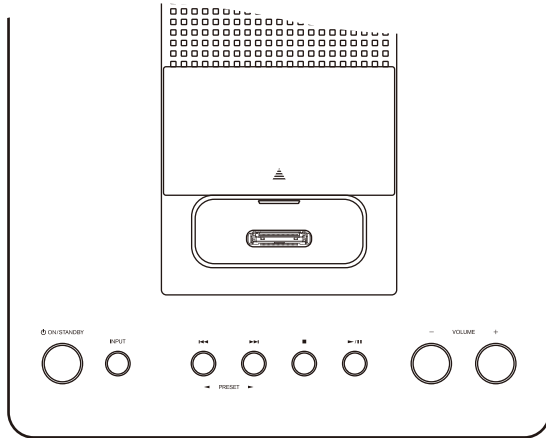


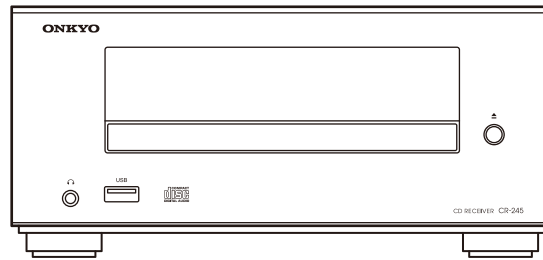
ONKYO® SERVICE MANUAL

Ref. No. 4291
072011:WMP
102011:WDC

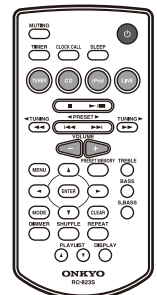
CD RECEIVER MODEL CR-245(B)/(W)/(BR)/(GR)/(R)



Top Panel



Front Panel




RC-823S

Black, White, Blue, Green and Red models

B/W/BR/GR/R WMP	230V AC, 50Hz
B/W WDC	120V AC, 60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

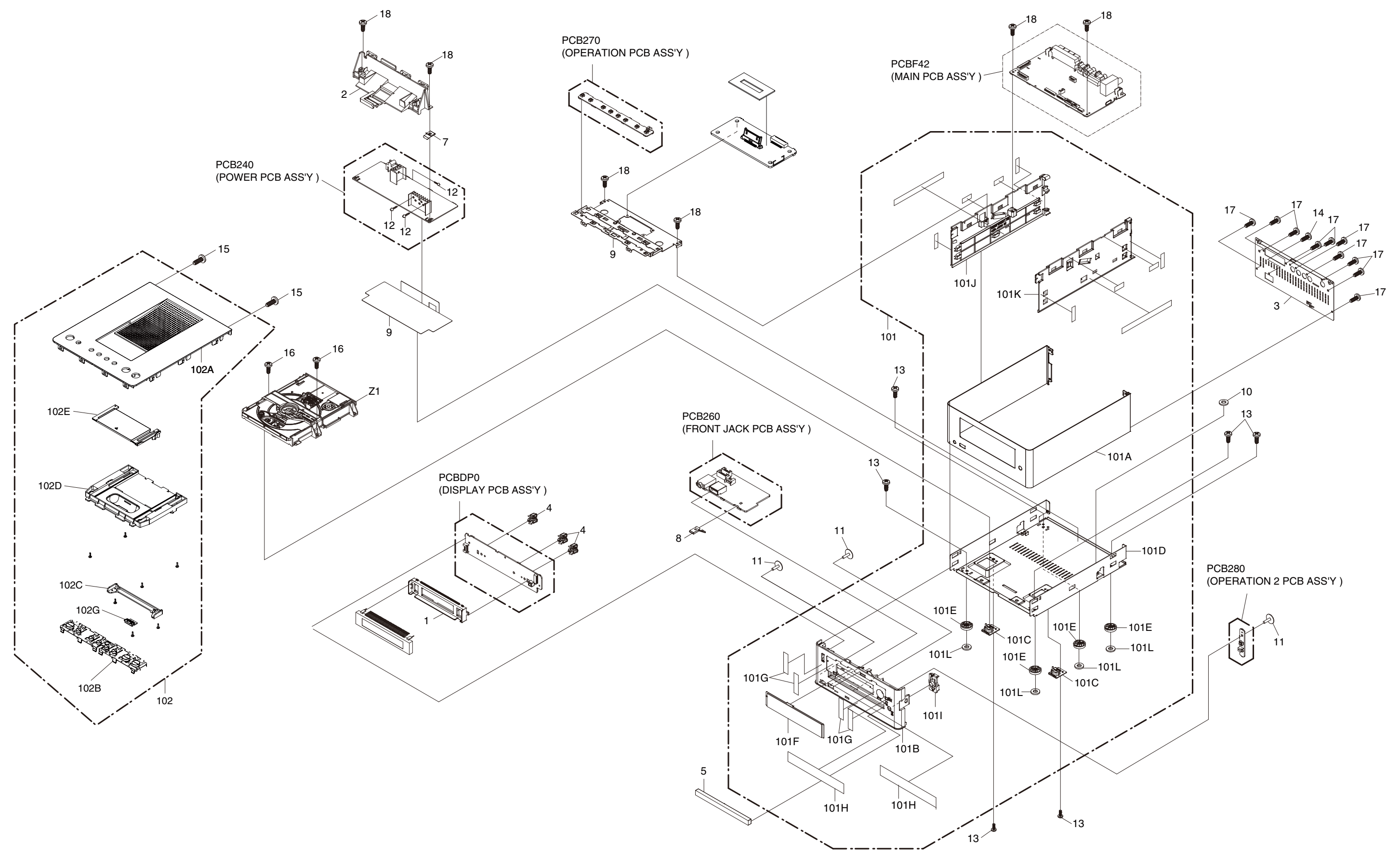
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO SOUND & VISION CORPORATION
Service Department

A B C D E F G H

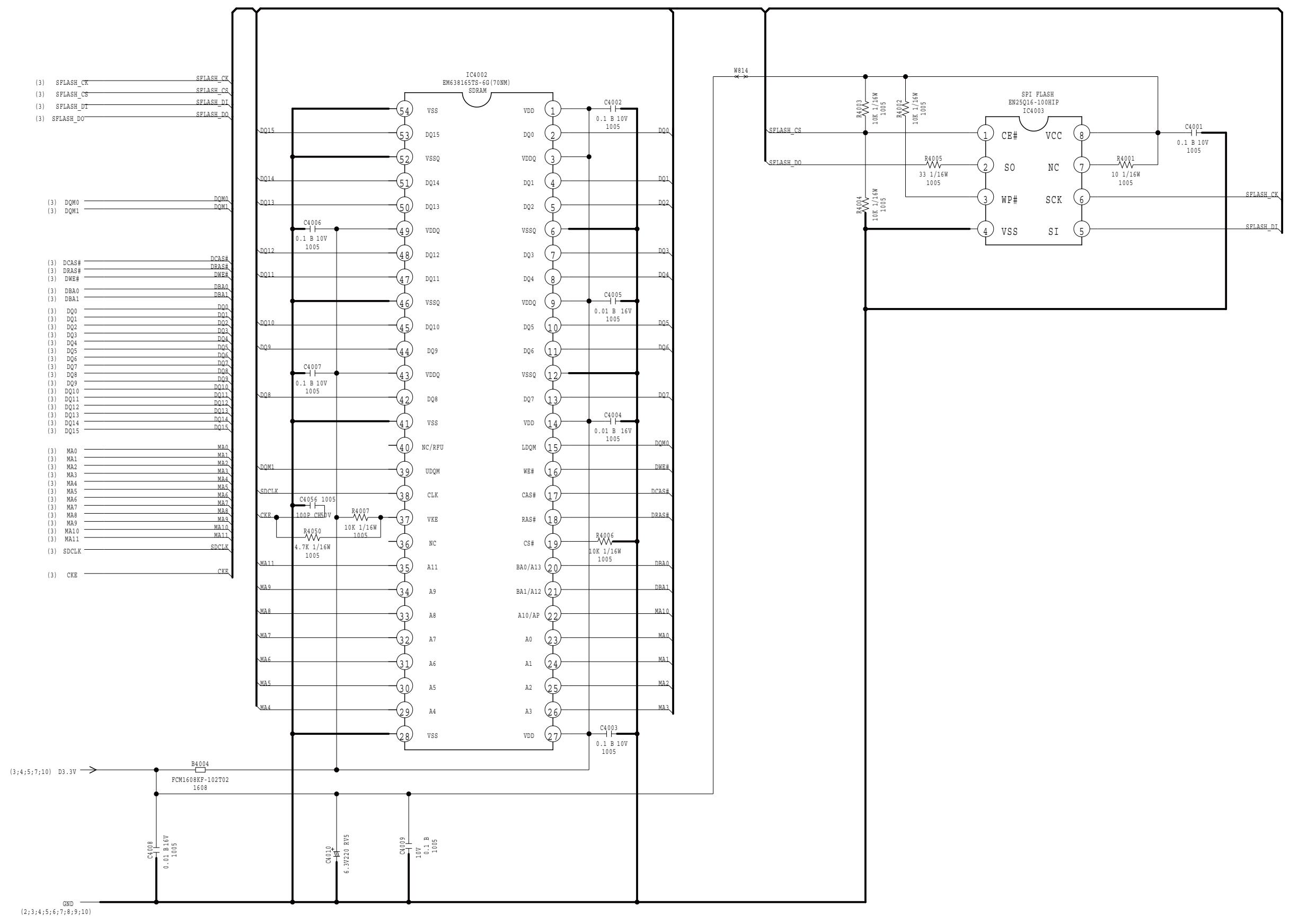
EXPLODED VIEW

1
2
3
4
5



SCHEMATIC DIAGRAMS - 1 SDRAM SECTION (MAIN PCB)

1
2
3
4
5

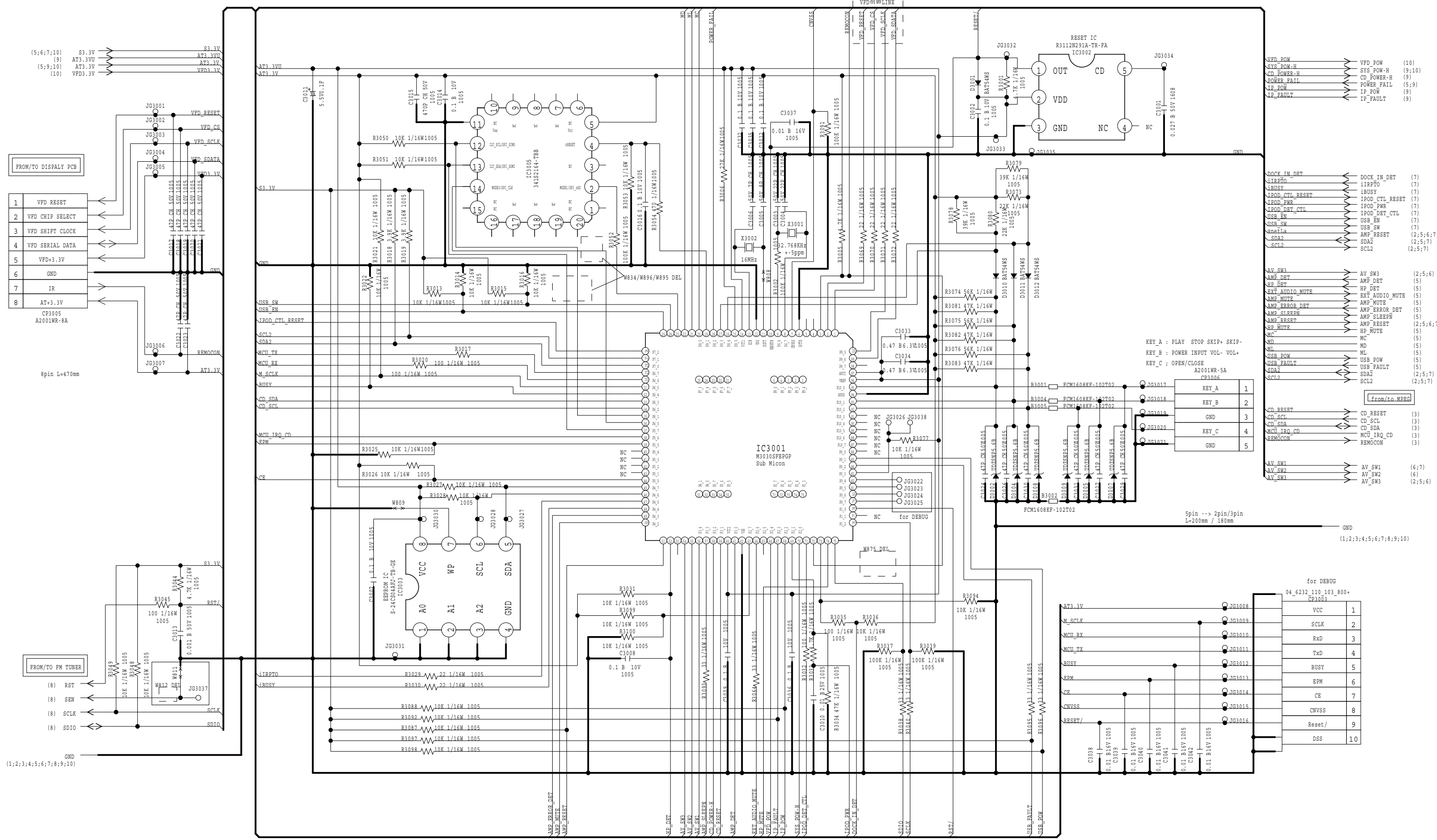


(2;3;4;5;6;7;8;9;10)

SCHEMATIC DIAGRAMS - 2 SUB MICON (MAIN PCB)

Sub Micon SCHEMATIC DIAGRAM (MAIN PCB)

1
2
3
4
5



FROM/TO DISPALY PCB

- 1 VFD RESET
 - 2 VFD CHIP SELECT
 - 3 VFD SHIFT CLOCK
 - 4 VFD SERIAL DATA
 - 5 VFD+3.3V
 - 6 GND
 - 7 IR
 - 8 AT+3.3V
- CP3005
A2001WR-8A

8pin L=470mm

FROM/TO FM TUNER

- (8) RST
 - (8) SEN
 - (8) SCLK
 - (8) SDIO
- GND
(1;2;3;4;5;6;7;8;9;10)

- VFD_POW VFD POW (10)
- SYS_POW-H SYS POW-H (9;10)
- CD_POWER-H CD POWER-H (9)
- POWER_FAIL POWER FAIL (5;9)
- IP_POW IP POW (9)
- IP_FAULT IP_FAULT (9)

- DOCK_IN_DET DOCK_IN_DET (7)
- IRPFO IRPFO (7)
- IBUSY IBUSY (7)
- IPROD_CTL_RESET IPROD_CTL_RESET (7)
- IPROD_PWR IPROD_PWR (7)
- IPROD_DET_CTL IPROD_DET_CTL (7)
- USB_EN USB EN (7)
- USB_SW USB SW (7)
- AMP1_A AMP RESET (2;5;6;7)
- SDA2 SDA2 (2;5;7)
- SCL2 SCL2 (2;5;7)

- AV_SW3 AV SW3 (2;5;6)
- AMP_DET AMP DET (5)
- HP_DET HP_DET (5)
- EXT_AUDIO_MUTE EXT_AUDIO_MUTE (5)
- AMP_MUTE AMP MUTE (5)
- AMP_ERROR_DET AMP_ERROR_DET (5)
- AMP_SLEEPN AMP_SLEEPN (5)
- AMP_RESET AMP RESET (2;5;6;7)
- HP_MUTE HP MUTE (5)
- MC MC (5)
- MD MD (5)
- ML ML (5)
- USB_POW USB POW (5)
- USB_FAULT USB_FAULT (5)
- SDA2 SDA2 (2;5;7)
- SCL2 SCL2 (2;5;7)

from/to MPRG

- CD_RESET CD_RESET (3)
- CD_SCL CD_SCL (3)
- CD_SDA CD_SDA (3)
- MCU_IRQ_CD MCU_IRQ_CD (3)
- REMOCOM REMOCOM (3)

