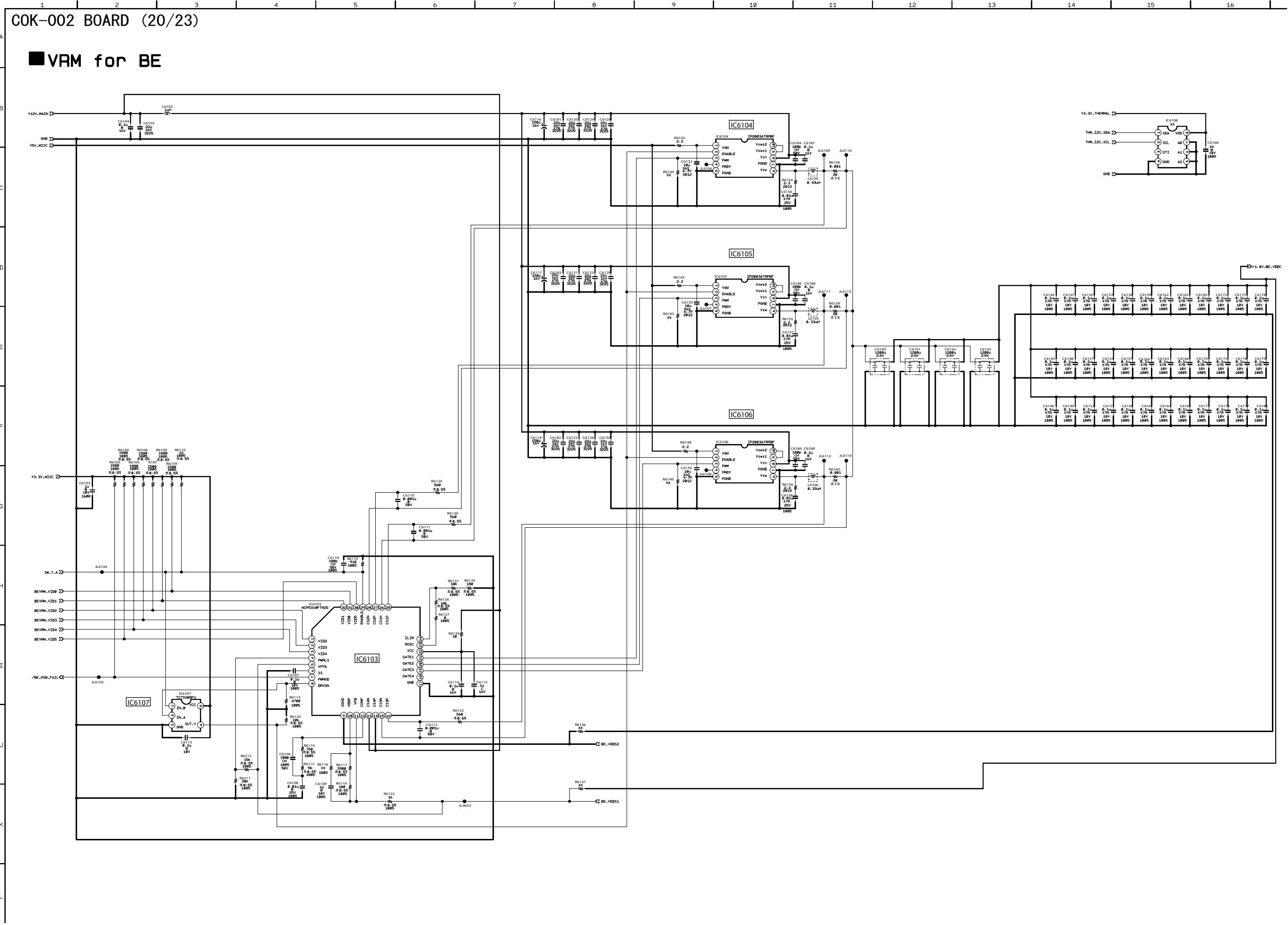
1-19. COK-002 BOARD (19/23)



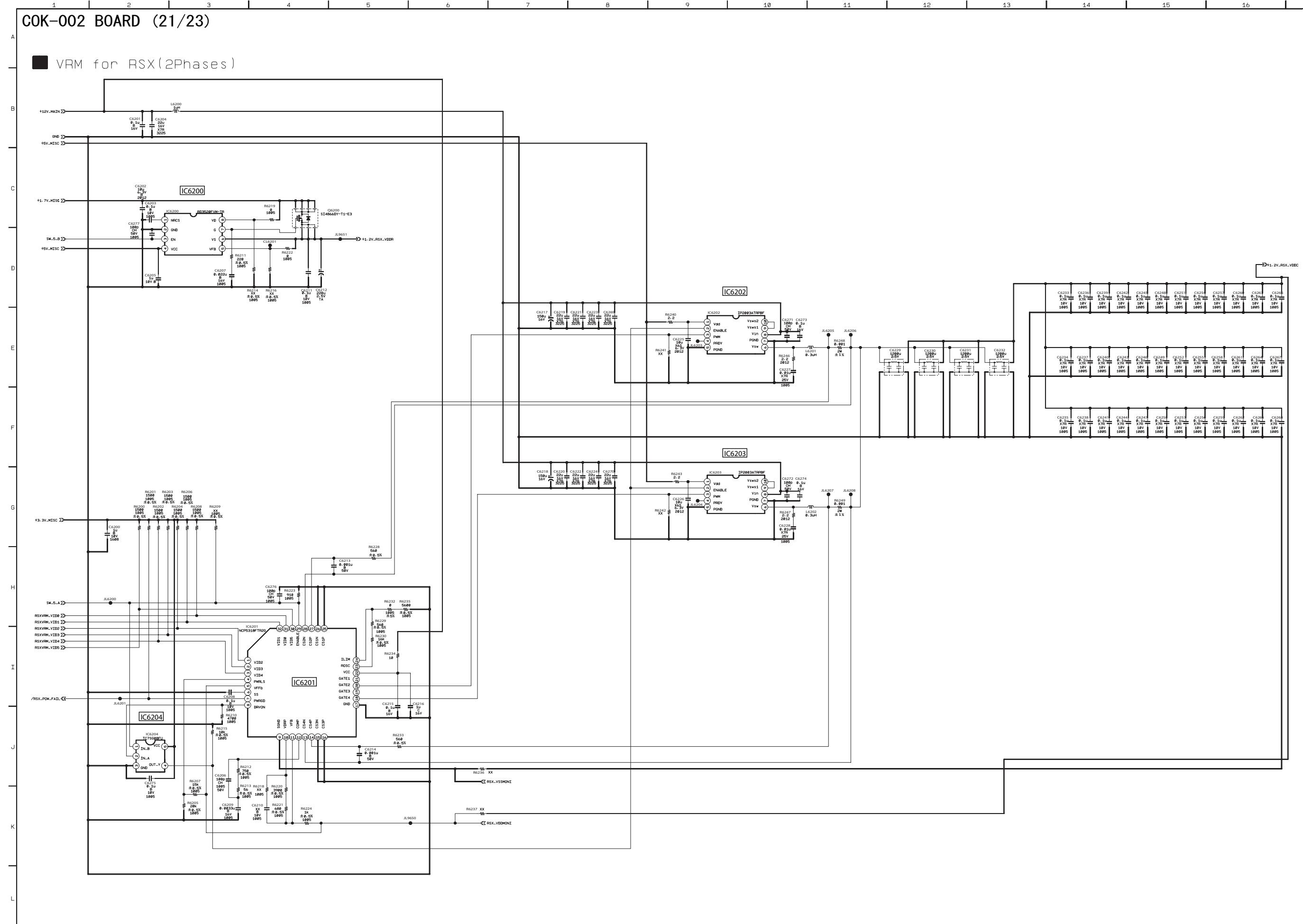
Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

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

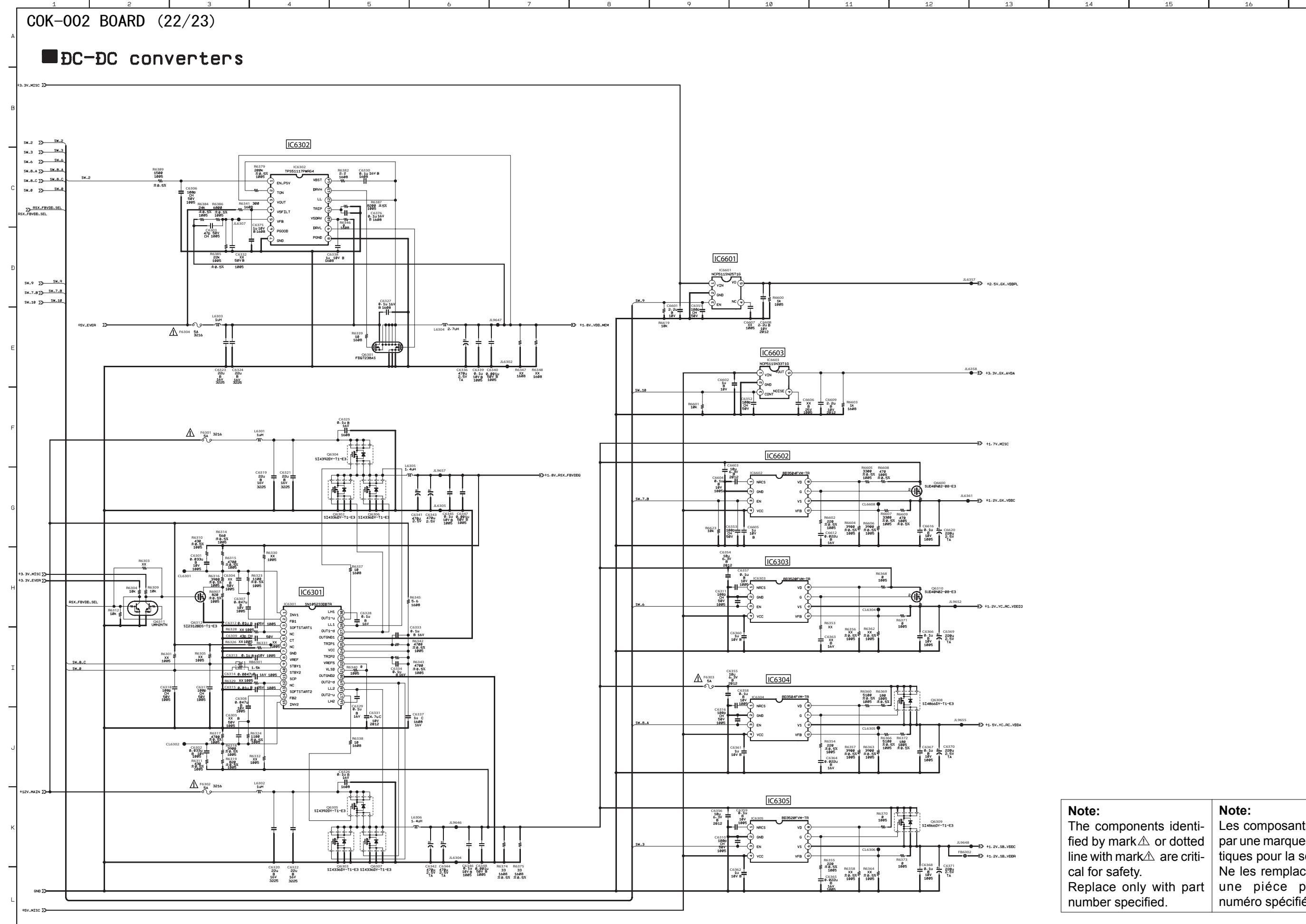
1-20. COK-002 BOARD (20/23)



1-21. COK-002 BOARD (21/23)