- AV_SW1 AV SW1 (6;7)
- AV_SW2 AV SW2 (6)
- AV_SW3 AV SW3 (2;5;6)

KEY A : PLAY STOP SKIP+ SKIP-
KEY B : POWER INPUT VOL- VOL+
KEY C : OPEN/CLOSE

A2001WR-5A

CP3006

KEY A 1

KEY B 2

GND 3

KEY C 4

GND 5

Spin --> 2pin/3pin
L=200mm / 180mm

for DEBUG

04_6232_110_103_800+

CP3003

- VCC 1
- SCLK 2
- RxD 3
- TxD 4
- BUSY 5
- EPROM 6
- CE 7
- CNVSS 8
- Reset/ 9
- DSS 10

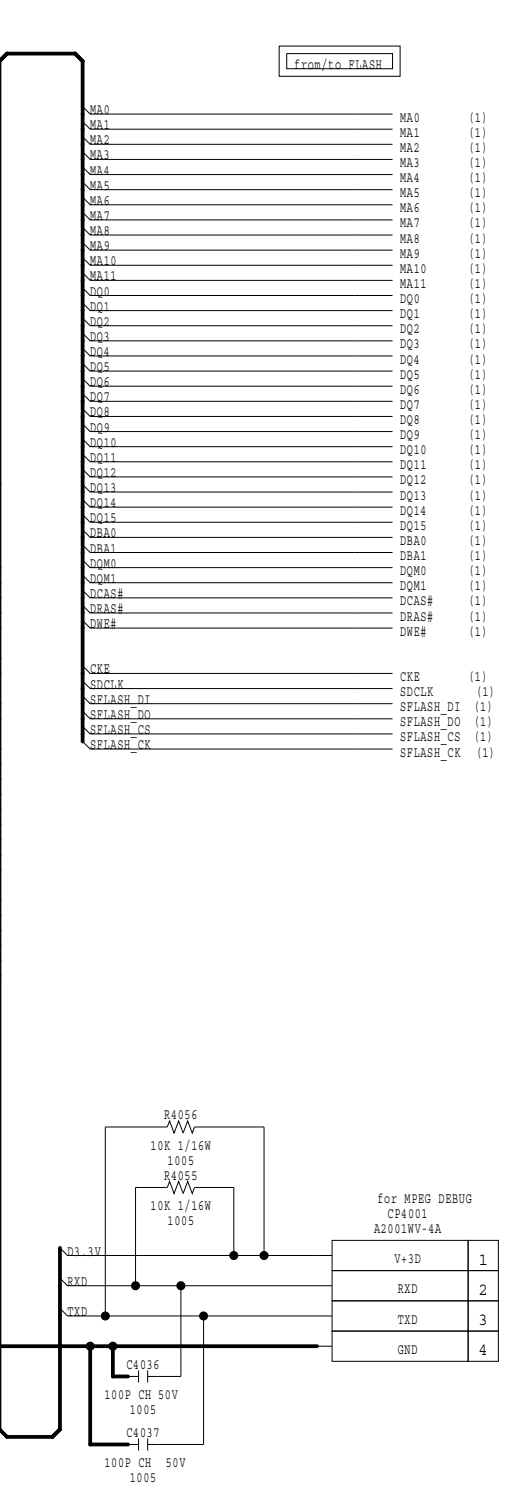
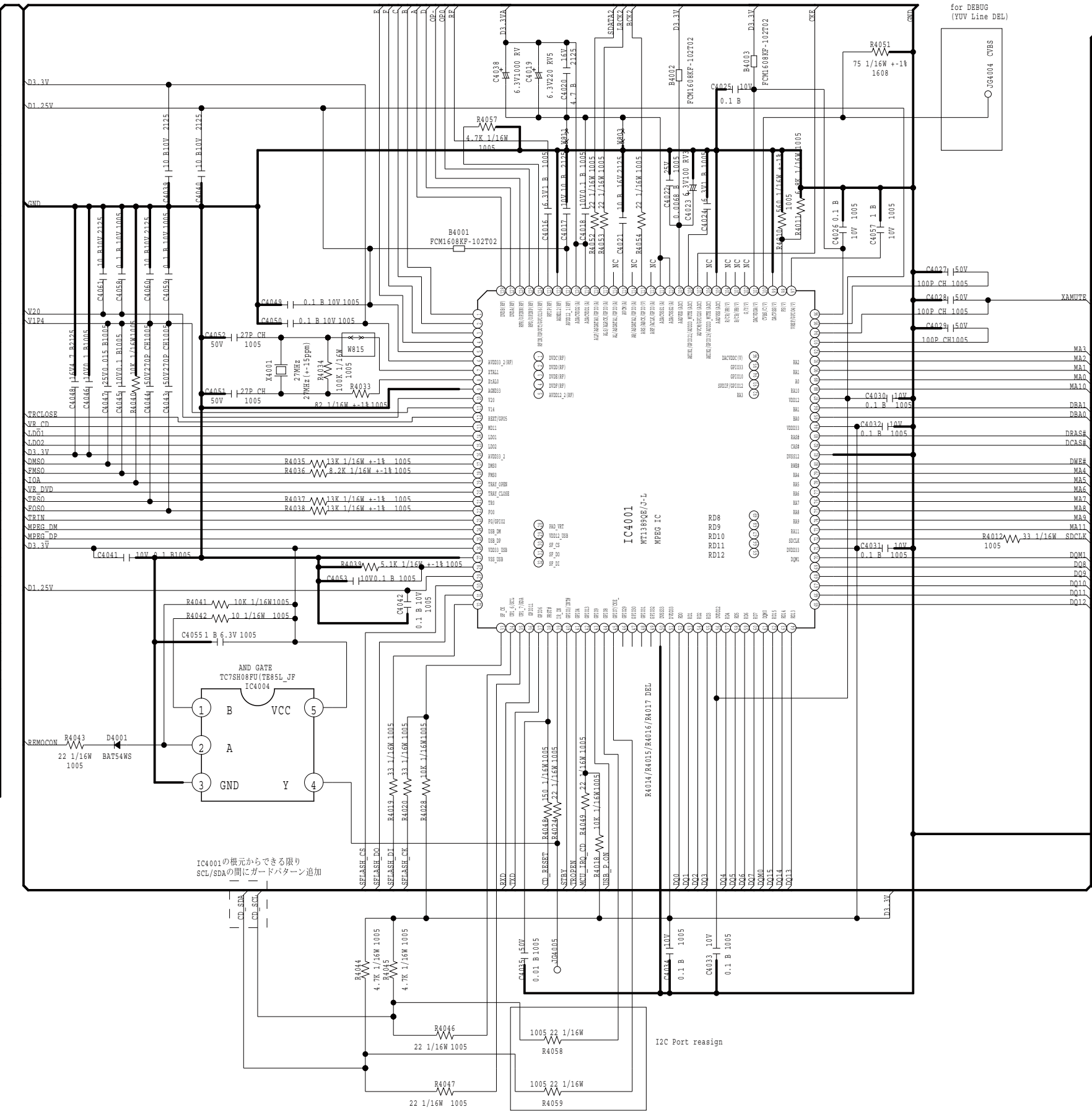
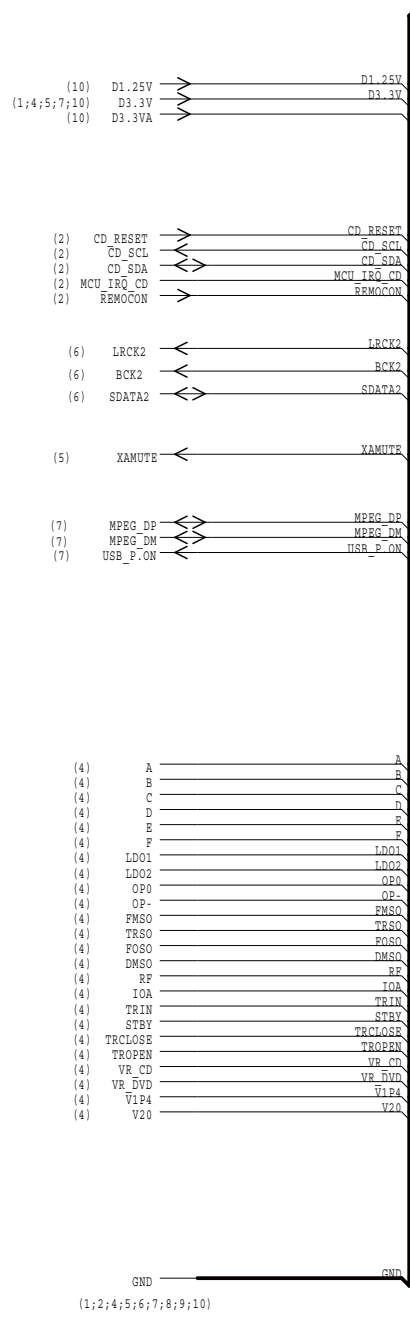
SCHEMATIC DIAGRAMS - 3

MPEG (MAIN)

MPEG SCHEMATIC DIAGRAM

(MAIN PCB)

1
2
3
4
5



IC4001の根元からできる限り SCL/SDAの間にガードパターン追加

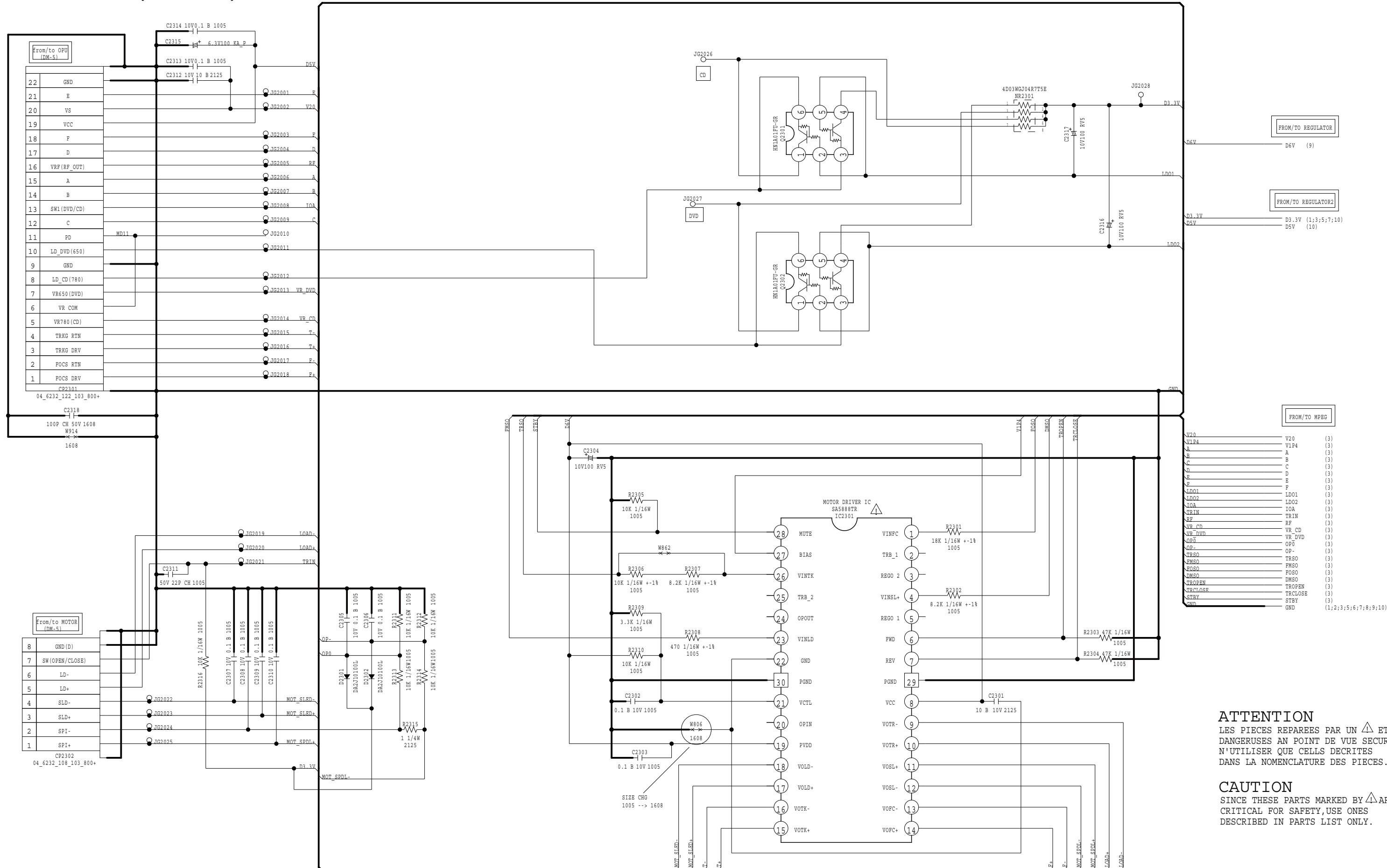
I2C Port reassign

SCHEMATIC DIAGRAMS - 4

MOTOR DRIVER (MAIN PCB)

MOTOR DRIVER SCHEMATIC DIAGRAM (MAIN PCB)

1
2
3
4
5



From/to OPN (DM-5)

22	GND
21	E
20	VS
19	VCC
18	F
17	D
16	VRP (RF_OUT)
15	A
14	B
13	SW1 (DVD/CD)
12	C
11	PD
10	LD_DVD (650)
9	GND
8	LD_CD (780)
7	VR650 (DVD)
6	VR_COM
5	VR780 (CD)
4	TRKG RTN
3	TRKG DRV
2	FOCS RTN
1	FOCS DRV

CP2301
04_6232_122_103_800+

C2318
100P CH 50V 1608
W914
1608

From/to MOTOR (DM-5)

8	GND (D)
7	SW (OPEN/CLOSE)
6	LD-
5	LD+
4	SLD-
3	SLD+
2	SPI-
1	SPI+

CP2302
04_6232_108_103_800+

FROM/TO REGULATOR

FROM/TO REGULATOR2

FROM/TO MPBG

V20	V20	(3)
V1P4	V1P4	(3)
A	A	(3)
B	B	(3)
C	C	(3)
D	D	(3)
E	E	(3)
F	F	(3)
LDO1	LDO1	(3)
LDO2	LDO2	(3)
IOA	IOA	(3)
TRIN	TRIN	(3)
RF	RF	(3)
VR_CD	VR_CD	(3)
VR_DVD	VR_DVD	(3)
OPN	OPN	(3)
OP-	OP-	(3)
TRSO	TRSO	(3)
FMSO	FMSO	(3)
FOSO	FOSO	(3)
DMSO	DMSO	(3)
TROPEN	TROPEN	(3)
TRCLOSE	TRCLOSE	(3)
STBY	STBY	(3)
GND	GND	(1;2;3;5;6;7;8;9;10)

ATTENTION
LES PIECES REPARÉES PAR UN Δ ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION
SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