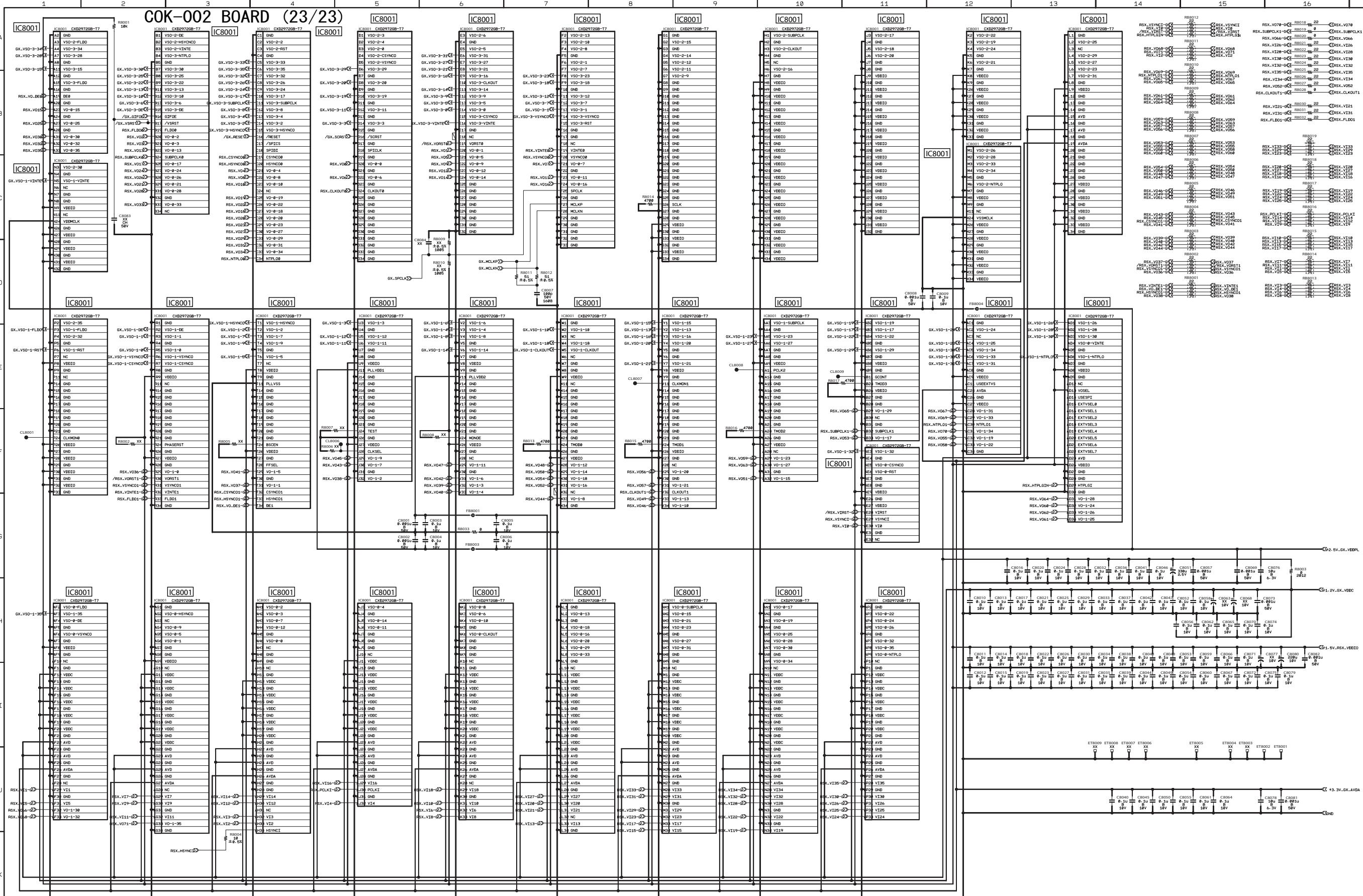
1-22. COK-002 BOARD (22/23)



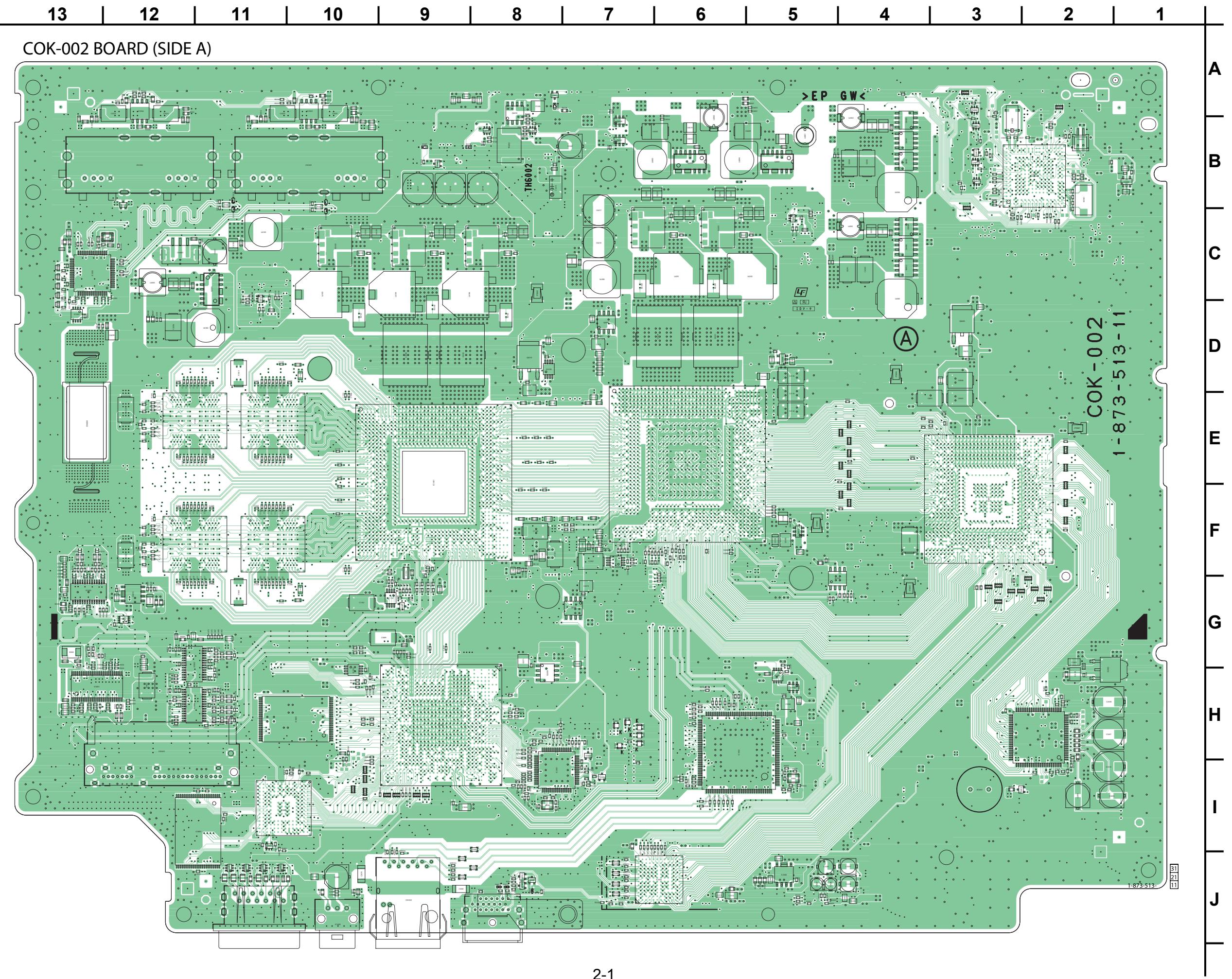
Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

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

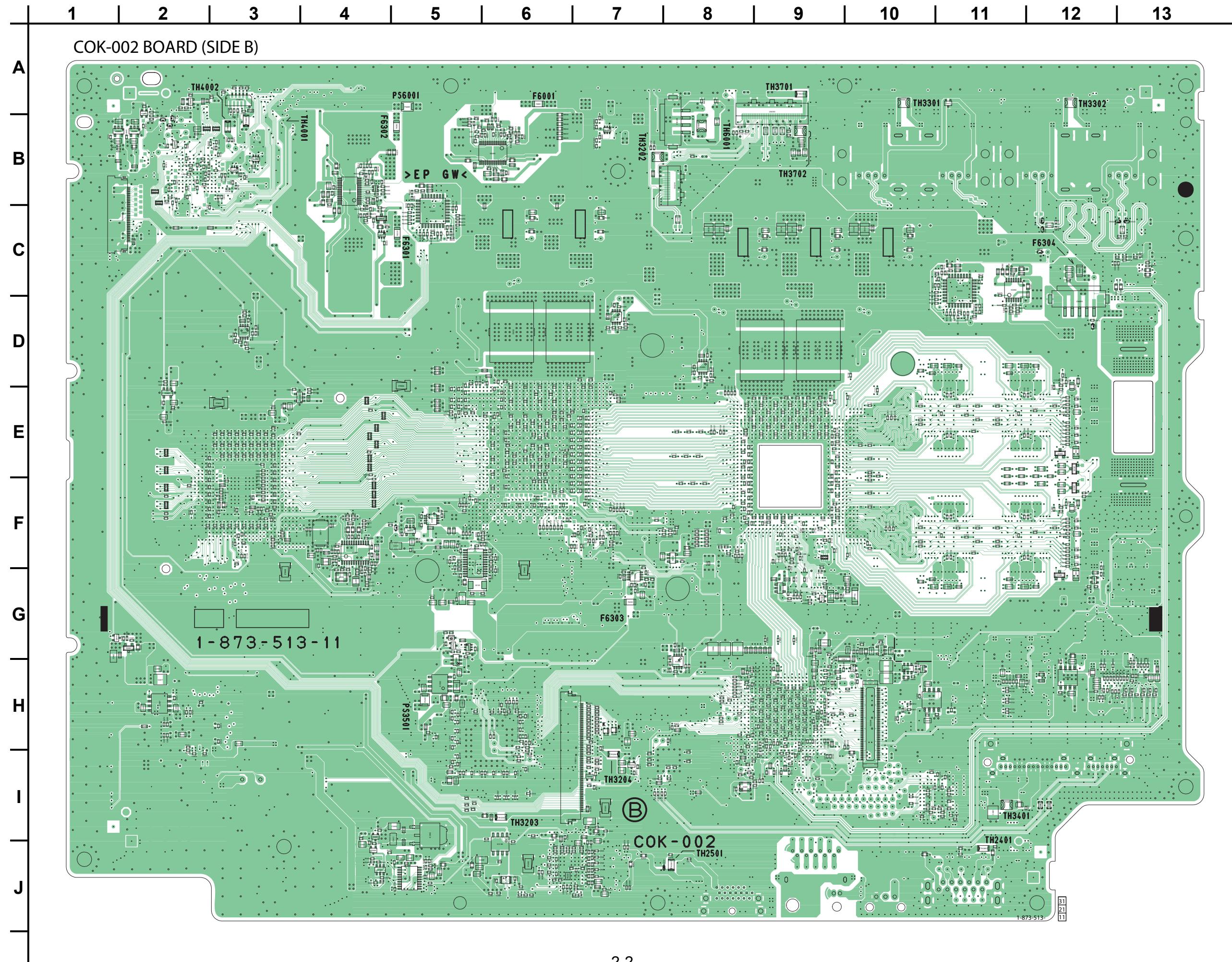
1-23. COK-002 BOARD (23/23)



2-1. COK-002 BOARD (SIDE A)



2-2. COK-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

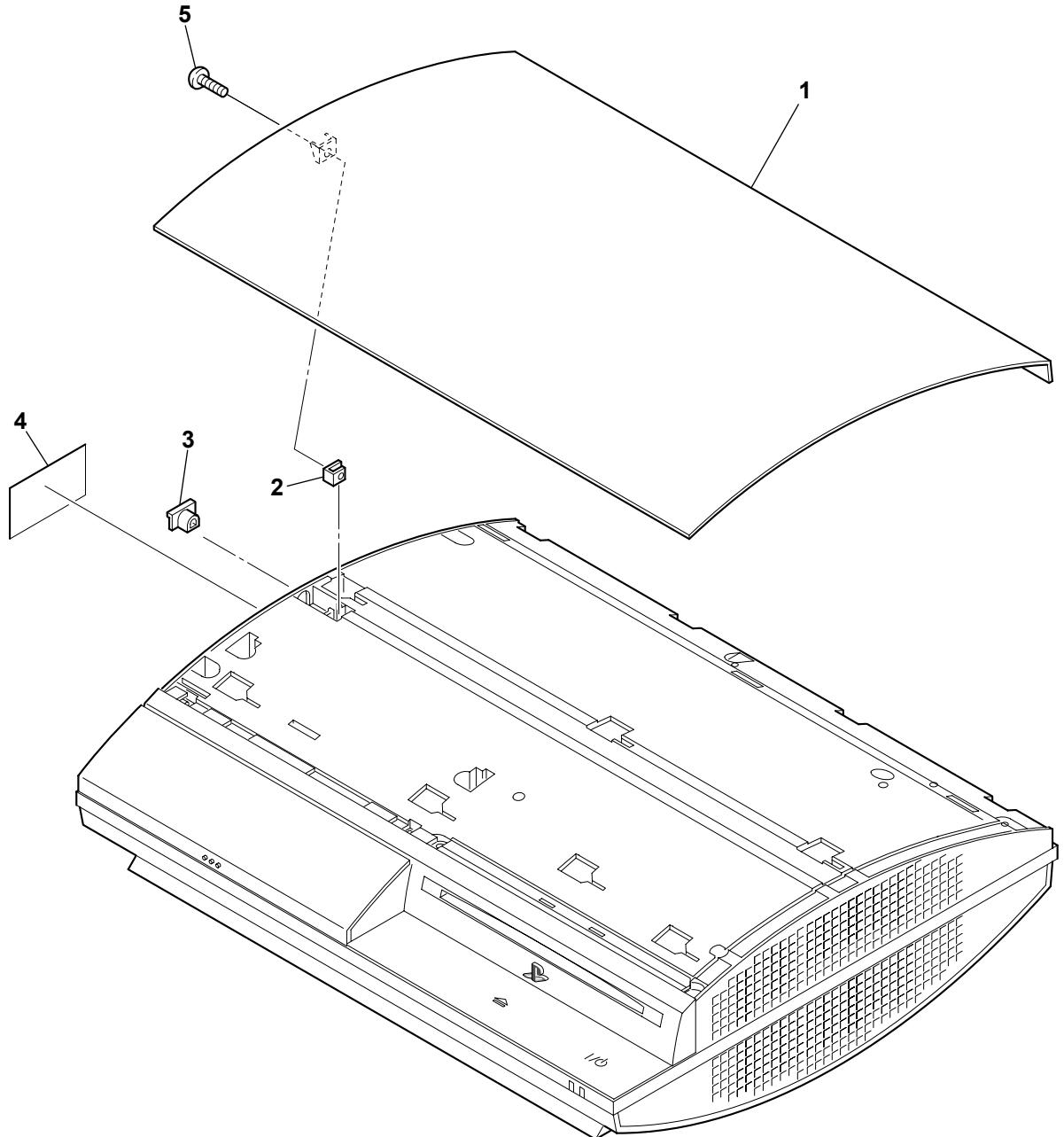
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

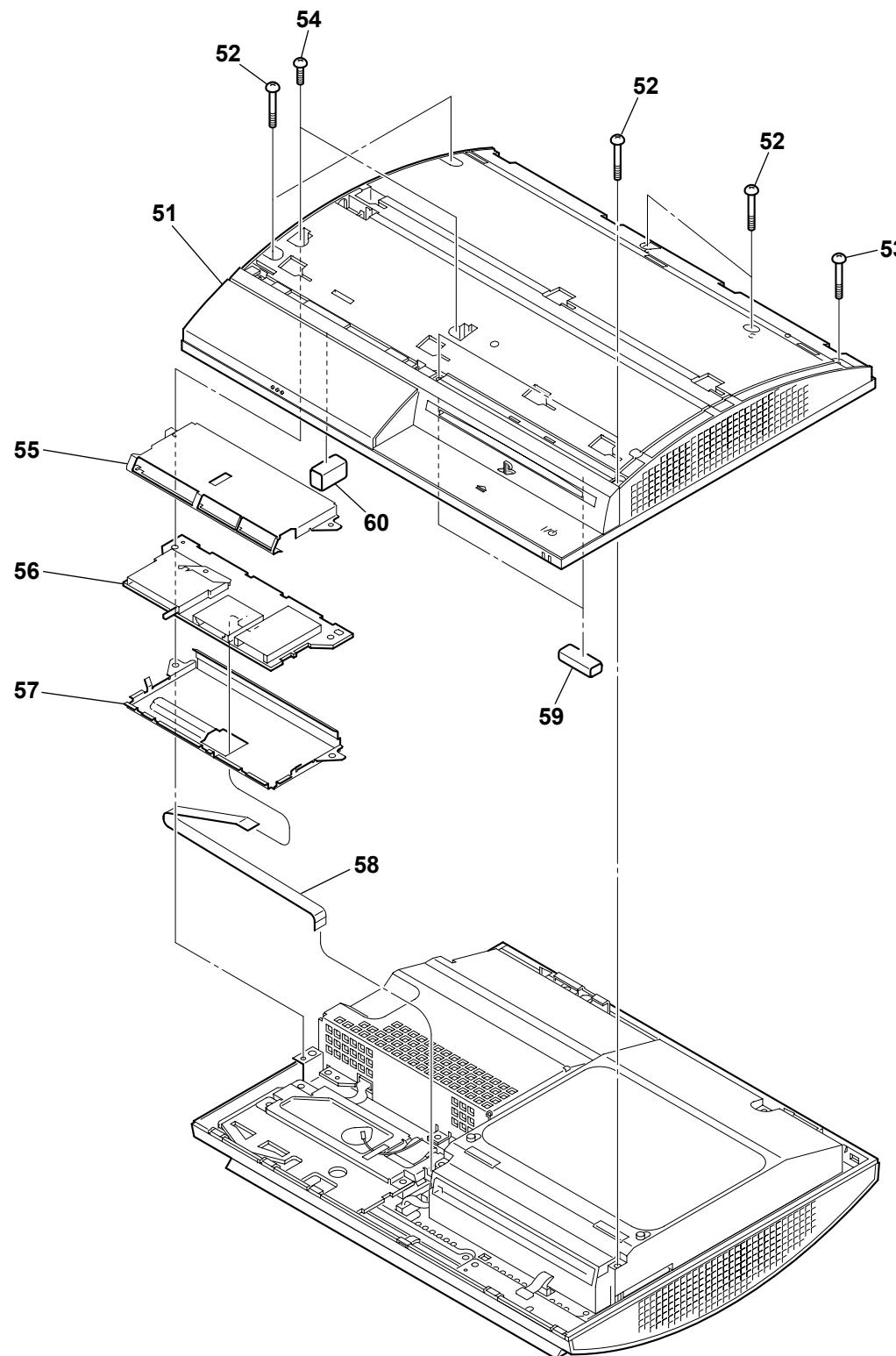
SPECIAL COMPONENT NOTICE

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

SC	Ref. No.	Part No.	Description	Remark
S \triangle	1	9-910-001-00	PANEL ASSY, UPPER	
S	2	2-888-854-01	NUT, PLATE	
S	3	2-888-856-02	FOOT (UPPER), RUBBER	
S	4	2-897-587-12	TAPE (MAIN), VOID (E01,E11)	
S	4	2-897-587-31	TAPE (MAIN), VOID (E05)	
S	4	2-897-587-21	TAPE (MAIN), VOID (C02,C03,C04)	
S	4	2-897-587-51	TAPE (MAIN), VOID (C08)	
S	5	2-319-748-01	SCREW, (3X7) OPEN PREVENTION	

3-1. UPPER PANEL SECTION

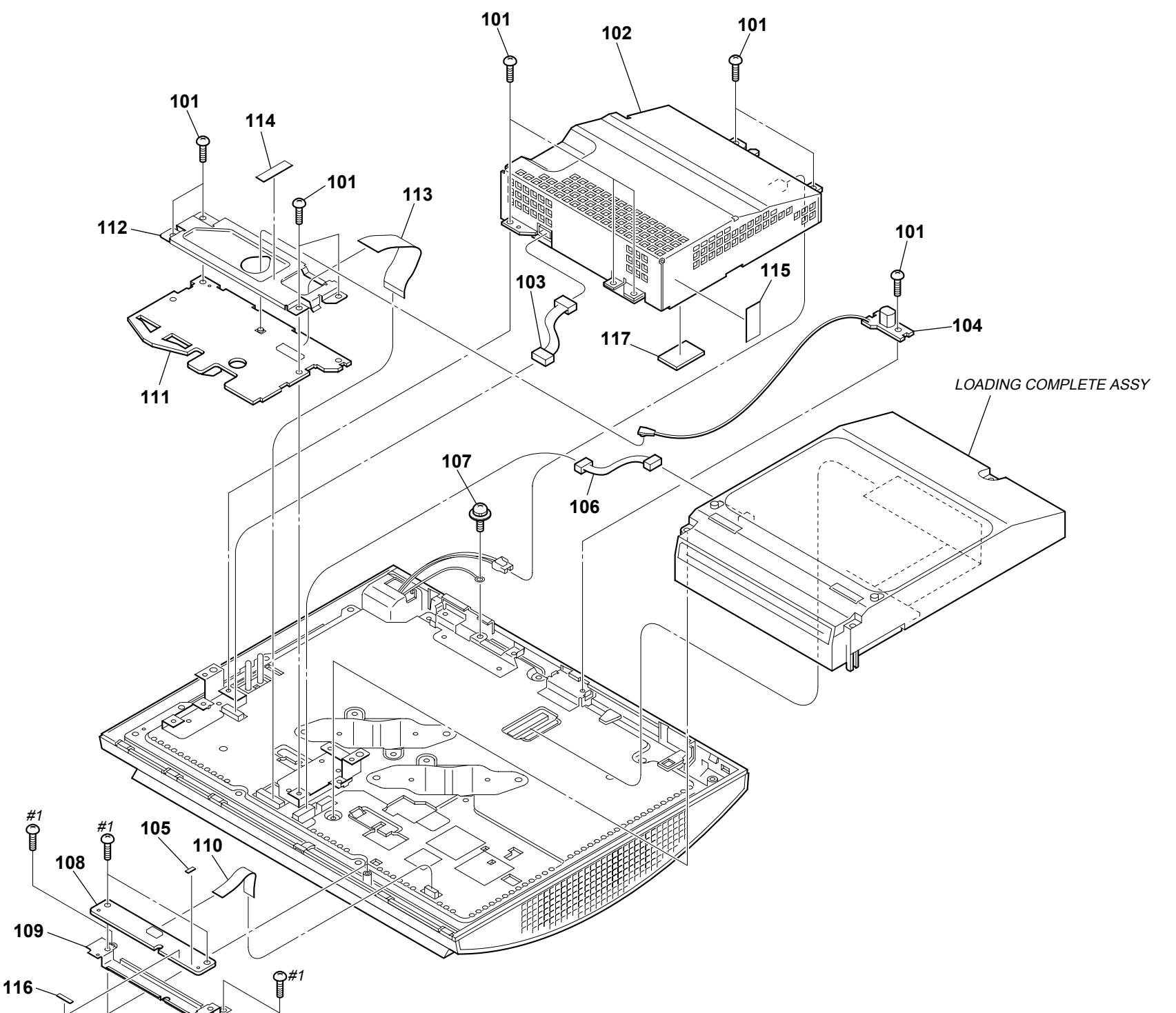


3-2. UPPER CABINET SECTION

SC	Ref. No.	Part No.	Description	Remark
S△	51	9-910-000-99	CABINET ASSY, UPPER	
S	52	2-888-864-11	(+) BV TAPPING SCREW 3	
S	53	2-888-864-01	(+) BV TAPPING SCREW 3	
S	54	2-888-866-01	SCREW, +BV 3X7	
S	55	X-2149-625-1	SHIELD ASSY, CARD UPPER	
S△	56	A-1226-214-A	CMC-001 COMPL (SERVICE)	
S	57	2-888-859-01	SHIELD (CARD LOWER)	
S△	58	1-833-480-12	CABLE, FLEXIBLE FLAT (LVDS-015)	
S	59	2-896-912-01	GASKET (2X5X15)	
S	60	2-893-732-01	GASKET (7X7X8)	