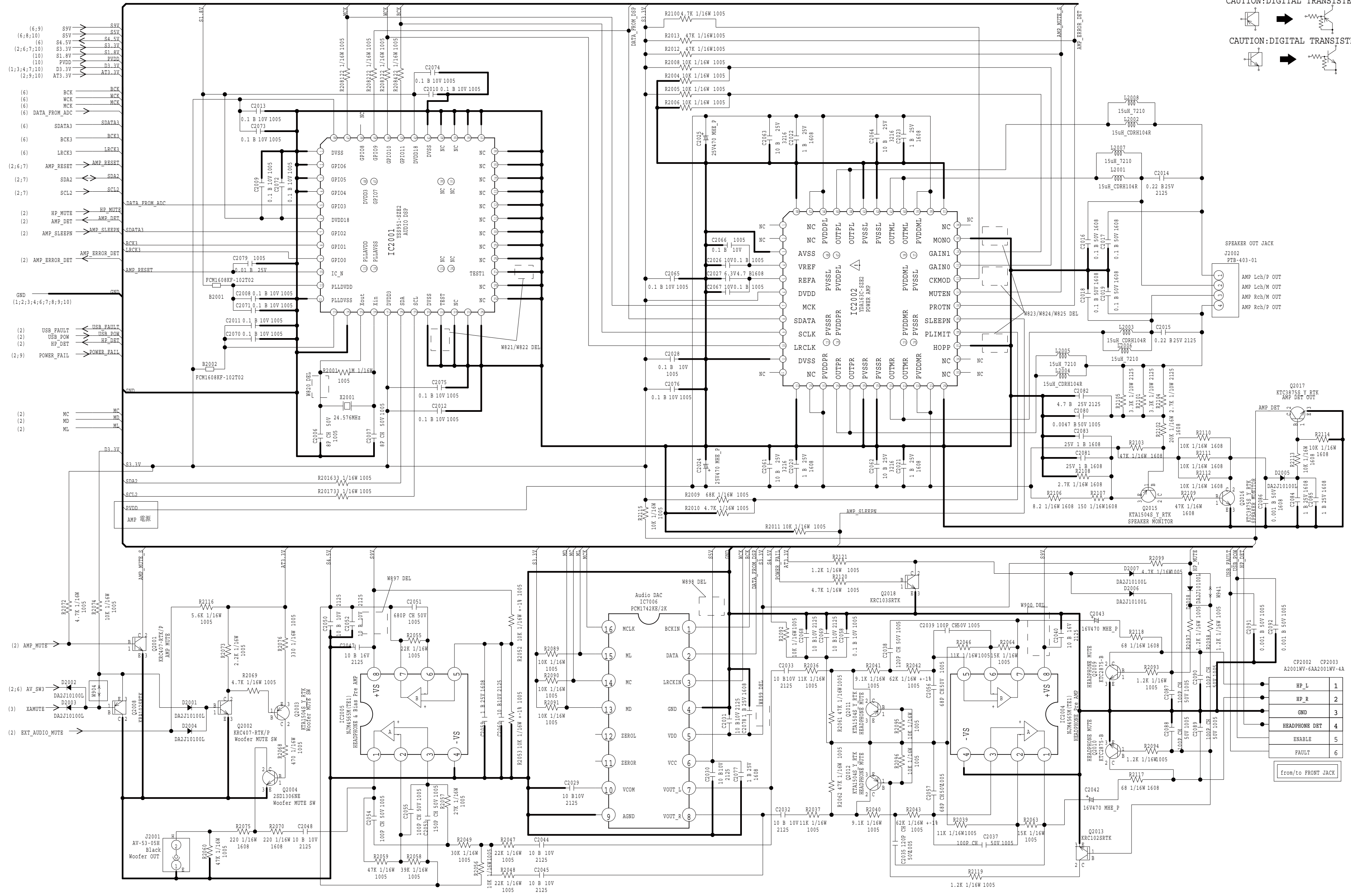
SCHEMATIC DIAGRAMS - 5
AUDIO DSP / AMP. (MAIN PCB)

ATTENTION: LES PIÈCES RÉPARÉES PAR UN Δ ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CBELLS DECRITES DANS LA NOMENCLATURE DES PIÈCES.
CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

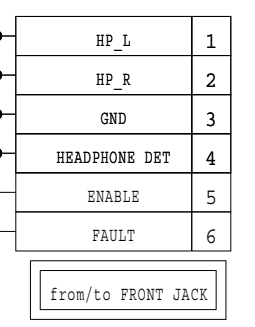
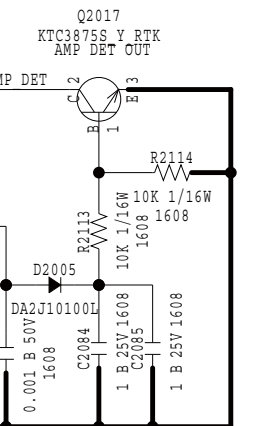
AUDIO DSP/AMP SCHEMATIC DIAGRAM
(MAIN PCB)

1
2
3
4
5
6
7
8

CAUTION: DIGITAL TRANSISTER
CAUTION: DIGITAL TRANSISTER



SPEAKER OUT JACK
J2002
PTB-403-01
AMP Lch/p OUT
AMP Lch/M OUT
AMP Rch/M OUT
AMP Rch/p OUT

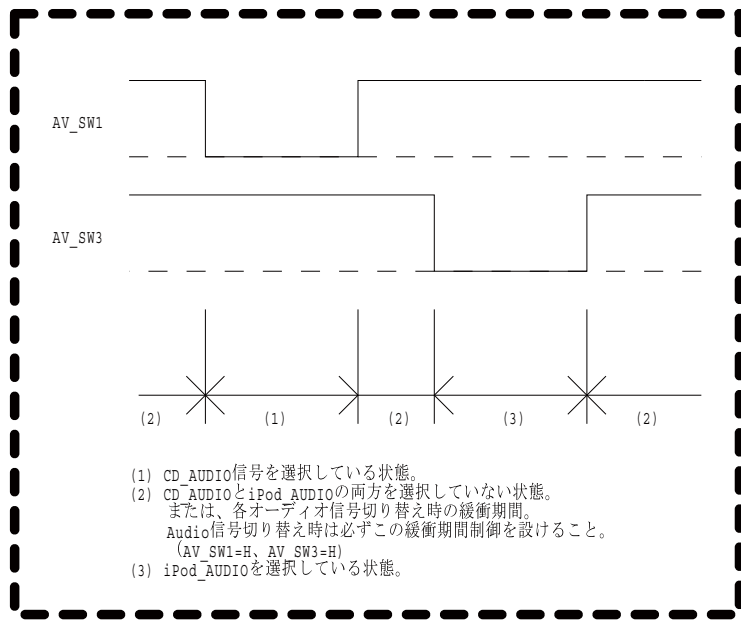


HP_L	1
HP_R	2
GND	3
HEADPHONE DET	4
ENABLE	5
FAULT	6

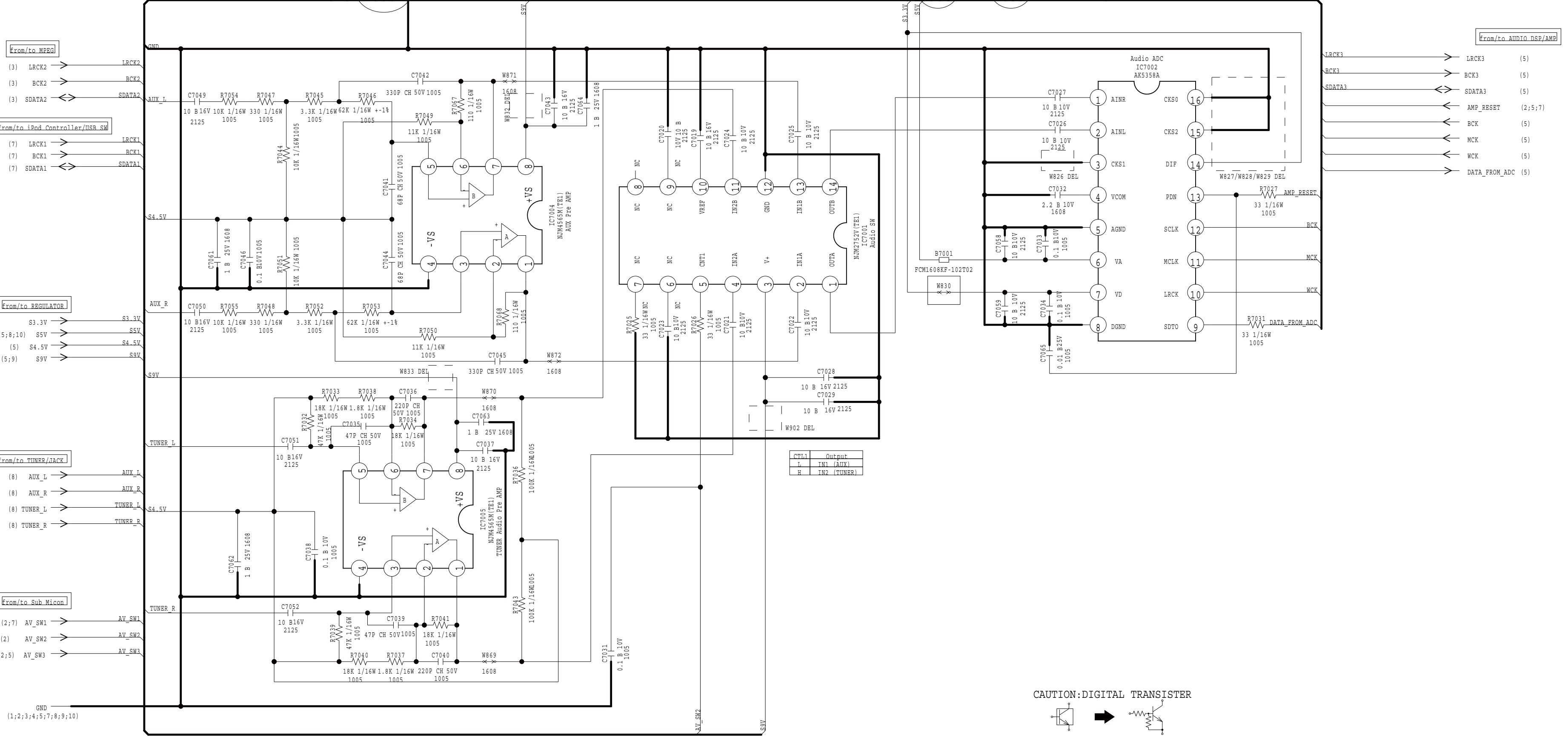
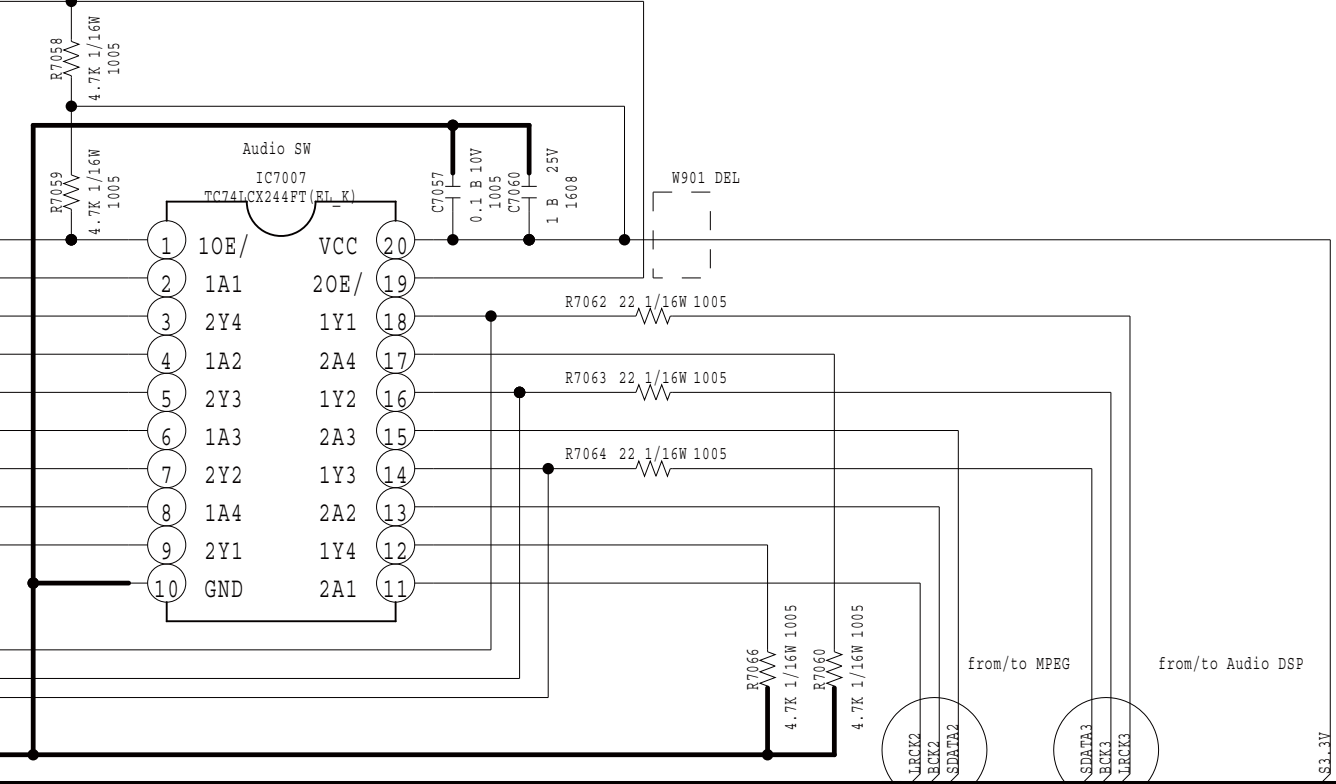
from/to FRONT JACK

SCHMATIC DIAGRAMS - 6
AUDIO SW (MAIN PCB)

AUDIO SW SCHEMATIC DIAGRAM
(MAIN PCB)



AV_SW1	AV_SW3	Function
L	H	Prohibited
L	L	CD AUDIO
H	L	iPod_AUDIO
H	H	not selected