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

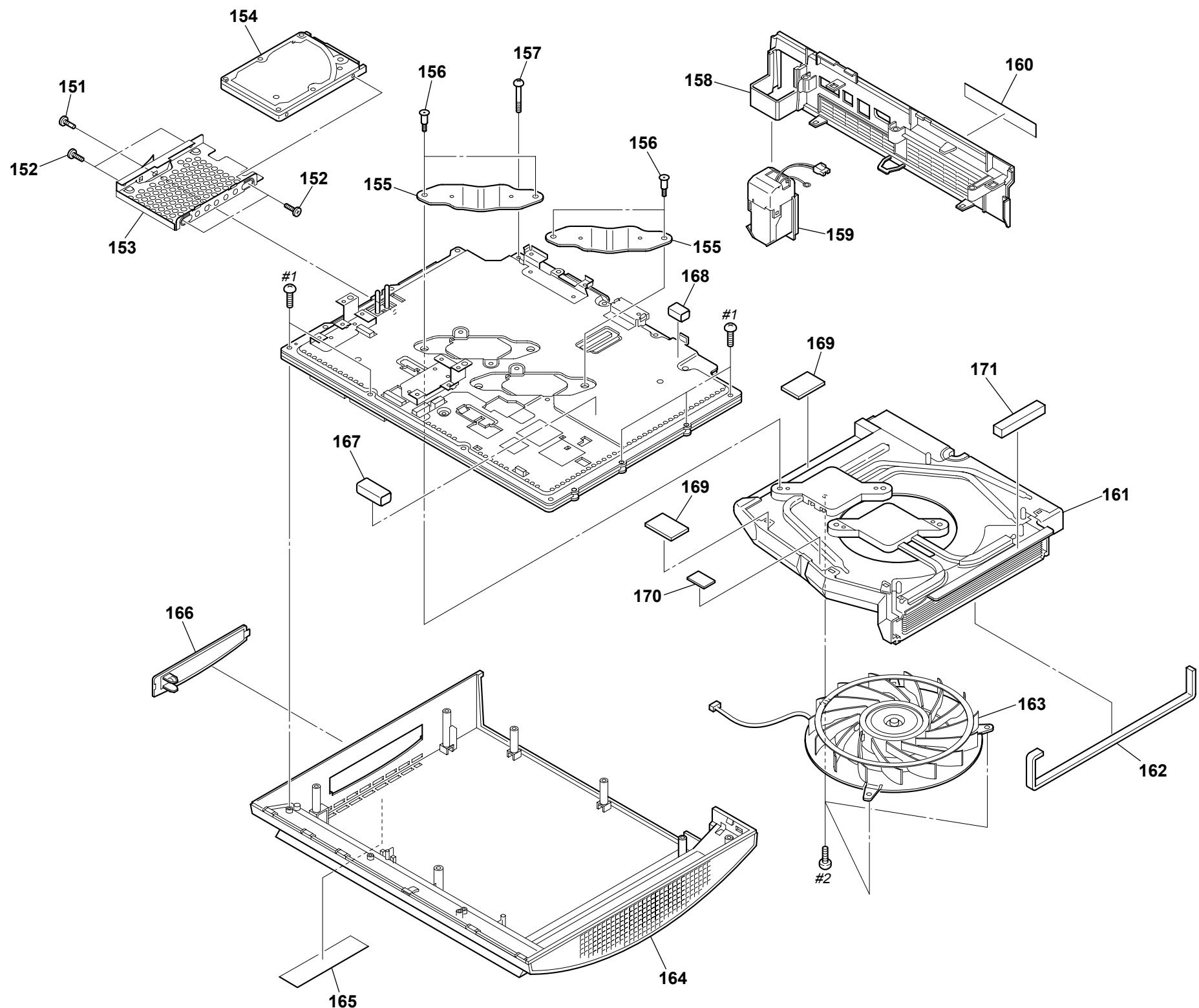
Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

3-3. BOARDS SECTION

SC	Ref. No.	Part No.	Description	Remark
S	101	2-888-866-01	SCREW, +BV 3X7	
S	102	1-474-037-11	REGULATOR, SWITCHING(E01,E11)	
S	102	1-474-046-11	REGULATOR, SWITCHING(C02,C03,C04,C08,E05)	
S	103	1-965-043-11	HARNESS (POWER 5PIN)	
S	104	1-754-466-11	ANTENNA	
S	105	2-898-730-02	CUSHION (1.5X4.5X1.0)	
S	106	1-965-001-11	HARNESS (BMD POWER)	
S	107	2-888-867-01	+PSW M4X5.5	
S	108	A-1226-216-A	CSW-001 COMPL (SERVICE)	
S	109	2-888-849-01	SHIELD (SW LOWER)	
S	110	1-833-478-11	CABLE, FLEXIBLE FLAT (FFC-010)	
S	111	A-1268-384-A	CWI-001 COMPL (BH) (SERVICE)	
S	112	2-890-572-01	SHIELD (WL UPPER)	
S	113	1-833-470-21	CABLE, FLEXIBLE FLAT (33P)	
S	114	2-891-153-01	TAPE (10X30), HARNESS STOPPER	
S	115	3-069-212-01	TAPE, HARNESS STOPPER	
S	116	2-899-833-02	CUSHION (1.2X12X1.0)	
S	117	2-899-846-01	GASKET (3X10X20)	
S	#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

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.

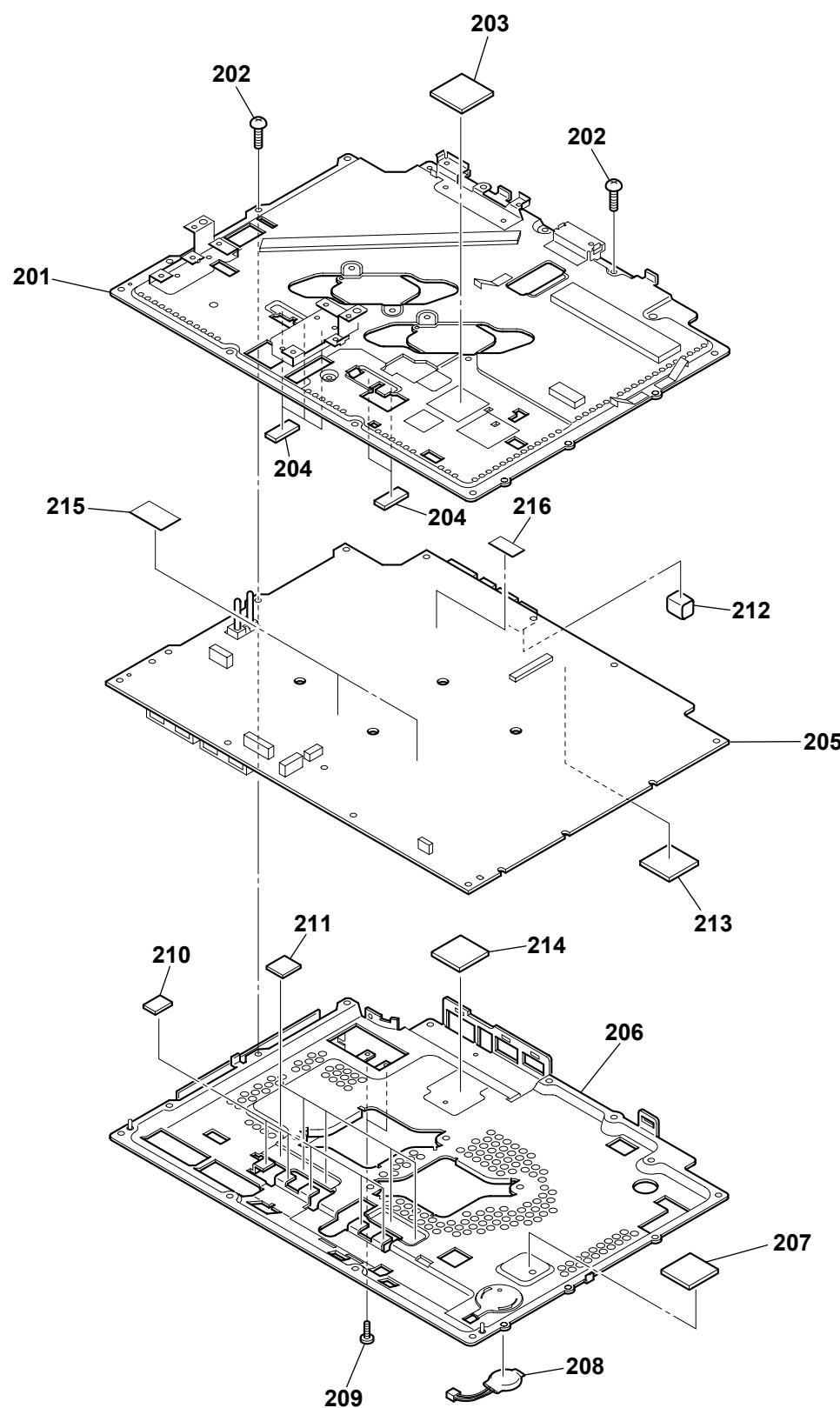
3-4. HDD SECTION

SC	Ref. No.	Part No.	Description	Remark
S	151	2-888-868-01	SCREW (M3X3.5)	
S	152	2-888-863-01	SCREW, M3X3.5 FLAT HEAD	
S	153	X-2149-623-2	HOLDER ASSY, HDD	
S \triangle	154	1-797-692-11	HDD ST96812AS (60GB) (C02,C03,C04,C08)	
S \triangle	154	1-797-874-11	HDD ST980811AS (80GB) (E01,E05)	
S	155	2-888-858-01	SPRING (HEAT SINK), LEAF	
S	156	2-888-861-01	SCREW (HEAT SINK), STEP	
S	157	2-888-864-01	(+) BV TAPPING SCREW 3	
S \triangle	158	9-910-000-98	PANEL ASSY, REAR	
S \triangle	159	1-798-026-13	SWITCH (WITH AC INLET)	
S	160	9-910-001-14	LABEL (REAR), SERIAL (AU/60GB/R) (C02)	
S	160	9-910-001-16	LABEL (REAR), SERIAL (UK/60GB/R) (C03)	
S	160	9-910-001-18	LABEL (REAR), SERIAL (CE/60GB/R) (C04)	
S	160	9-910-001-26	LABEL (REAR), SERIAL (RU/60GB/R) (C08)	
S	160	9-910-001-64	LABEL (REAR), SERIAL (UC/80GB/R) (E01)	
S \triangle	160	9-910-001-65	LABEL (REAR), SERIAL (KR/80GB/R) (E05)	
S \triangle	160	9-910-002-01	LABEL(REA),SERIAL(MX/80GB/R) (E11)	
S	161	2-888-857-01	HEAT SINK	
S	162	2-891-147-01	CUSHION (7X230X3)	
S \triangle	163	1-787-558-12	FAN, D.C. (D14F-12BS1 01H1)	
S \triangle	164	9-910-001-43	CABINET ASSY, LOWER	
S \triangle	165	3-113-114-01	LABEL, MODEL NUMBER (AU3) (C02)	
S \triangle	165	3-113-116-01	LABEL, MODEL NUMBER (CEK) (C03)	
S \triangle	165	3-113-118-01	LABEL, MODEL NUMBER (CEL) (C04)	
S	165	3-208-026-01	LABEL, MODEL NUMBER (RU3) (C08)	
S \triangle	165	3-212-114-01	LABEL, MODEL NUMBER (UC2) (E01)	
S \triangle	165	3-212-115-01	LABEL, MODEL NUMBER (KR2) (E05)	
S \triangle	165	3-272-100-01	LABEL, MODEL NUMBER (MX2) (E11)	
S \triangle	166	9-910-001-01	LID ASSY, HDD (E01)	
S \triangle	166	9-910-001-45	LID ASSY, HDD (C02,C03,C04,E11)	
S \triangle	166	9-910-001-62	LID ASSY, HDD (E05)	
S \triangle	166	9-910-001-63	LID ASSY, HDD (C08)	
S	167	2-893-730-01	GASKET (7X10X25)	
S	168	2-893-731-01	GASKET (7X10X15)	
S	169	2-899-846-01	GASKET (3X10X20)	
S	170	3-100-483-01	GASKET (4X9X20)	
S	171	3-100-481-01	GASKET (4X5X50)	
#1		7-685-647-79	SCREW +BVT P 3X10 TYPE2 N-S	
#2		7-682-145-01	SCREW +P 3X4	

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

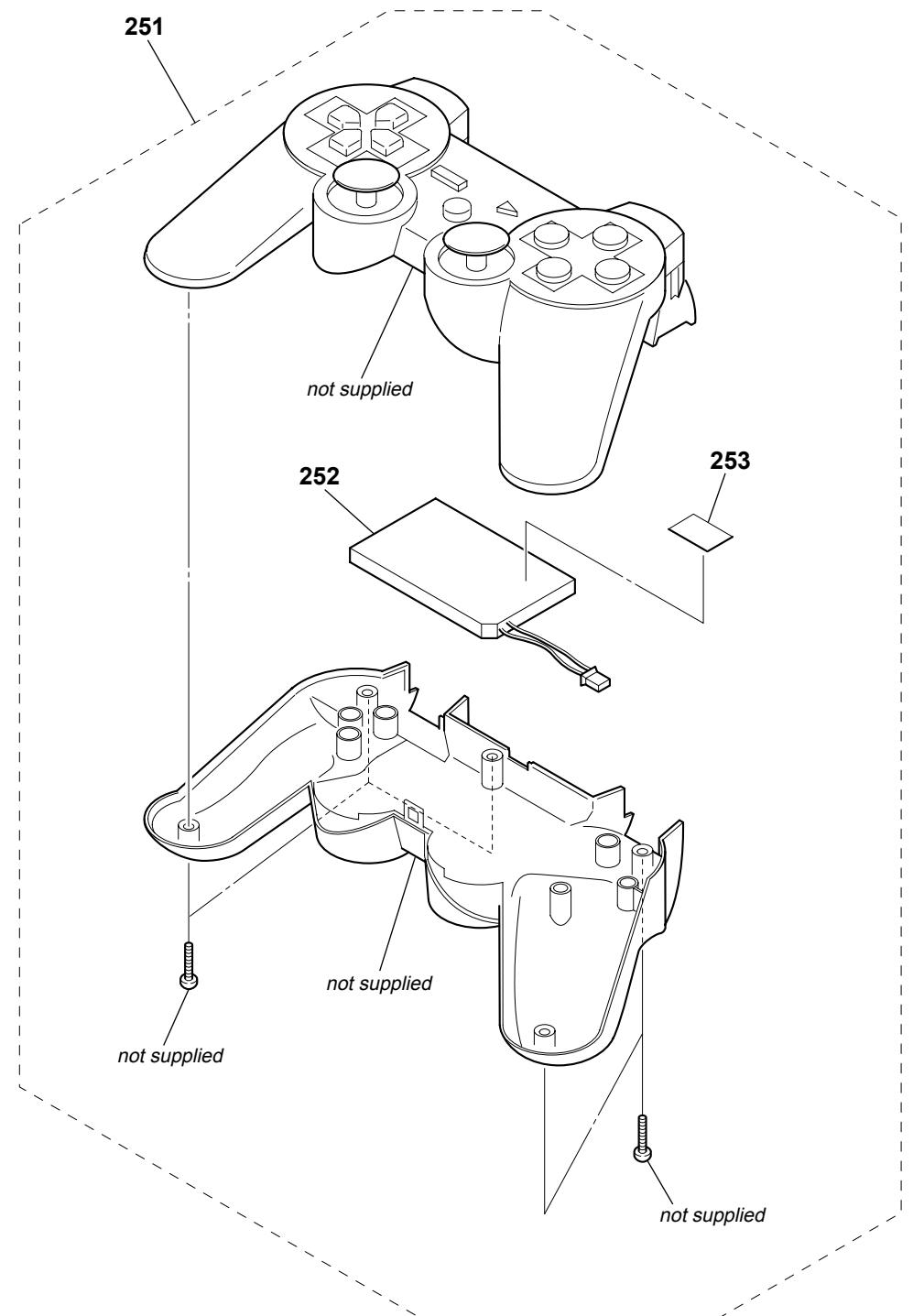
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

3-5. FRAME SECTION



SC	Ref. No.	Part No.	Description	Remark
S	201	X-2149-622-2	FRAME ASSY, SUB	
S	202	2-894-361-01	SCREW, +B 2.5X7	
S	203	2-891-151-01	SHEET (24X24X2)	
S	204	2-891-150-01	SHEET (12X7X1.3)	
S \triangle	205	A-1257-553-A	COK-002 COMPL (HC) (SERVICE)	
S	206	X-2149-621-3	FRAME ASSY, MAIN	
S	207	2-891-148-01	SHEET (30X30X1.3)	
S \triangle	208	9-886-100-13	BATTERY, LITHIUM (CR2032-LC1) (DC 3V/200mAh)	
S	209	2-888-862-01	SCREW, O PLATE SPECIAL HEAD	
S	210	2-896-902-01	SHEET (11X11X1.3)	
S	211	2-891-149-01	SHEET (13X13X1.3)	
S	212	2-893-732-01	GASKET (7X7X8)	
S	213	2-899-467-01	SHEET (20X30X1.1)	
S	214	2-899-683-01	SHEET, SB (24X24X2)	
S	215	3-100-482-01	SHEET (15X30X0.4)	
S	216	3-069-212-01	TAPE, HARNESS STOPPER	

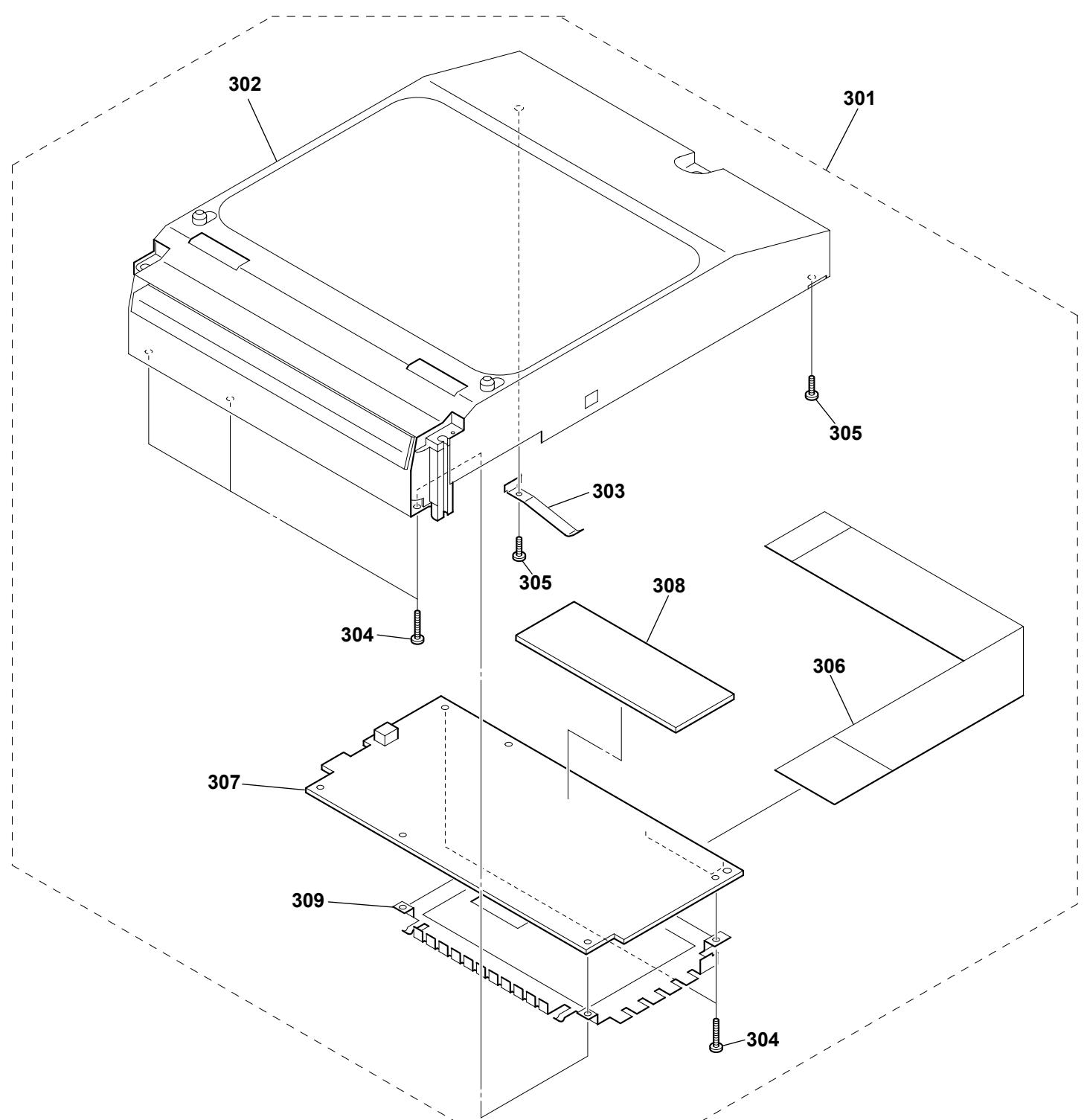
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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3-6. CONTROLLER SECTION

SC	Ref. No.	Part No.	Description	Remark
S	251	1-417-780-22	CONTROLLER, WIRELESS (E01)	
S	251	1-417-780-32	CONTROLLER, WIRELESS (C02)	
S	251	1-417-780-42	CONTROLLER, WIRELESS (C03,C04)	
S	251	1-417-780-52	CONTROLLER, WIRELESS (E05)	
S	251	1-417-780-82	CONTROLLER, WIRELESS (C08)	
S	251	1-417-794-12	CONTROLLER, WIRELESS (E11)	
S \triangle	252	1-756-704-11	BATTERY, STORAGE, LITHIUM ION (LIP1359) (DC 3.7V/610mAh)	
S \triangle	253	2-898-557-01	LABEL, BATTERY (U) (E01)	

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.

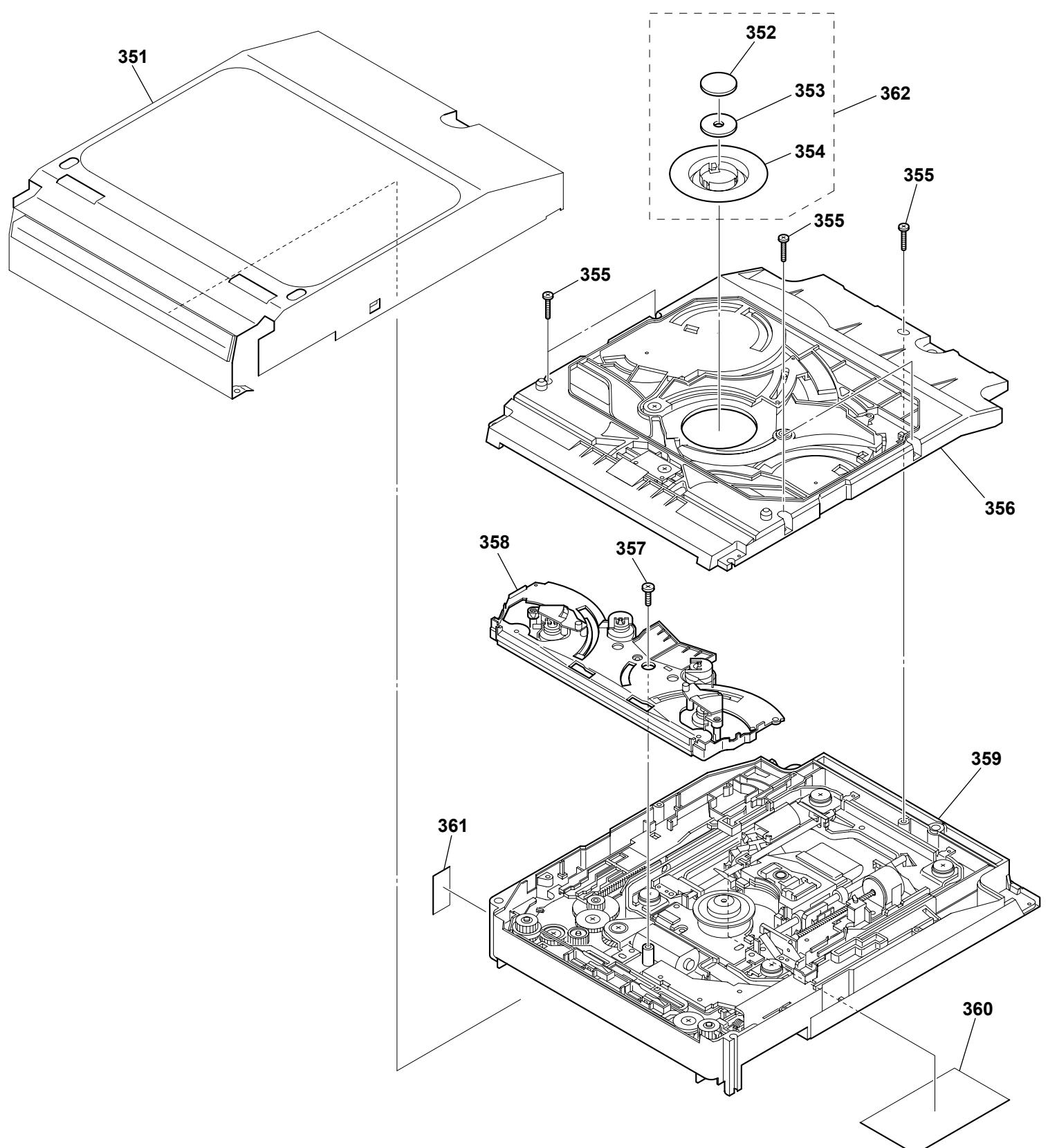
3-7. LOADING COMPLETE ASSY SECTION

SC	Ref. No.	Part No.	Description	Remark
S	301	9-910-001-47	SERVICE, LOADING COMPLETE ASSY	
U	302	A-1203-908-A	LOADING BLOCK ASSY	
S	303	2-894-364-02	SPRING (MD), LEAF	
S	304	3-948-339-12	SCREW, TAPPING	
S	305	3-082-653-11	O PART-NO. 3 MAIN M2	
S	306	1-833-479-11	CABLE, FLEXIBLE FLAT (FFC-060)	
S	307	A-1267-249-A	BMD-001 COMPL (SERVICE)	
S	308	2-698-708-02	CUSHION (PWB)	
S	309	9-910-001-48	SHIELD ASSY (MD)	