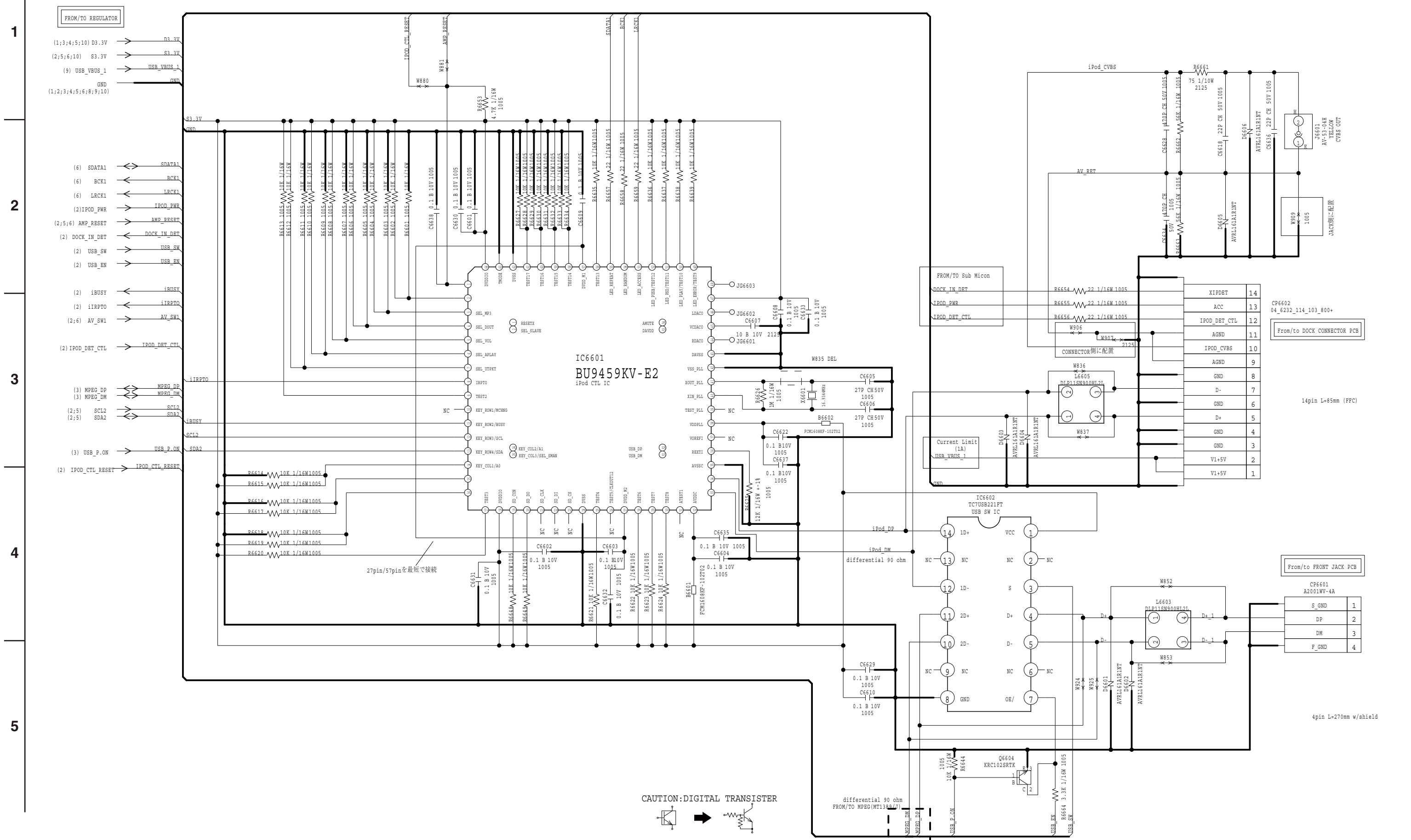
CAUTION: DIGITAL TRANSISTOR

SCHEMATIC DIAGRAMS - 7

iPod Controller / USB SW (MAIN PCB)

iPod Controller/USB SW SCHEMATIC DIAGRAM

(MAIN PCB)



SCHEMATIC DIAGRAMS - 8
FM TUNER / AUX IN (MAIN PCB)

TUNER/JACK SCHEMATIC DIAGRAM

(MAIN PCB)

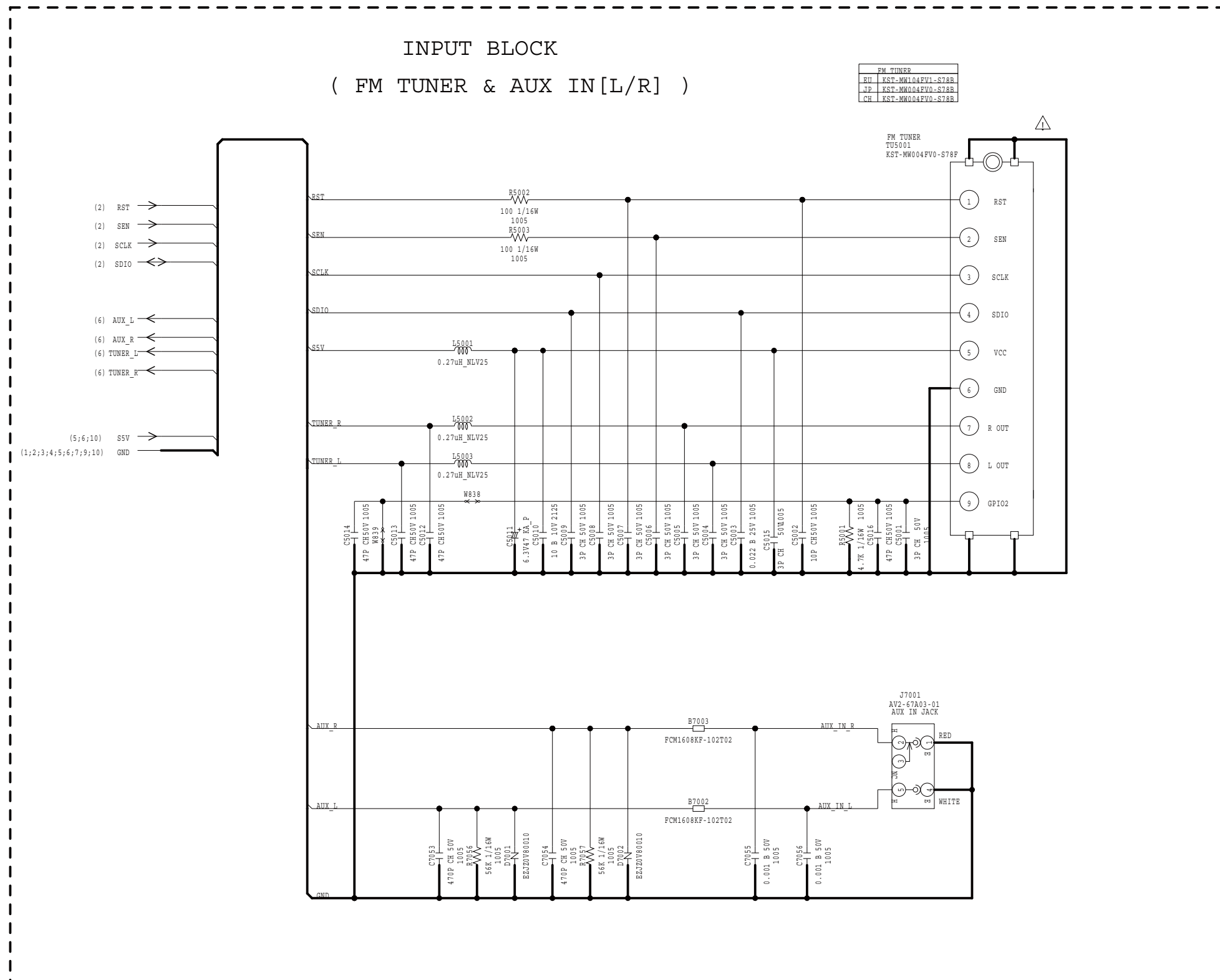
1

2

3

4

5



ATTENTION: LES PIECES REPARÉES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

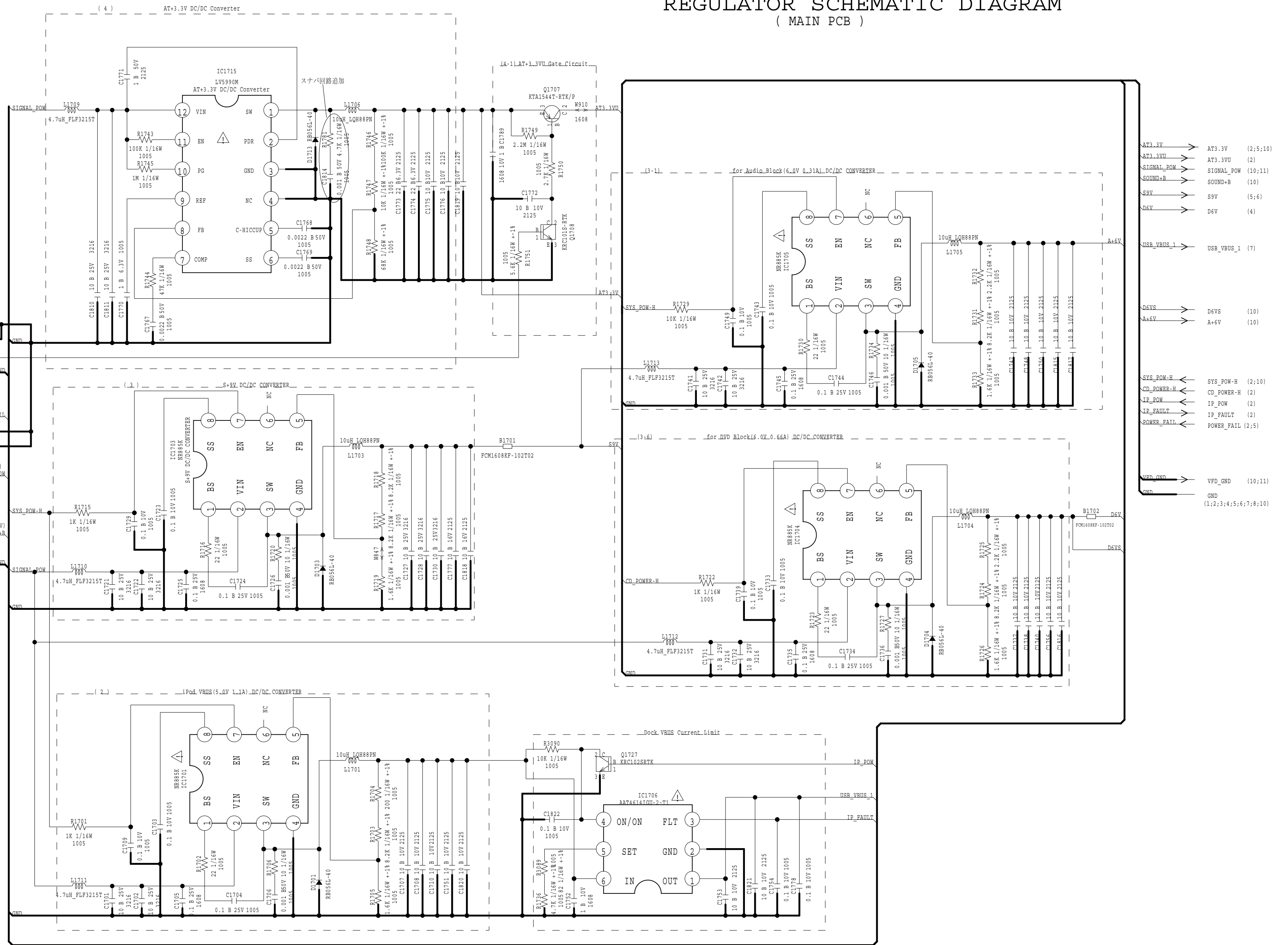
SCHEMATIC DIAGRAMS - 9
REGULATOR (MAIN PCB)

REGULATOR SCHEMATIC DIAGRAM
(MAIN PCB)

FROM/TO POWER PCB

(POWER = 16.5V)

14	SIGNAL_GND
13	SIGNAL_POW
12	SIGNAL_POW
11	POWER_FAIL
10	SIGNAL_GND
9	SIGNAL_GND
8	IPOD_POW
7	IPOD_POW
6	IPOD_GND
5	IPOD_GND
4	SOUND+B
3	SOUND+B
2	SOUND_GND
1	SOUND_GND



ATTENTION: LES PIÈCES RÉPARÉES PAR UN \triangle ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY \triangle ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

CAUTION: DIGITAL TRANSISTOR



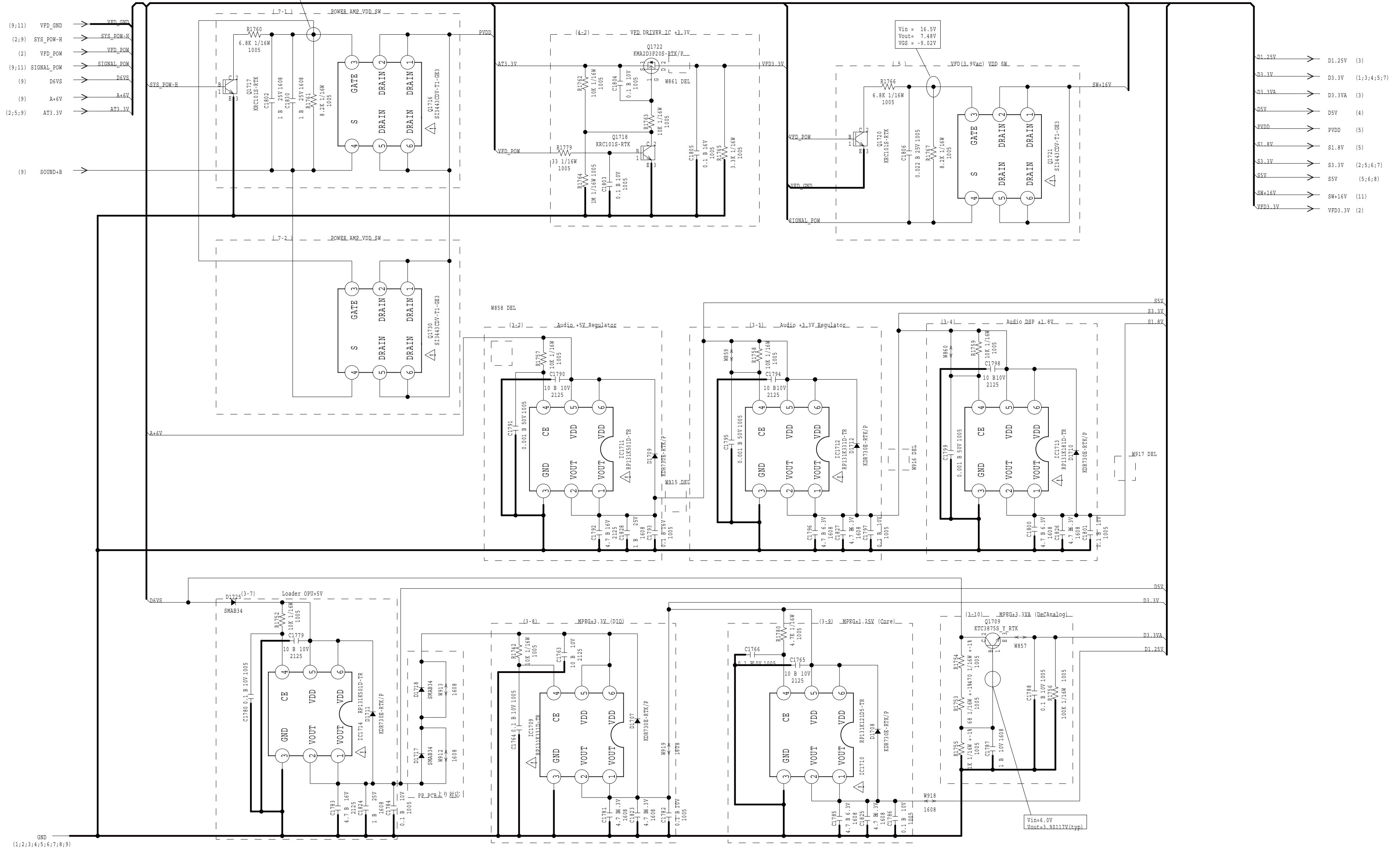
SCHEMATIC DIAGRAMS - 10
REGULATOR2 (MAIN PCB)

REGULATOR2 SCHEMATIC DIAGRAM
(MAIN PCB)

Vin = 16.5V
Vout = 7.48V
VGS = -9.02V

Vin = 16.5V
Vout = 7.48V
VGS = -9.02V

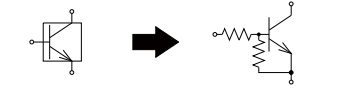
Vin=6.0V
Vout=3.50(117V(typ))



- D1.25V → D1.25V (3)
- D3.3V → D3.3V (1;3;4;5;7)
- D3.3VA → D3.3VA (3)
- D5V → D5V (4)
- PVDD → PVDD (5)
- S1.8V → S1.8V (5)
- S3.3V → S3.3V (2;5;6;7)
- S5V → S5V (5;6;8)
- SW+1.6V → SW+1.6V (11)
- VFD3.3V → VFD3.3V (2)

ATTENTION: LES PIÈCES REPAREES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.