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

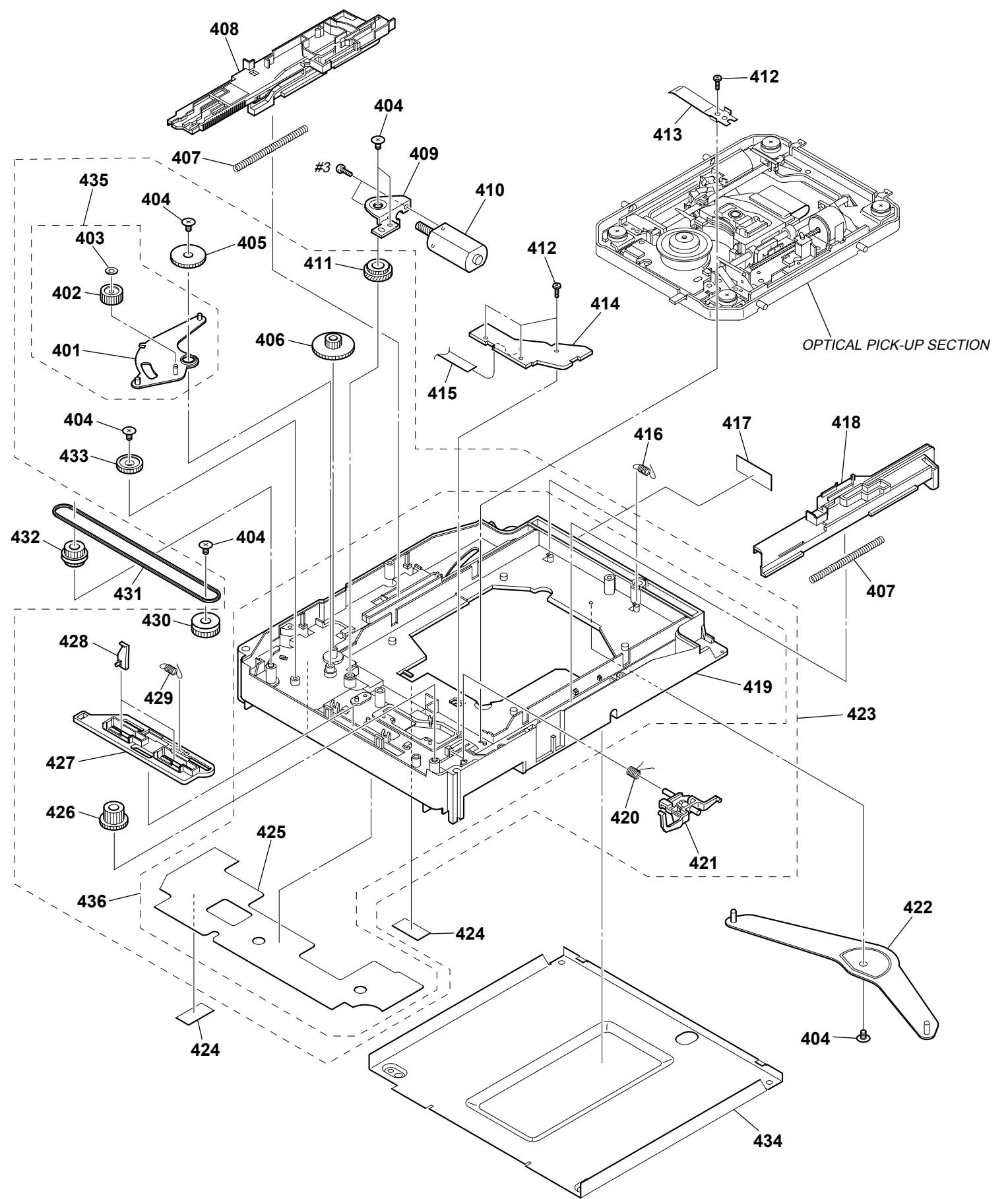
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

3-8. LOADING BLOCK ASSY SECTION



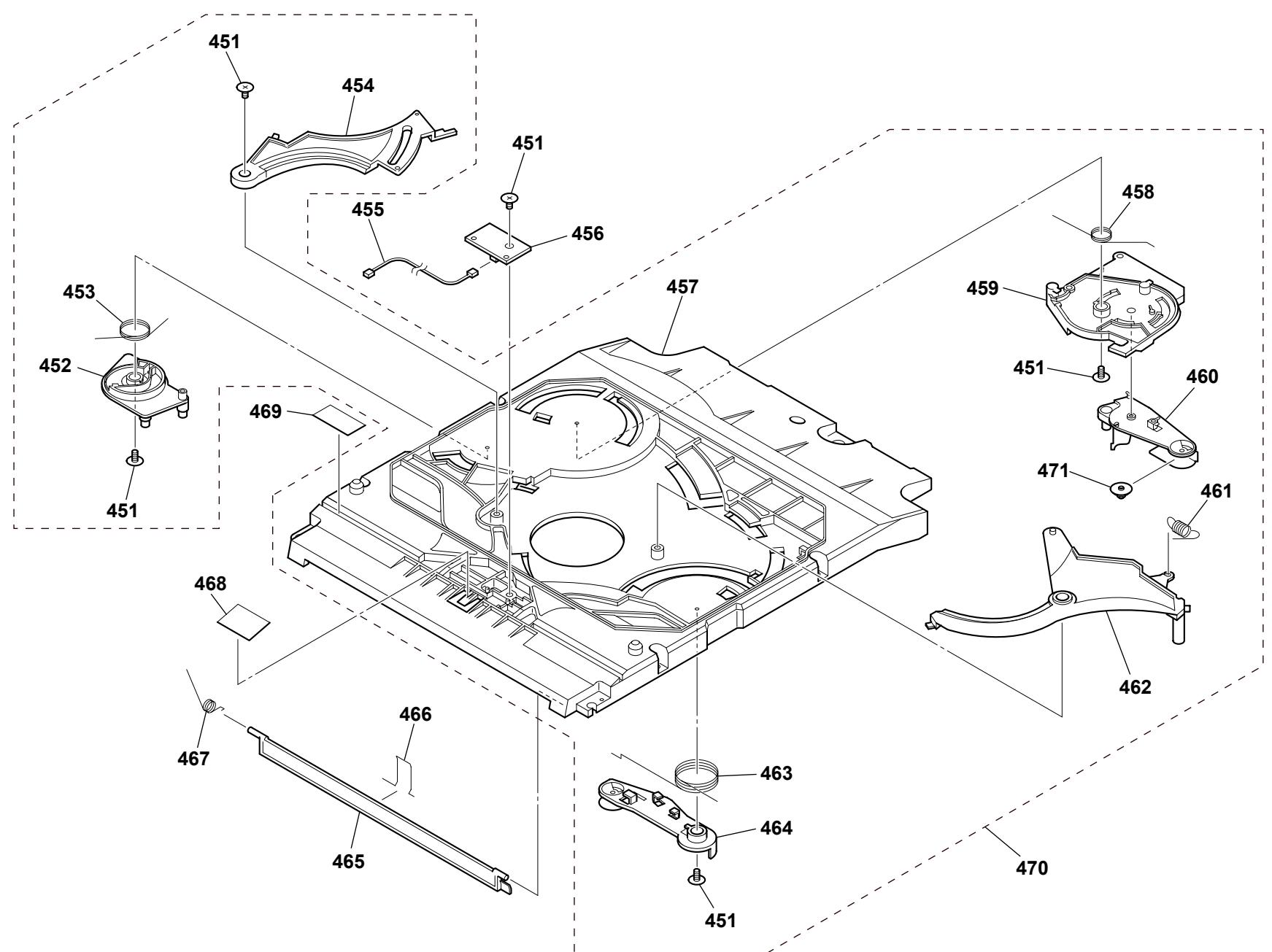
SC	Ref. No.	Part No.	Description	Remark
S	351	9-910-001-52	COVER ASSY, TOP	
U	352	2-698-683-01	YOKE (CHUCK PULLEY)	
U	353	1-471-407-11	MAGNET	
U	354	2-698-682-02	PULLEY, CHUCK	
S	355	3-948-339-12	SCREW, TAPPING	
S	356	A-1204-033-A	FRAME COMPLETE ASSY, TOP	
S	357	2-647-360-61	SCREW (B2), TAPPING	
S	358	A-1204-035-A	ARM ASSY, FRONT	
U	359	A-1203-909-A	FRAME COMPLETE ASSY, BASE	
S	360	2-888-817-01	LABEL, LASER CAUTION	
S	361	3-069-212-01	TAPE, HARNESS STOPPER	
S	362	A-1204-038-B	PULLEY ASSY, CHUCK	