1
2
3
4
5
6
7
8

SCHEMATIC DIAGRAMS - 11
VFD POWER (MAIN PCB)

VFD POWER SCHEMATIC DIAGRAM
 (MAIN PCB)

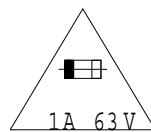
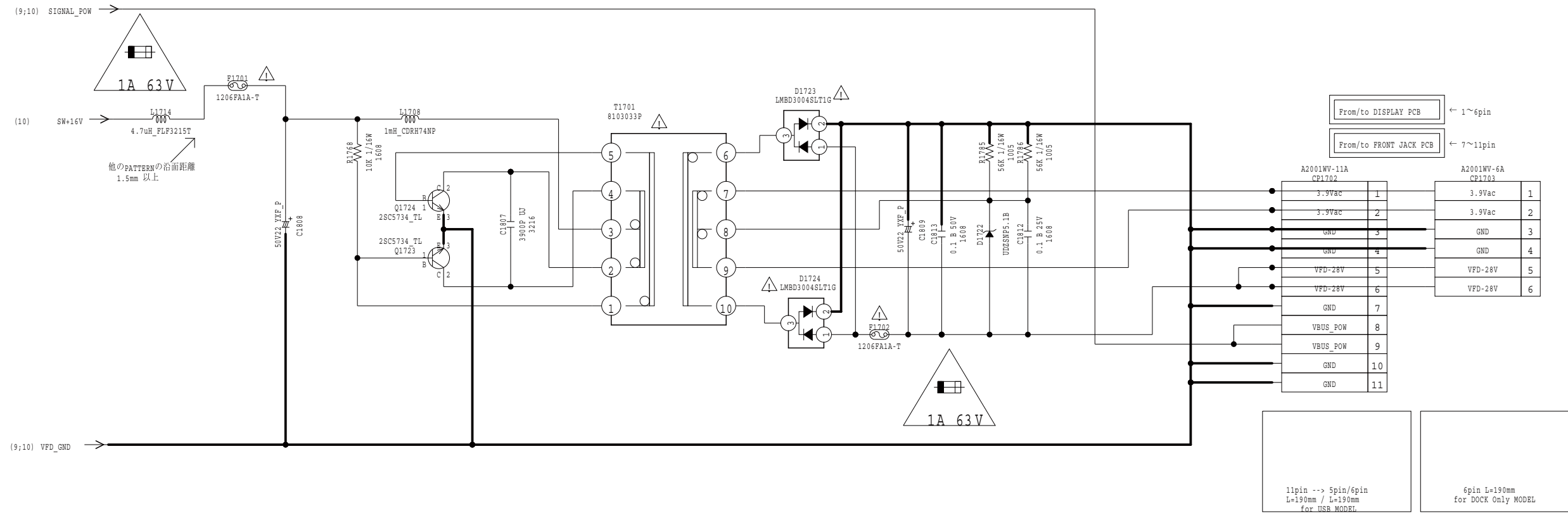
1

2

3

4

5



CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
 REPLACE ONLY WITH THE SAME TYPE FUSE 1A 63V (F1701/F1702)

ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE
 N'UTILISER QUE DES FUSIBLE DE MEME TYPE 1A 63V (F1701/F1702)

ATTENTION: LES PIECES REPARÉES PAR UN ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

SCHEMATIC DIAGRAMS - 12

HEADPHONE JACK / USB CONNECTOR (JACK PCB)

1

1	Signal_GND	FRONT_DP
2	DP	FRONT_DM
3	DM	
4	Field_GND	

1	USB_GND
2	USB_GND
3	SIGNAL_POW
4	SIGNAL_POW
5	USB_GND

6	FAULT
5	ENABLE
4	HEADPHONE_DET
3	HP_GND
2	HP_L
1	HP_R

CP8052	CD8051
EA242901	EA262901

VBUS Current = 2.5A TYPE

CP6654	UA91-04011B100-R
USB CONNECTOR	
GND	4
D+	3
D-	2
VBUS	1

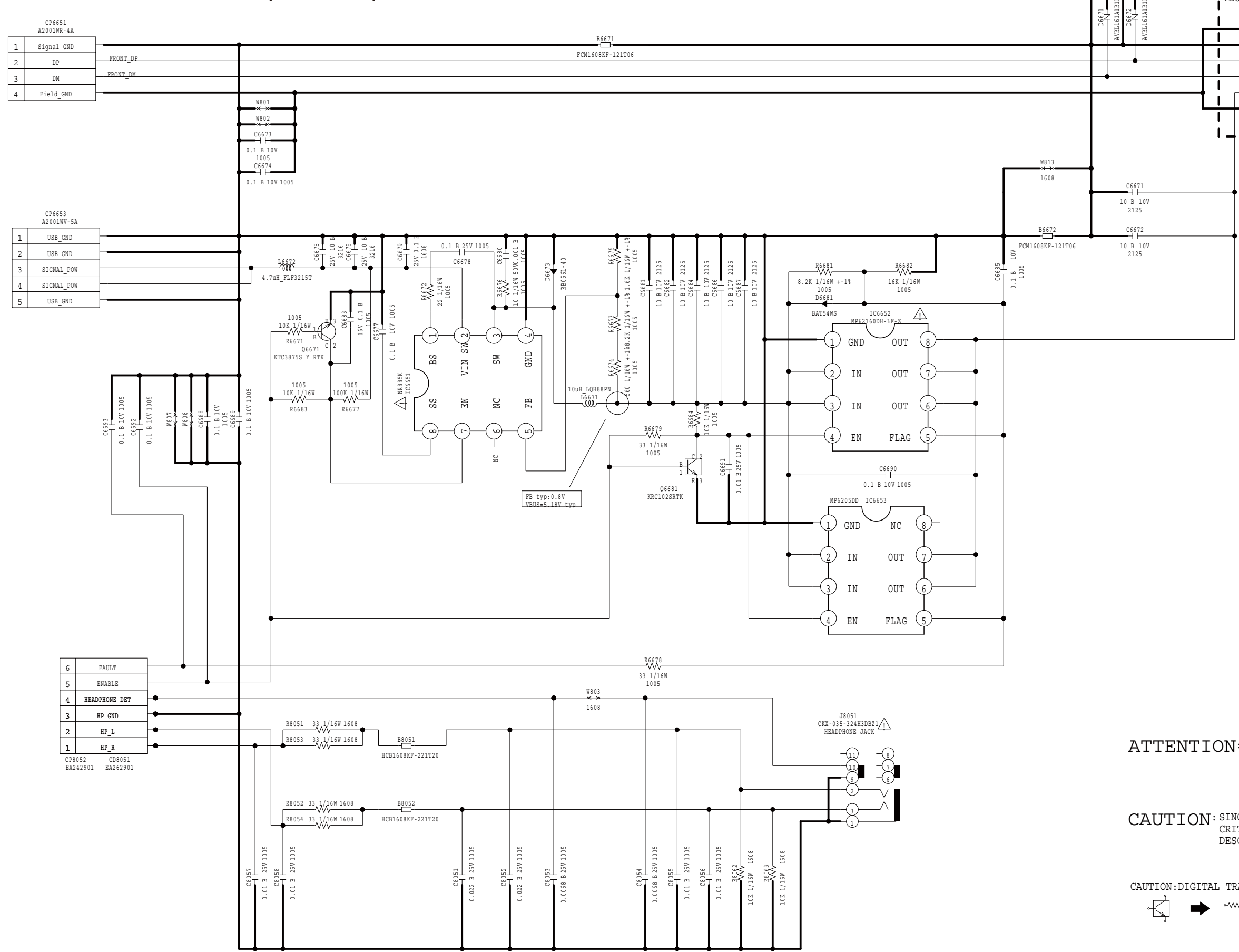
Color is Black

2

3

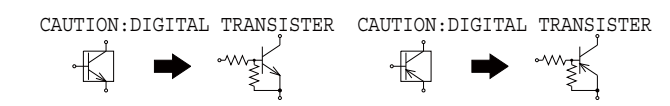
4

5



ATTENTION: LES PIECES REPAREES PAR UN Δ ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

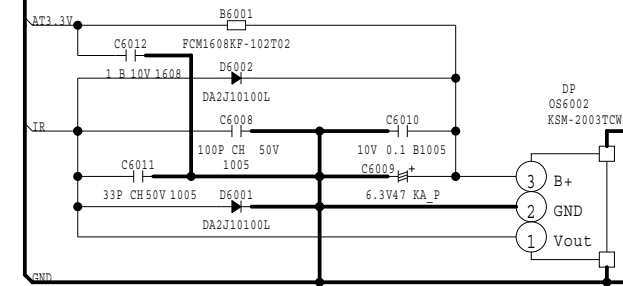
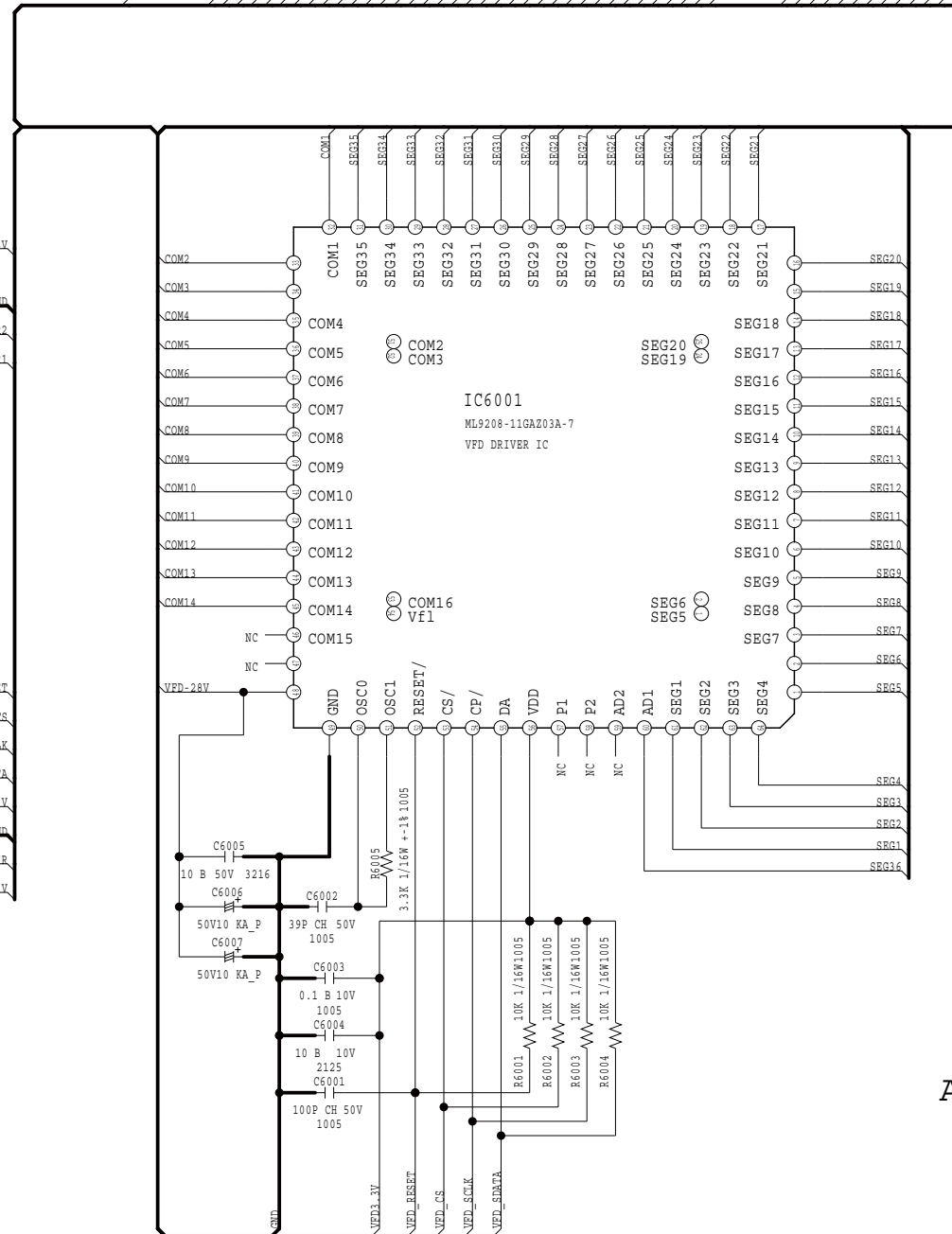
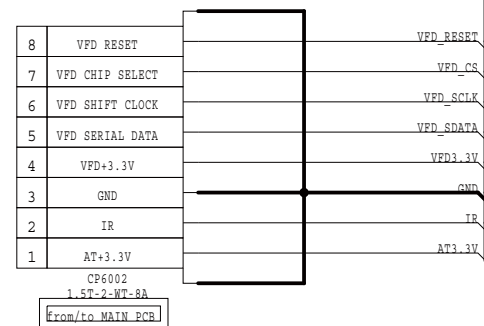
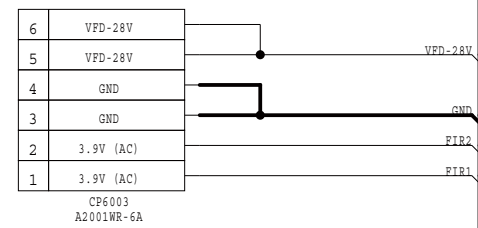
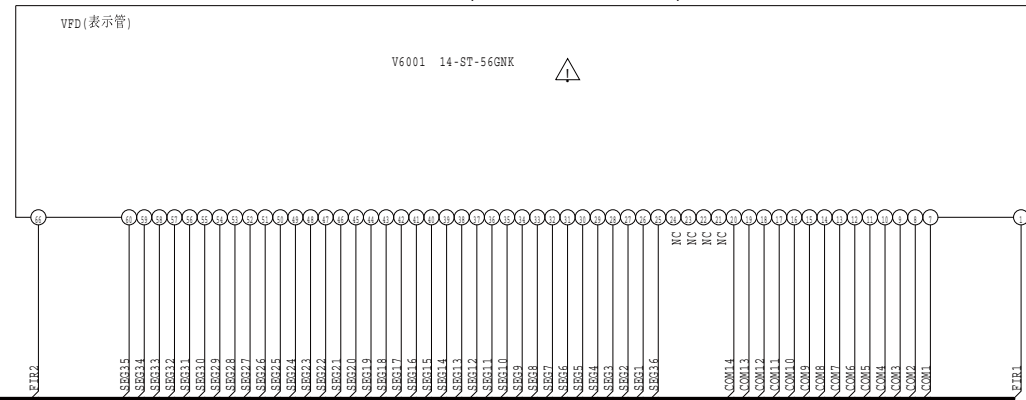
CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.



SCHEMATIC DIAGRAMS - 13
DISPLAY (DISPLAY PCB)

DISPLAY SCHEMATIC DIAGRAM

(DISPLAY PCB)

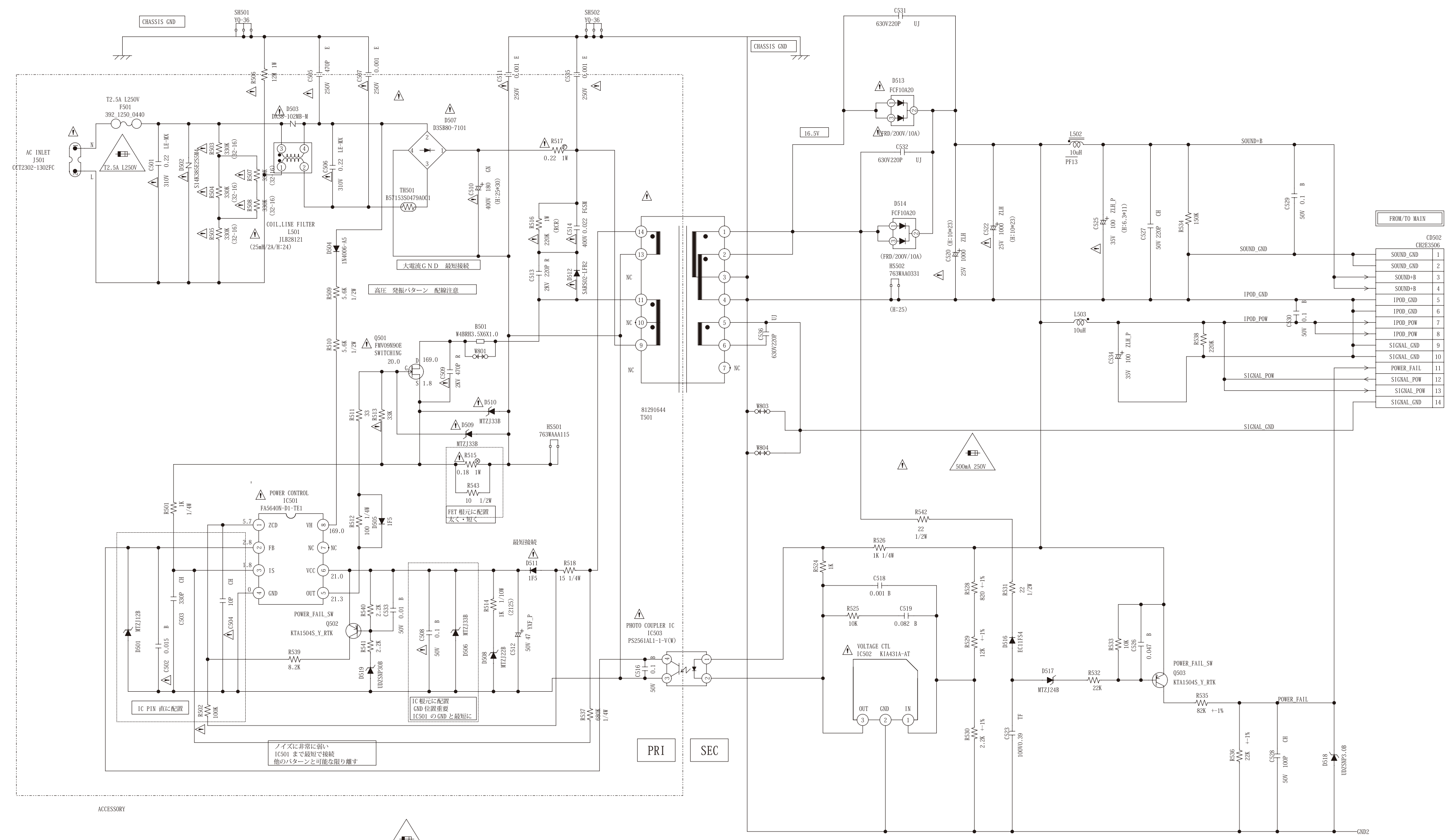


ATTENTION: LES PIECES REPAREES PAR UN \triangle ETANT DANGERUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: SINCE THESE PARTS MARKED BY \triangle ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

A B C D E F G H I J K
SCHEMATIC DIAGRAMS - 14
POWER (POWER PCB)

POWER SCHEMATIC DIAGRAM
(POWER PCB)



CAUTION :FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE

ATTENTION :POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE
N'UTILISER QUE DES FUSIBLE DE MEME TYPE

CAUTION : F501 IS MANUFACTURED
BY LITTLEFUSE INC.CO.,LTD TYPE 392

CAUTION :SINCE THESE PARTS MARKED WITH
CRITICAL FOR SAFETY,USE ONES
DESCRIBED IN PARTS LIST ONLY

ATTENTION :LES PIECES REPARÉES PAR UN
DANGEREUSES AN POINT DE VUE SECURITE
N'UTILISER QUE CELLS DECRITES
DANS LA NOMENCLATURE DES PIECES

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE EACH PART WAS
MEASURED WITH THE DIGITAL TESTER
DURING PLAYBACK.

1
2
3
4
5
6
7
8

SCHEMATIC DIAGRAMS - 15
OPEN/CLOSE SW. / OPEARATION SW. (OPERATION PCB)

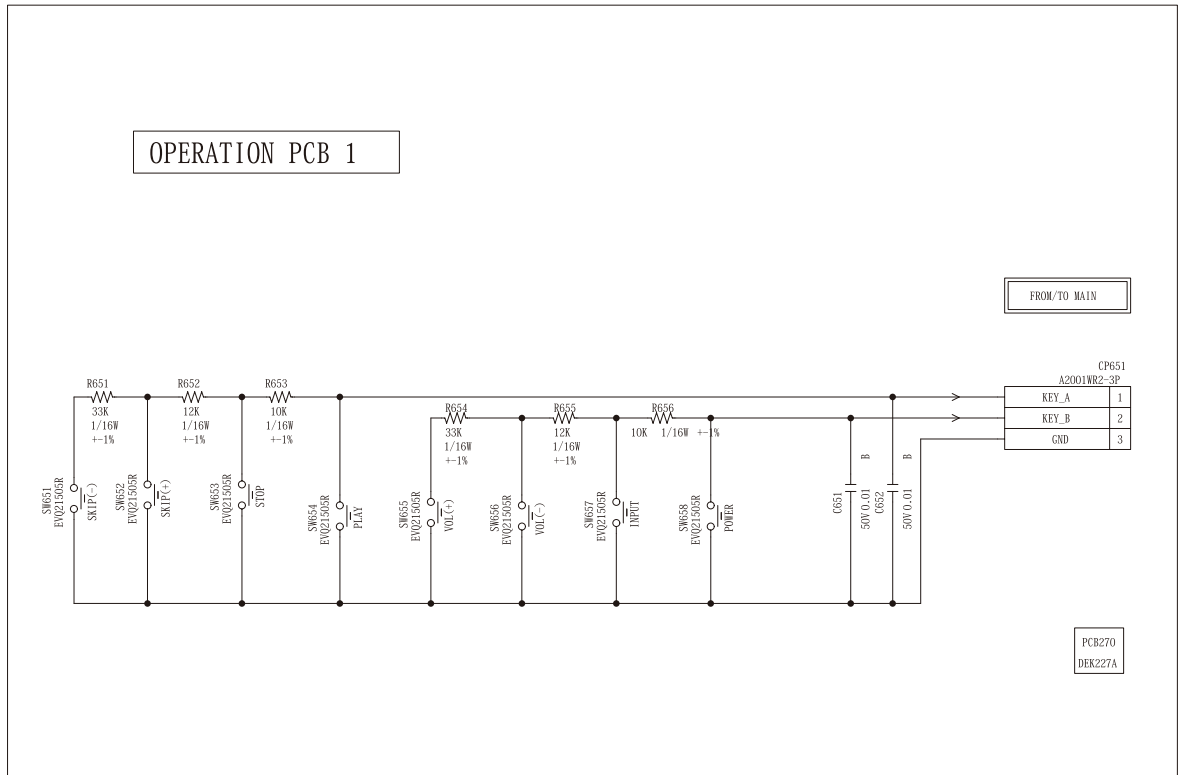
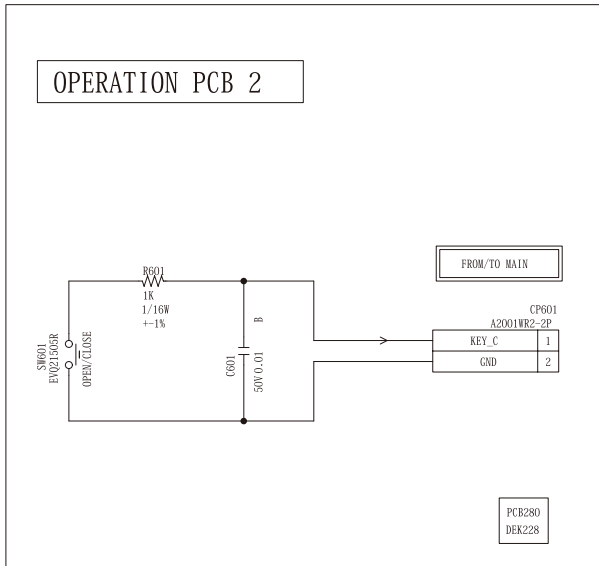
OPERATION/USB SCHEMATIC DIAGRAM
 (OPERATION PCB)

1

2

3

4



SCHEMATIC DIAGRAMS - 16

DOCK CONNECTOR (DOCK PCB)

1

2

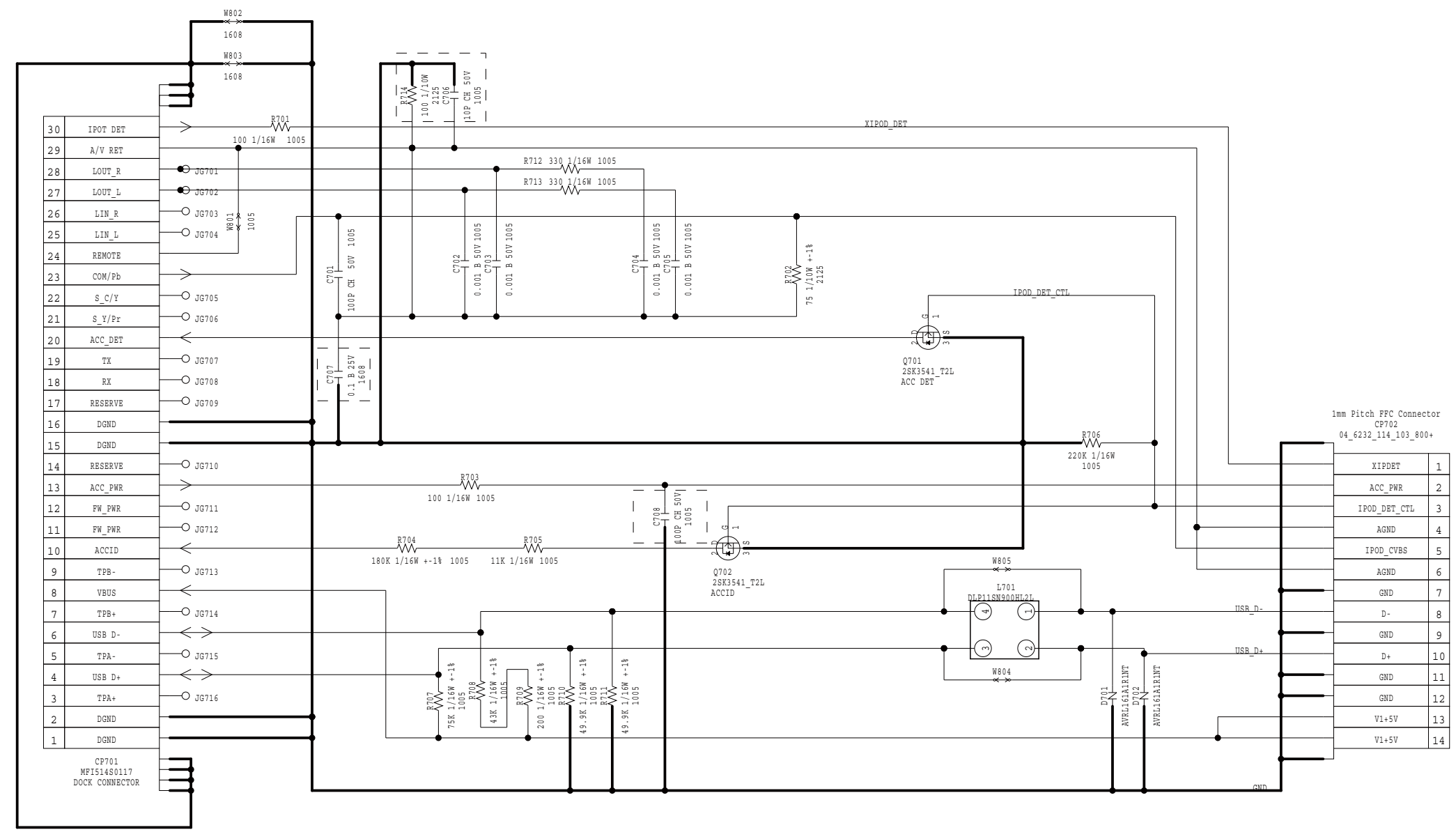
3

4

5

DOCK CONNECTOR ADAPTER SCHEMATIC DIAGRAM

(DOCK PCB)



SCHEMATIC DIAGRAMS - 1

SDRAM SECTION (MAIN PCB)

SDRAM SCHEMATIC DIAGRAM

(MAIN PCB)

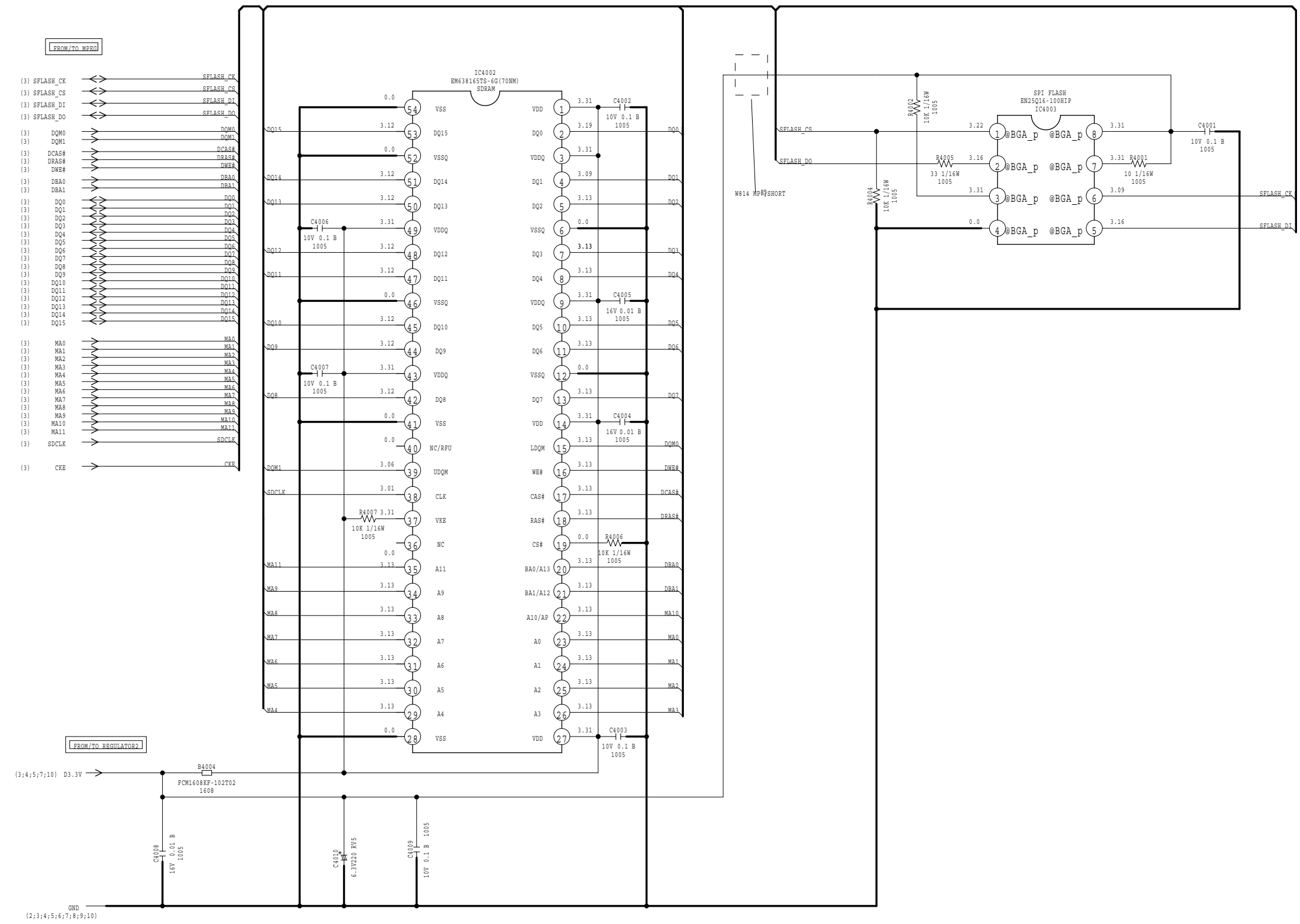
1

2

3

4

5



SCHEMATIC DIAGRAMS - 2

SUB MICON (MAIN PCB)