3-9. BASE FRAME COMPLETE ASSY SECTION

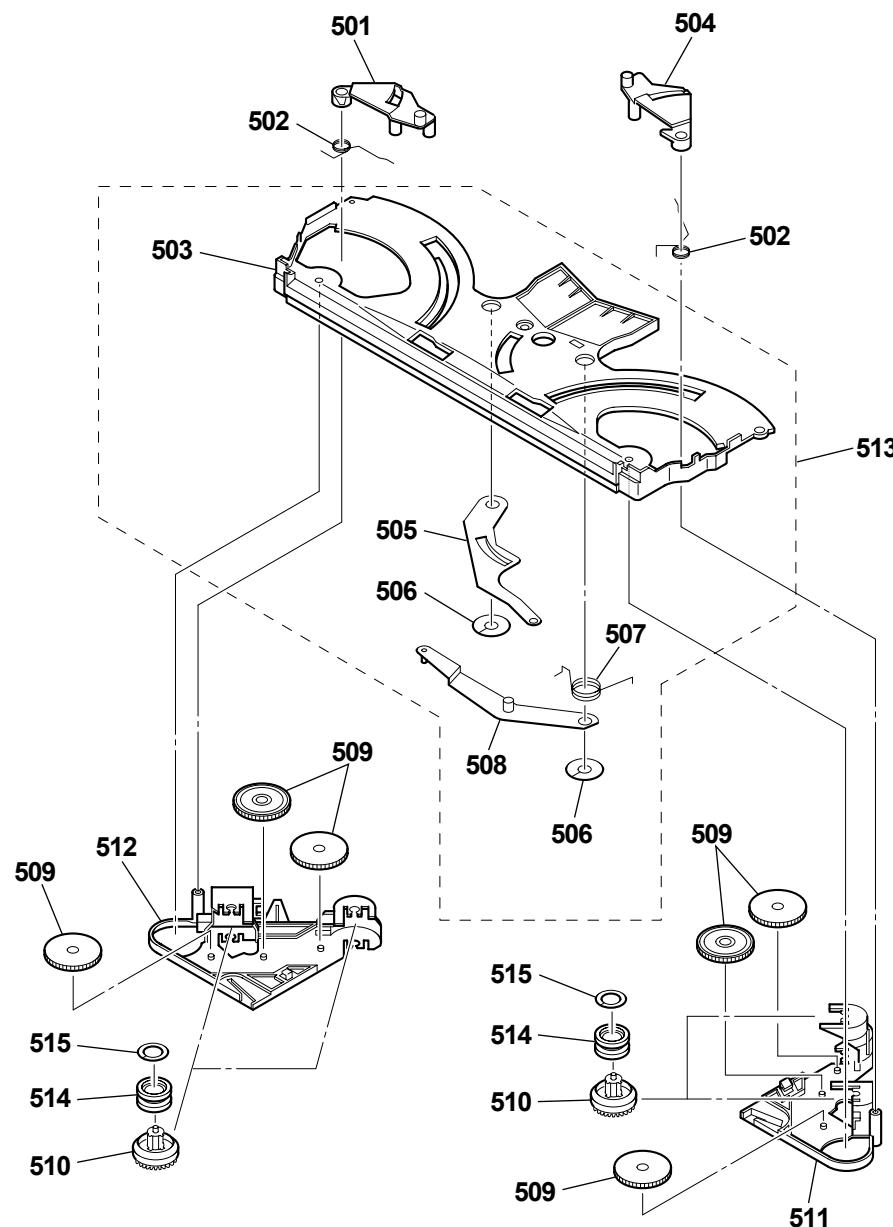


<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
U	401	X-2149-112-1	ARM SUB ASSY, SWING	
U	402	2-698-620-01	GEAR (SWING ARM)	
U	403	2-698-633-01	WASHER (GEAR)	
U	404	2-059-635-11	SCREW	
U	405	2-698-466-01	GEAR (A)	
U	406	2-698-467-01	GEAR (CAM DRIVING)	
U	407	2-698-652-01	SPRING (SLIDE CAM), COMPRESSION	
S	408	2-698-624-02	CAM (L), SLIDE	
S	409	2-698-629-01	BRACKET, MOTOR	
S	410	X-2149-103-1	MOTOR ASSY, LOADING	
U	411	2-698-465-01	WHEEL, WORM	
U	412	2-647-360-61	SCREW (B2), TAPPING	
U	413	2-698-630-01	SPRING (BU HOLDER), LEAF	
S	414	A-1267-250-A	BL1-001 COMPL (SERVICE)	
S	415	1-833-249-11	CABLE, FLEXIBLE FLAT (FFC-014)	
U	416	2-698-653-01	SPRING (BU HOLDER), EXTENSION	
S	417	2-890-570-01	LABEL, SERIAL NUMBER	
S	418	2-698-625-02	CAM (R), SLIDE	
U	419	2-698-626-01	FRAME, BASE	
U	420	2-698-664-01	SPRING (SHUTTER ARM), TORSION	
U	421	2-698-623-01	ARM, SHUTTER	
S	422	2-698-628-01	ARM, LINK	
S	423	A-1203-919-C	BASE FRAME ASSY	
S	424	3-069-212-01	TAPE, HARNESS STOPPER	
U	425	2-698-631-01	SHEET (BASE FRAME)	
U	426	2-698-617-01	GEAR (SHAFT R)	
U	427	2-698-621-01	SLIDER (SHUTTER), LOCK	
U	428	2-698-622-01	LEVER (SHUTTER), LOCK	
U	429	2-698-654-02	SPRING (LOCK SLIDER), EXTENSION	
U	430	2-698-618-01	GEAR (BELT)	
S	431	2-698-651-01	BELT (FRONT ARM)	
S	432	2-698-650-01	GEAR (SHAFT L)	
U	433	2-698-619-01	GEAR (IDLER)	
S	434	9-910-001-51	COVER, BOTTOM	
U	435	A-1203-920-A	ARM ASSY, SWING	
U	436	A-1204-032-A	FRAME SUB ASSY, BASE	
S	#3	7-627-554-38	SCREW, PRECISION +P 2X1.8 TYPE1	

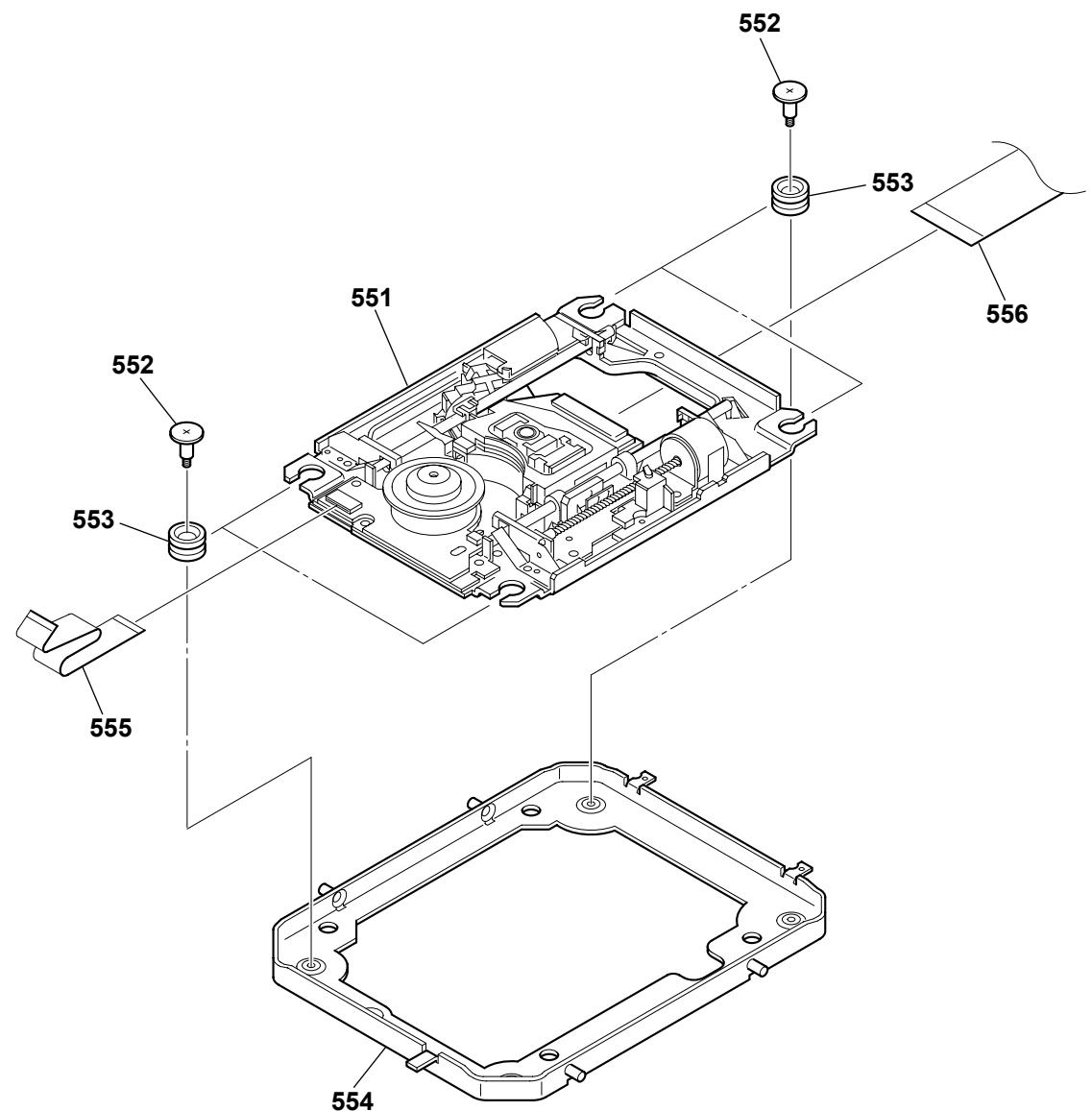
3-10. TOP FRAME COMPLETE ASSY SECTION



<u>SC</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
S	451	2-059-635-11	SCREW	
U	452	2-698-660-02	ARM (REAR GUIDE), LOCK	
U	453	2-698-686-01	SPRING (LOCK ARM), TORSION	
U	454	2-698-656-02	ARM (L), CHUCK	
S	455	1-964-978-11	HARNESS, 2PIN CONNECTOR (LED)	
U	456	A-1205-601-A	BL2-001 COMPL	
U	457	2-698-655-02	FRAME, TOP	
U	458	2-699-485-01	SPRING (REAR GUIDE ARM), TORSION	
U	459	2-698-661-01	ARM, REAR GUIDE	
U	460	2-889-123-03	ARM (A), DETECTION	
U	461	2-698-687-01	SPRING (CHUCK ARM), EXTENSION	
U	462	2-698-657-03	ARM (R), CHUCK	
U	463	2-698-685-01	SPRING (SUPPORT ARM), TORSION	
U	464	2-698-658-01	ARM, SUPPORT	
U	465	2-698-663-01	SHUTTER	
U	466	2-889-118-01	HOOK (SHUTTER)	
U	467	2-698-665-01	SPRING (SHUTTER), TORSION	
U	468	2-889-128-01	SHEET (TOP FRAME)	
S	469	3-069-212-01	TAPE, HARNESS STOPPER	
U	470	A-1204-034-E	FRAME ASSY, TOP	
U	471	2-698-662-01	ROLLER (REAR GUIDE)	

3-11. FRONT ARM ASSY SECTION

SC	Ref. No.	Part No.	Description	Remark
U	501	2-698-697-01	LOCK (FRONT ARM L)	
U	502	2-698-699-03	SPRING (LOCK FA), TORSION	
U	503	2-698-688-03	BRACKET (FRONT ARM)	
U	504	2-698-698-01	LOCK (FRONT ARM R)	
U	505	2-698-694-01	ARM (FB), LINK	
U	506	2-698-633-01	WASHER (GEAR)	
U	507	2-698-710-01	SPRING (FRONT ARM), TORSION	
U	508	2-698-693-01	ARM (FA), LINK	
U	509	2-698-691-01	GEAR (FRONT ARM)	
U	510	2-698-692-01	GEAR (ROLLER)	
U	511	2-698-690-02	ARM (R), FRONT	
U	512	2-698-689-02	ARM (L), FRONT	
U	513	A-1204-036-C	ARM SUB ASSY, FRONT	
U	514	2-698-695-01	ROLLER RUBBER	
U	515	2-698-700-01	WASHER (ROLLER)	

3-12. OPTICAL PICK-UP SECTION

SC	Ref. No.	Part No.	Description	Remark
S	△ 551	8-820-372-03	DEVICE, OPTICAL KEM400AAA/J1NP1	
S	552	2-698-669-01	SCREW, STEP	
S	553	2-698-668-01	INSULATOR	
U	554	9-910-001-49	HOLDER, BU	
S	555	1-833-247-11	CABLE, FLEXIBLE FLAT (FFC-019)	
S	556	1-833-248-13	CABLE, FLEXIBLE FLAT (FFC-045)	

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.
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3-13. ACCESSORIES & PACKING MATERIALS

<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>
ACCESSORIES & PACKING MATERIALS									

S	1-534-827-51	CORD, POWER (E01)			S	3-212-097-41	MANUAL, INSTRUCTION (E11)		
S	1-551-631-71	CORD, POWER (C04,C08)			S	3-212-098-41	MANUAL, INSTRUCTION (E11)		
S	1-785-004-13	CONNECTOR, CONVERSION (C03,C04)			S	3-270-099-01	INDIVIDUAL CARTON (E11)		
S	1-834-231-41	CORD, CONNECTION			S	3-270-100-01	MASTER CARTON, 2 SETS (E11)		
S	1-824-532-51	POWER-SUPPLY CORD (C03)			S	3-271-519-01	CARD, WARRANTY (SMX) (E11)		
S	1-833-117-31	POWER-SUPPLY CORD SET (C02)			S	9-910-001-65	LABEL (REAR), SERIAL (KR/8GB/R) (E05)		
S	1-833-614-11	CORD, POWER (E05)			S	9-910-002-01	LABEL (REAR), SERIAL (MX/8GB/R) (E11)		
S	1-833-625-11	CABLE, USB							
S	1-833-636-12	CABLE, LAN							
S	2-187-182-03	CARD, ESRB (E01)							
S	2-631-055-11	TAPE,ROBBERY PREVENTION (C02,C03,C04,C08)							
S	2-892-708-11	CARD (OR) (A) (C02)							
S	2-892-709-11	CARD (OR) (B) (C03)							
S	2-892-710-12	CARD (OR) (C) (C04)							
S	2-893-688-12	CARD, OPM (PSU) (E01)							
S	2-893-689-12	CARD, SERVICE INFORMATION (E01)							
S	2-894-639-01	C.C.B. CUSHION (L)							
S	2-894-640-02	C.C.B. CUSHION (R)							
S	2-894-641-01	PARTITION, ACCESSORY							
S	2-894-642-01	SHET, PROTECTION							
S	2-894-643-01	BAG, POLYETHYLENE, RECYLED							
S	2-894-644-23	MANUAL, INSTRUCTION (C02,C03)							
S	2-894-644-33	MANUAL, INSTRUCTION (C04)							
S	2-894-644-71	MANUAL, INSTRUCTION (C08)							
S	2-894-645-23	MANUAL, INSTRUCTION (C02,C03)							
S	2-894-645-33	MANUAL, INSTRUCTION (C04)							
S	2-894-645-72	MANUAL, INSTRUCTION (C08)							
S	2-897-600-01	HANDLE							
S	2-897-601-01	REINFORCEMENT, HANDLE							
S	3-098-272-11	GUIDE,SERVICE (E05)							
S	3-196-026-01	INDIVIDUAL CARTON (C04)							
S	3-196-027-01	MASTER CARTON, 2 SETS (C04)							
S	3-196-028-01	INDIVIDUAL CARTON (C03)							
S	3-196-029-01	MASTER CARTON, 2 SETS (C03)							
S	3-196-030-01	INDIVIDUAL CARTON (C02)							
S	3-196-031-01	MASTER CARTON, 2 SETS (C02)							
S	3-196-168-11	INSTRUCTION (R&TTE) (C03,C04)							
S	3-198-789-01	INDIVIDUAL CARTON (C08)							
S	3-198-790-01	MASTER CARTON, 2 SETS (C08)							
S	3-209-265-11	INSTRUCTION (REPLACEMENT)							
(EXCEPT E01,E05)									
S	3-212-097-11	MANUAL, INSTRUCTION (E01)							
S	3-212-098-12	MANUAL, INSTRUCTION (E01)							
S	3-212-097-21	MANUAL, INSTRUCTION (E05)							
S	3-212-098-21	MANUAL, INSTRUCTION (E05)							
S	3-212-089-01	INDIVIDUAL CARTON (E01)							
S	3-212-090-01	MASTER CARTON, 2 SETS (E01)							
S	3-212-091-01	INDIVIDUAL CARTON (E05)							
S	3-212-092-01	MASTER CARTON, 2 SETS (E05)							
S	2-212-093-01	SHET, PROTECTION (E05)							

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 ou une ligne pointillée avec une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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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.. : μA.. uPA.. : μPA..

uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..