Sub Micon SCHEMATIC DIAGRAM

(MAIN PCB)

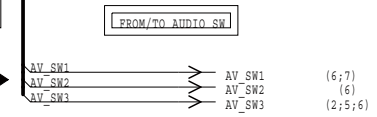
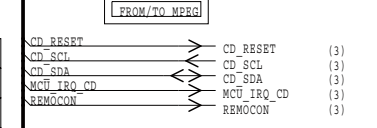
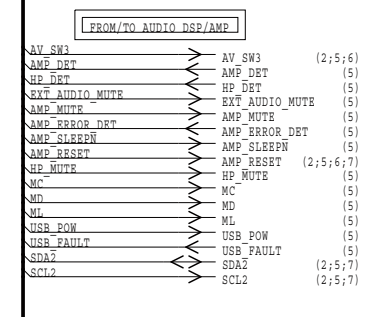
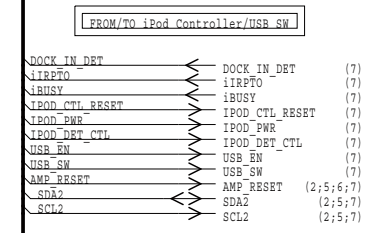
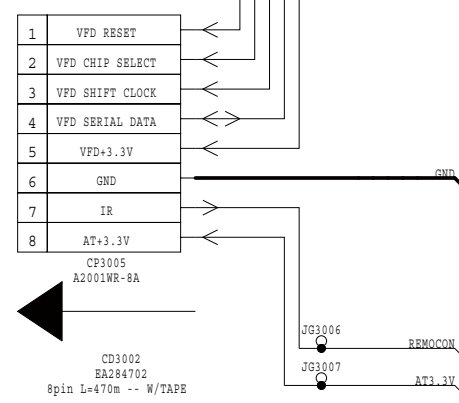
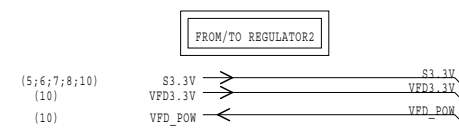
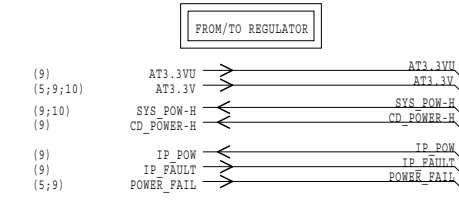
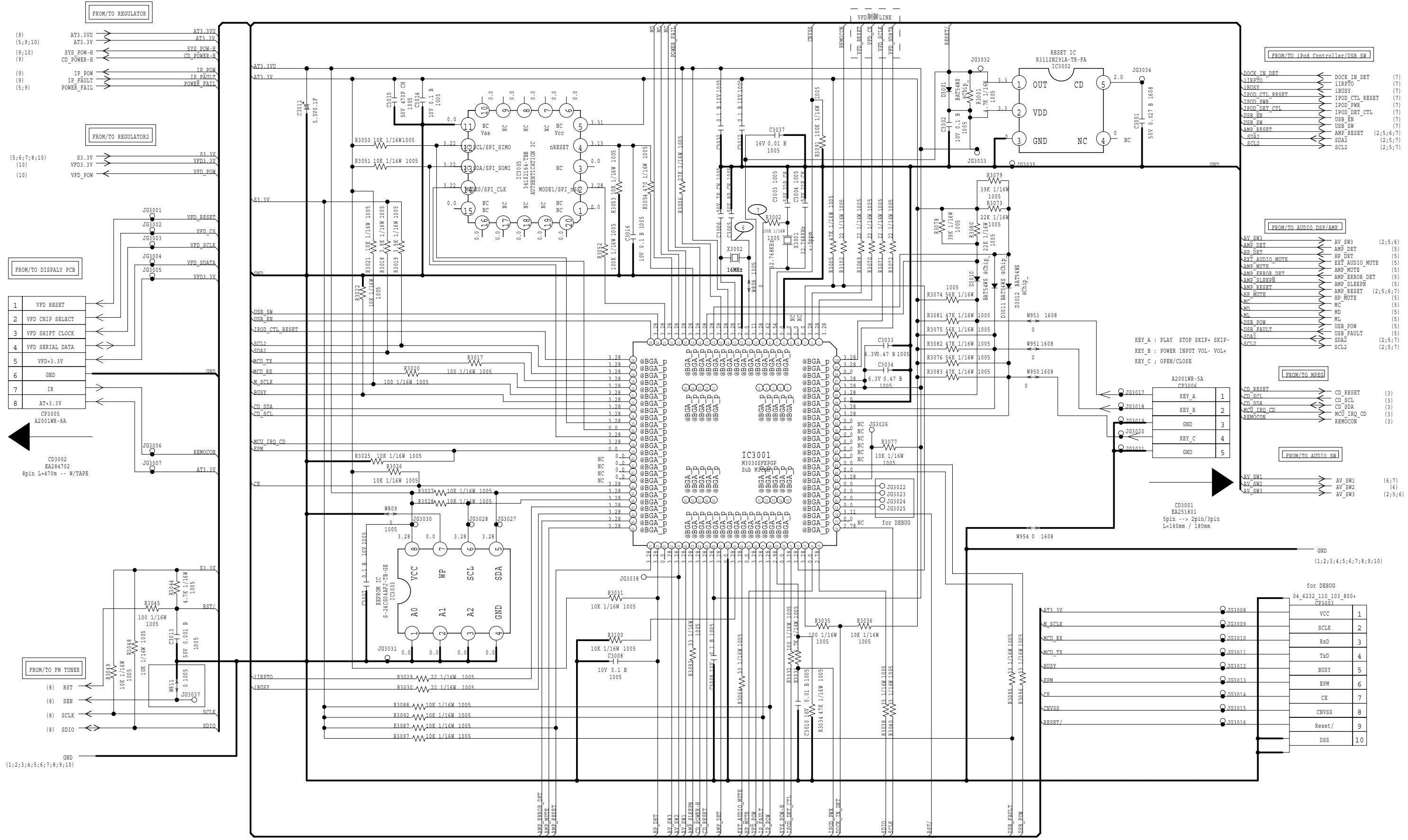
1

2

3

4

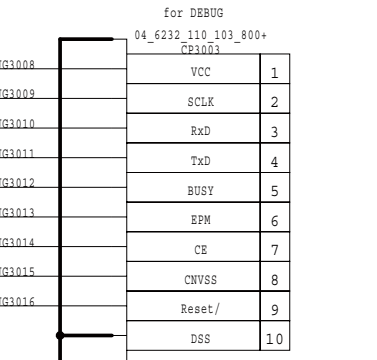
5



KEY_A : PLAY STOP SKIP+ SKIP-
 KEY_B : POWER INPUT VOL- VOL+
 KEY_C : OPEN/CLOSE

CD3001
 EA251801
 5pin --> 2pin/3pin
 L=180mm / 180mm

GND
 (1;2;3;4;5;6;7;8;9;10)



SCHEMATIC DIAGRAMS - 3

MPEG (MAIN)

MPEG SCHEMATIC DIAGRAM

(MAIN PCB)

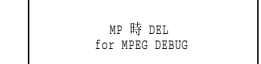
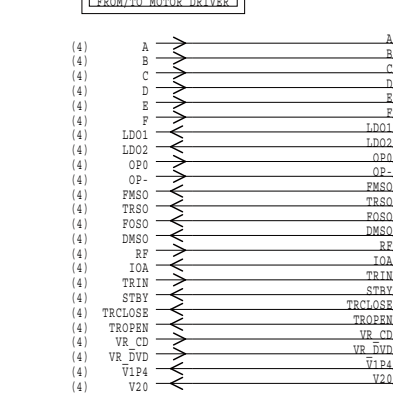
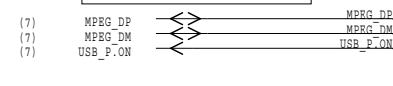
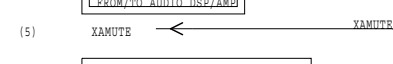
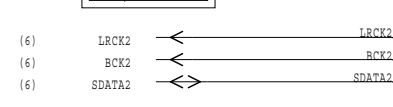
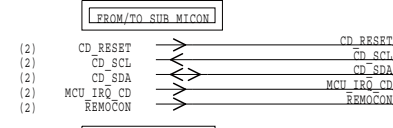
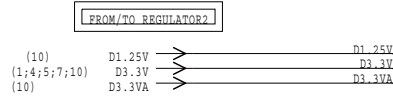
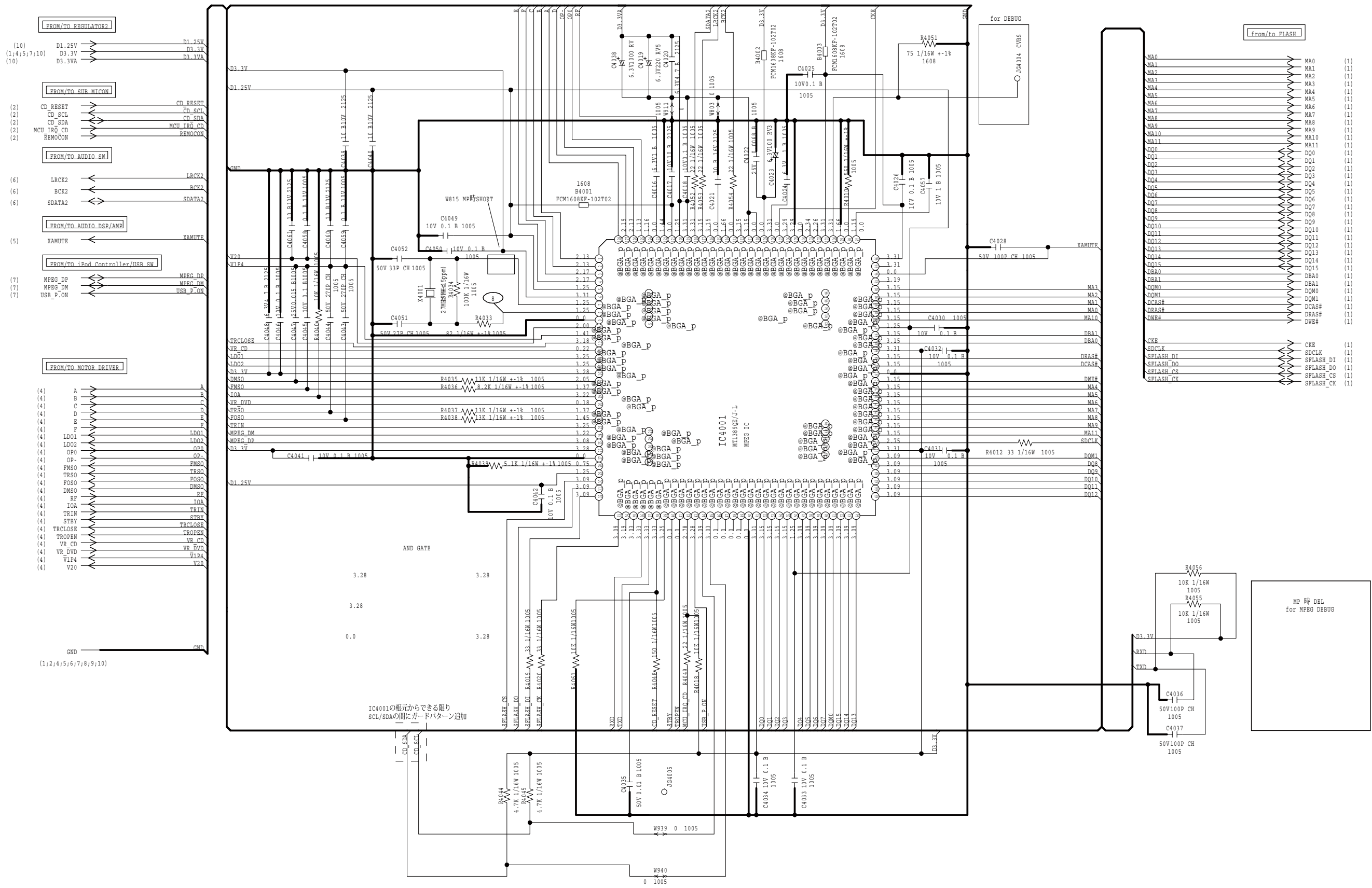
1

2

3

4

5



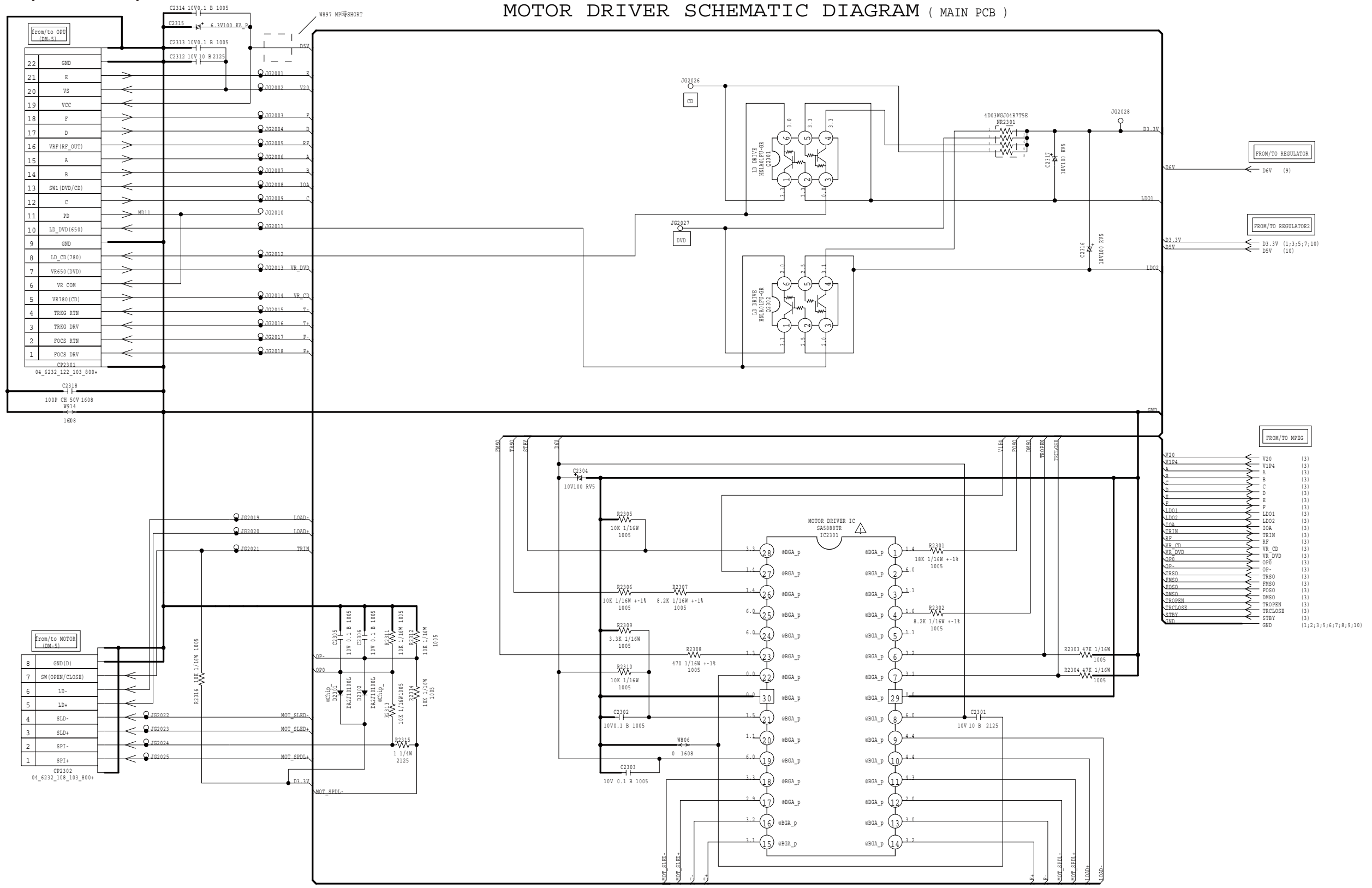
IC4001の根元からできる限り
 SCL/SDAの間にガードパターン追加

(1;2;4;5;6;7;8;9;10)