• CAPACITORS

uF : μF

• COILS

uH : μH

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.

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

SPECIAL COMPONENT NOTICE

The components identified by mark □ 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									
S	A-1267-250-A	BL1-001 COMPL (SERVICE)			S	C2458	1-100-815-21	ELECT CHIP	1000uF 20% 4V	S	IC3101	6-710-196-01	IC AD51/007Z-0REEL					
					S	C2469	1-128-995-21	ELECT CHIP	100uF 20% 10V	S	IC3302	6-806-870-01	IC BU9869W-02-TR					
					S	C3002	1-100-539-91	TANTAL. CHIP	47uF 20% 6.3V	S	IC3303	6-707-066-01	IC BD6517F					
					S	C3006	1-128-964-91	TANTAL. CHIP	100uF 20% 6.3V	S	IC3304	6-707-066-01	IC BD6517F					
					S	C3009	1-114-248-91	TANTAL. CHIP	330uF 20% 2.5V	S	IC3305	6-806-862-01	IC GL852-MSG02-MT					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****									
U		BL2-001 COMPL			S	C3013	1-128-964-91	TANTAL. CHIP	100uF 20% 6.3V	S	CN3301	1-820-671-12	CONNECTOR, USB (SOCKET) 8P	S	IC3401	6-710-129-01	IC 88SA804C0-TBC1C000-P107	
					S	C3215	1-137-689-91	TANTAL. CHIP	47uF 20% 16V	S	CN3302	1-820-671-12	CONNECTOR, USB (SOCKET) 8P	S	IC3501	6-710-212-01	IC BD3520FVM-TR	
					S	C3246	1-137-934-91	TANTAL. CHIP	47uF 20% 10V	S	CN3401	1-820-654-11	CONNECTOR, SATA 22P	S	IC3502	6-710-206-01	IC MM1761KHBE	
					S	C3247	1-100-388-21	ELECT CHIP	39uF 20% 16V	S	CN3501	1-820-763-12	JACK, MODULAR (WITH LED, PT)	S	IC3503	6-710-202-01	IC 88E6108-B2-LAR1C000-P123	
					S	C3322	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	S	CN3701	1-820-786-11	CONNECTOR, FFC/FPC (ZIF) 33P	S	IC3801	8-753-265-45	IC CXD4302GB-T6	
S	□ A-1267-249-A	BMD-001 COMPL (SERVICE)			S	C3323	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	S	CN4001	1-794-509-21	PIN, CONNECTOR (PC BOARD) 3P	S	IC3804	6-711-066-01	IC TC7SZ07FU(T5RSONYF	
					S	C3324	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	S	CN4003	1-820-789-11	PIN, CONNECTOR (PC BOARD) 2P	S	IC5001	6-710-156-01	IC ICS1493G-18LFT	
					S	C3325	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	S	CN4010	1-820-825-61	CONNECTOR, FFC/FPC 10P	S	IC5002	6-710-157-01	IC ICS9218AGLFT	
S	△ A-1226-214-A	CMC-001 COMPL (SERVICE)			S	C3401	1-137-934-91	TANTAL. CHIP	47uF 20% 10V	S	CN6004	1-820-723-11	CONNECTOR, BOARD TO BOARD 2P	S	IC5003	6-710-157-01	IC ICS9218AGLFT	
					S	C3544	1-112-561-21	TANTAL. CHIP	220uF 20% 2.5V	S	CN6005	1-778-315-11	PIN, CONNECTOR (PC BOARD) 5P	S	IC5004	6-710-154-01	IC ICS9214DGLFT	
S	△ A-1257-553-A	COK-002 COMPL (HC) (SERVICE)			S	C5031	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	*****	*****	*****	S	IC6005	6-701-979-01	IC TC7WB66FK(TE85R)		
					S	C6028	1-114-253-21	TANTAL. CHIP	330uF 20% 6.3V	S	ET8001	1-780-465-11	TERMINAL (ON BOARD CONTACT)	S	IC6003	6-705-646-01	IC MB39A116PFT	
					S	C6029	1-114-253-21	TANTAL. CHIP	330uF 20% 6.3V	S	ET8002	1-780-465-11	TERMINAL (ON BOARD CONTACT)	S	IC6004	6-710-166-01	IC PST3642UL	
					S	C6095	1-112-561-21	TANTAL. CHIP	220uF 20% 2.5V	S	IC6005	6-710-217-01	IC NCP511SN33T1G					
					S	C6116	1-112-861-11	ELECT CHIP	150uF 20% 16V	S	IC6006	6-703-212-01	IC NCP511SN18T1					
					S	C6117	1-112-861-11	ELECT CHIP	150uF 20% 16V	*****	*****	*****	S	IC6007	6-710-210-01	IC TPS73101DBVRG4		
S	BZ4001	1-529-986-11	BUZZER, VOLTAGE		S	C6118	1-112-861-11	ELECT CHIP	150uF 20% 16V	S	IC6008	6-703-212-01	IC NCP511SN18T1					
					S	C6140	1-114-167-11	ELECT	1200uF 2.5V	S	IC6009	6-710-217-01	IC NCP511SN33T1G					
					S	C6141	1-114-167-11	ELECT	1200uF 2.5V	S	IC6011	6-710-216-01	IC NCP511SN25T1G					
					S	C6142	1-114-167-11	ELECT	1200uF 2.5V	S	IC6012	6-709-932-01	IC MM3141CNRE					
					S	C6143	1-114-167-11	ELECT	1200uF 2.5V	*****	*****	*****	S	IC6013	6-710-215-01	IC MM1562ZFB		
					S	C6212	1-112-561-21	TANTAL. CHIP	220uF 20% 2.5V	S	IC6014	6-704-531-01	IC MM1591JFBEG					
					S	C6217	1-114-250-21	ELECT CHIP	150uF 20% 16V	S	IC6017	6-710-214-01	IC BD3521FVM-TR					
					S	C6218	1-114-250-21	ELECT CHIP	150uF 20% 16V	S	IC6019	6-703-629-01	IC NCP511SN15T1G					
					S	C6229	1-114-167-11	ELECT	1200uF 2.5V	S	IC6020	6-709-980-01	IC MM1593DFBEG					
					S	C6230	1-114-167-11	ELECT	1200uF 2.5V	S	IC6023	6-710-166-01	IC PST3642UL					
					S	C6231	1-114-167-11	ELECT	1200uF 2.5V	S	IC6103	6-710-177-01	IC NCP518FTR2G					
					S	C6232	1-114-167-11	ELECT	1200uF 2.5V	S	IC6104	6-710-178-01	IC IP2003ATRPBF					
					S	C6336	1-114-251-21	TANTAL. CHIP	470uF 20% 2.5V	S	IC6105	6-710-178-01	IC IP2003ATRPBF					
					S	C6341	1-114-251-21	TANTAL. CHIP	470uF 20% 2.5V	S	IC6106	6-710-178-01	IC IP2003ATRPBF					
					S	C6371	1-112-561-21	TANTAL. CHIP	220uF 20% 2.5V	S	IC6204	6-710-250-01	IC TC7SG08FU					
					S	C6620	1-112-561-21	TANTAL. CHIP	220uF 20% 2.5V	S	IC6207	6-710-250-01	IC TC7SG08FU					
					S	C8051	1-114-248-91	TANTAL. CHIP	330uF 20% 2.5V	S	IC6200	6-710-212-01	IC BD3520FVM-TR					
					S	C8080	1-100-425-91	TANTAL. CHIP	220uF 20% 10V	S	IC6201	6-710-177-01	IC NCP518FTR2G					
					S	C6342	1-114-251-21	TANTAL. CHIP	470uF 20% 2.5V	S	IC6202	6-710-178-01	IC IP2003ATRPBF					
					S	C6343	1-114-251-21	TANTAL. CHIP	470uF 20% 2.5V	S	IC6203	6-710-178-01	IC IP2003ATRPBF					
					S	C6344	1-114-251-21	TANTAL. CHIP	470uF 20% 2.5V	S	IC6204	6-710-250-01	IC TC7SG08FU					
					S	C6369	1-112-561-21</td											

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
< THERMISTOR (POSITIVE) >																			
S ▲	TH2401	1-802-276-11	THERMISTOR, POSITIVE		S ▲	A-1226-216-A	CSW-001 COMPL (SERVICE)												
S ▲	TH2501	1-802-276-11	THERMISTOR, POSITIVE																
S ▲	TH3202	1-802-243-11	THERMISTOR, POSITIVE																
S ▲	TH3203	1-802-277-11	THERMISTOR, POSITIVE																
S ▲	TH3204	1-802-277-11	THERMISTOR, POSITIVE																
S ▲	TH3301	1-802-243-11	THERMISTOR, POSITIVE		S ▲	A-1268-384-A	CWI-001 COMPL (BH) (SERVICE)												
S ▲	TH3302	1-802-243-11	THERMISTOR, POSITIVE																
S ▲	TH3401	1-802-243-11	THERMISTOR, POSITIVE																
S ▲	TH3701	1-802-277-11	THERMISTOR, POSITIVE																
S ▲	TH3702	1-802-243-11	THERMISTOR, POSITIVE																
S ▲	TH4001	1-802-277-11	THERMISTOR, POSITIVE																
S ▲	TH4002	1-802-277-11	THERMISTOR, POSITIVE																
S ▲	TH6001	1-802-243-11	THERMISTOR, POSITIVE																
S ▲	TH6002	1-802-283-11	THERMISTOR, POSITIVE																
S	VDR251	1-802-245-11	SUPPRESSOR, ESD																
S	VDR252	1-802-245-11	SUPPRESSOR, ESD																
S	VDR253	1-802-245-11	SUPPRESSOR, ESD																
S	VDR254	1-802-245-11	SUPPRESSOR, ESD																
S	VDR255	1-802-245-11	SUPPRESSOR, ESD																
S	VDR256	1-802-245-11	SUPPRESSOR, ESD																
S	VDR257	1-802-245-11	SUPPRESSOR, ESD																
S	VDR258	1-802-245-11	SUPPRESSOR, ESD																
S	VDR351	1-802-245-11	SUPPRESSOR, ESD																
S	VDR352	1-802-245-11	SUPPRESSOR, ESD																
S	VDR353	1-802-245-11	SUPPRESSOR, ESD																
S	VDR354	1-802-245-11	SUPPRESSOR, ESD																
S	VDR355	1-802-245-11	SUPPRESSOR, ESD																
S	VDR356	1-802-245-11	SUPPRESSOR, ESD																
S	VDR357	1-802-245-11	SUPPRESSOR, ESD																
S	VDR358	1-802-245-11	SUPPRESSOR, ESD																
< VIBRATOR >																			
S	X2101	1-813-876-11	VIBRATOR, CRYSTAL (24.576MHz)																
S	X2200	1-795-980-21	VIBRATOR, CRYSTAL (18.432MHz)																
S	X3301	1-813-877-11	VIBRATOR, CRYSTAL (12MHz)																
S	X3402	1-813-052-21	VIBRATOR, CRYSTAL (25MHz)																
S	X3501	1-813-052-21	VIBRATOR, CRYSTAL (25MHz)																
S	X4001	1-781-768-21	VIBRATOR, CRYSTAL (16.9344MHz)																
S	X4002	1-781-786-21	VIBRATOR, CRYSTAL (32.768kHz)																
S	X5001	1-813-875-11	VIBRATOR, CRYSTAL (14.31818MHz)																