SCHEMATIC DIAGRAMS - 4 MOTOR DRIVER (MAIN PCB)

MOTOR DRIVER SCHEMATIC DIAGRAM (MAIN PCB)

1
2
3
4
5



ATTENTION - LES PIÈCES RÉPARÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

SCHEMATIC DIAGRAMS - 5
AUDIO DSP / AMP. (MAIN PCB)

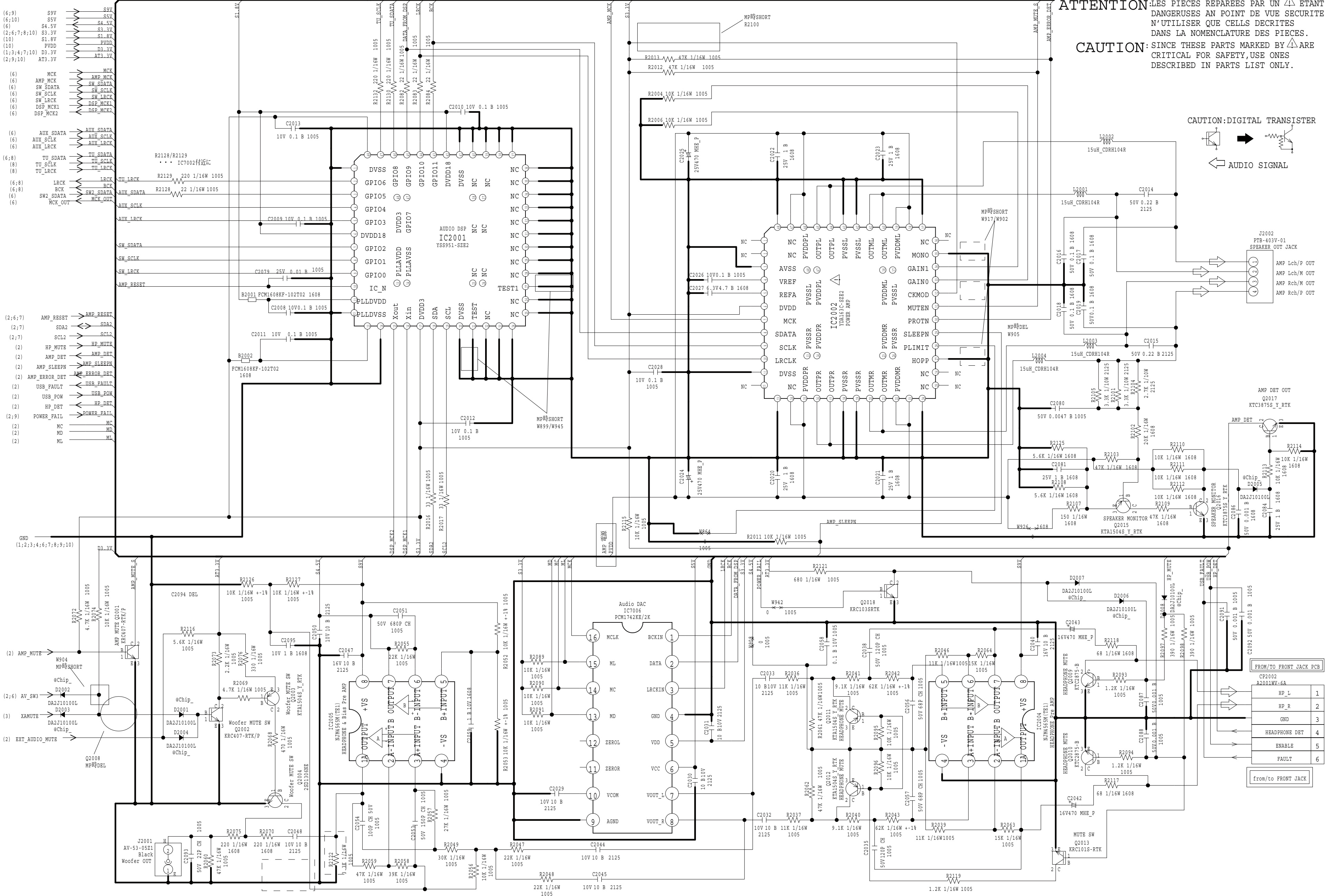
AUDIO DSP/AMP SCHEMATIC DIAGRAM(MAIN PCB)

11/08/24

ATTENTION: LES PIECES REPARÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.
CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

CAUTION: DIGITAL TRANSISTER
AUDIO SIGNAL

1
2
3
4
5
6
7
8



FROM/TO FRONT JACK PCB

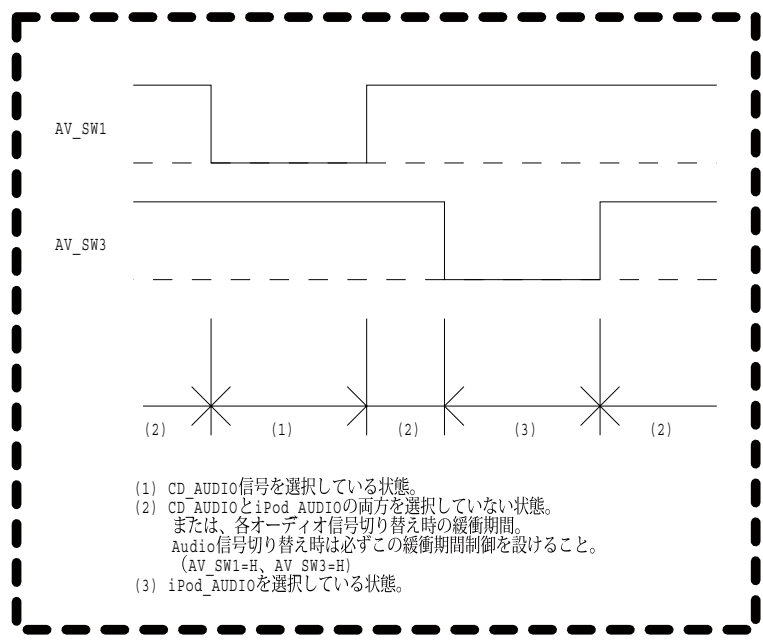
CP2002	A2001MV-6A	HP_L	1
		HP_R	2
		GND	3
		HEADPHONE DET	4
		ENABLE	5
		FAULT	6

from/to FRONT JACK

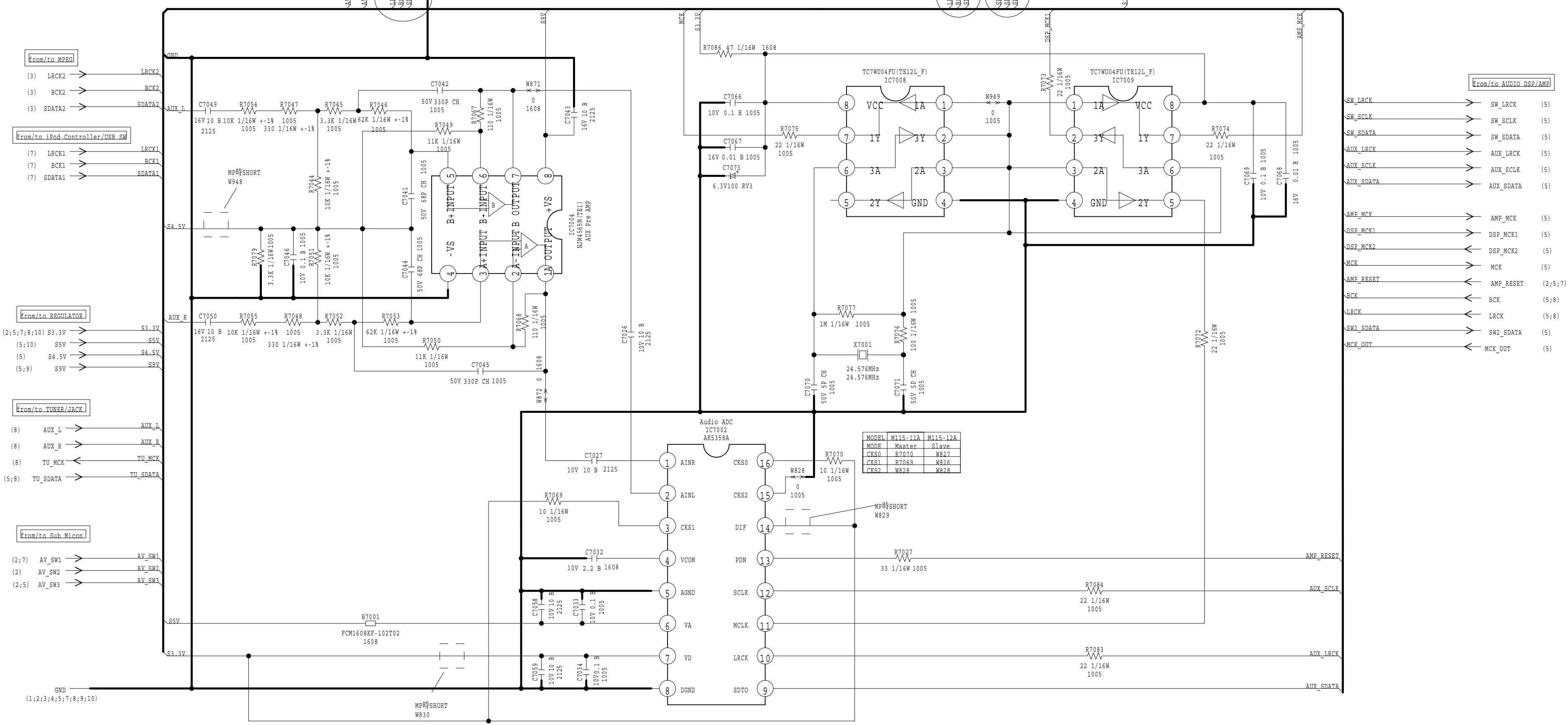
SCHEMATIC DIAGRAMS - 6 AUDIO SW (MAIN PCB)

AUDIO SW SCHEMATIC DIAGRAM (MAIN PCB)

1
2
3
4
5
6
7
8



AV_SW1	AV_SW3	Function
H	H	Prohibited
H	L	CD_AUDIO
L	H	iPod_AUDIO
L	L	not selected

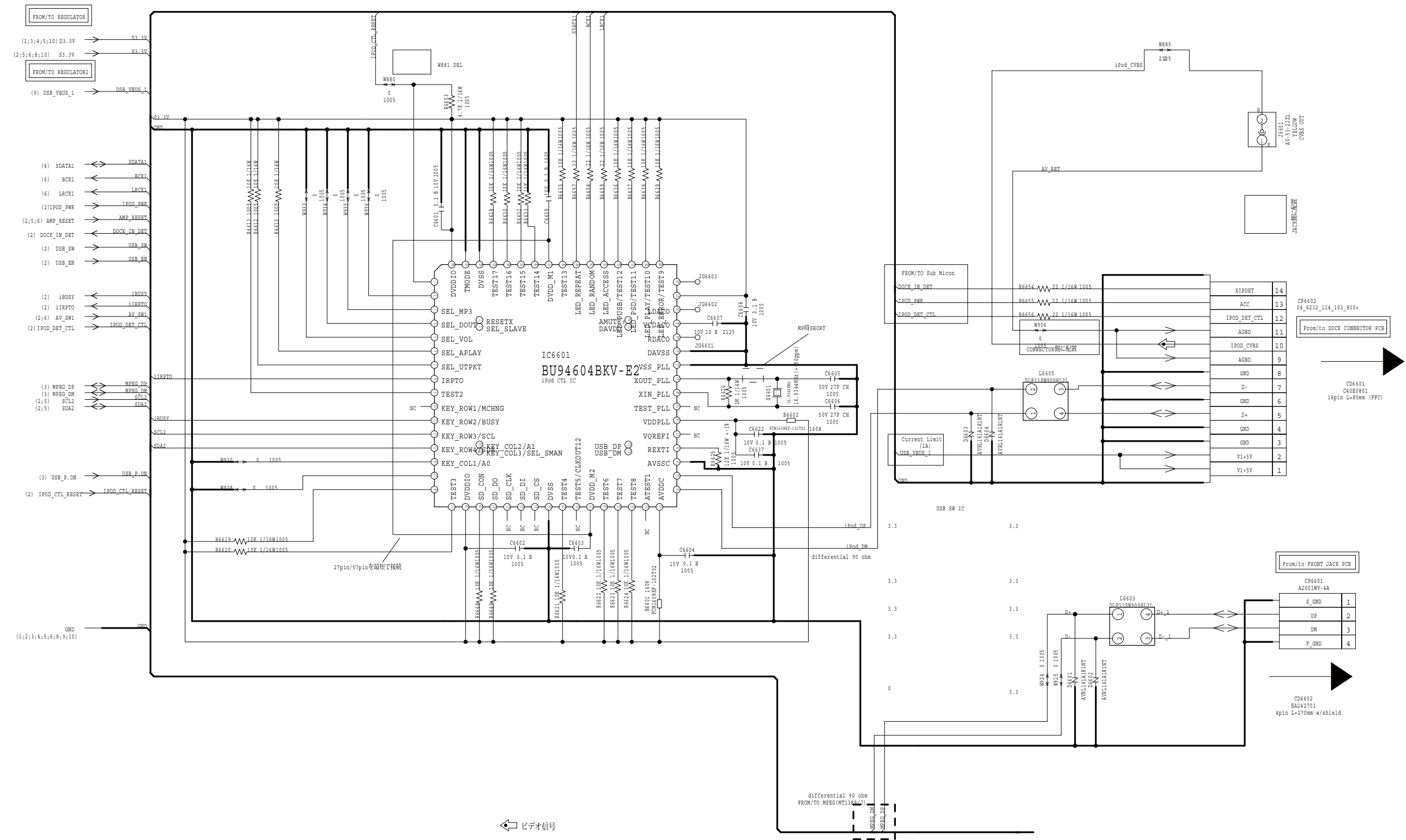


SCHEMATIC DIAGRAMS - 7

iPod Controller / USB SW (MAIN PCB)

iPod Controller/USB SW SCHEMATIC DIAGRAM (MAIN PCB)

1
2
3
4
5



SCHEMATIC DIAGRAMS - 8

FM TUNER / AUX IN (MAIN PCB)

TUNER/JACK SCHEMATIC DIAGRAM

(MAIN PCB)
(DAB, FM/AM TUNER & AUX IN[L/R])

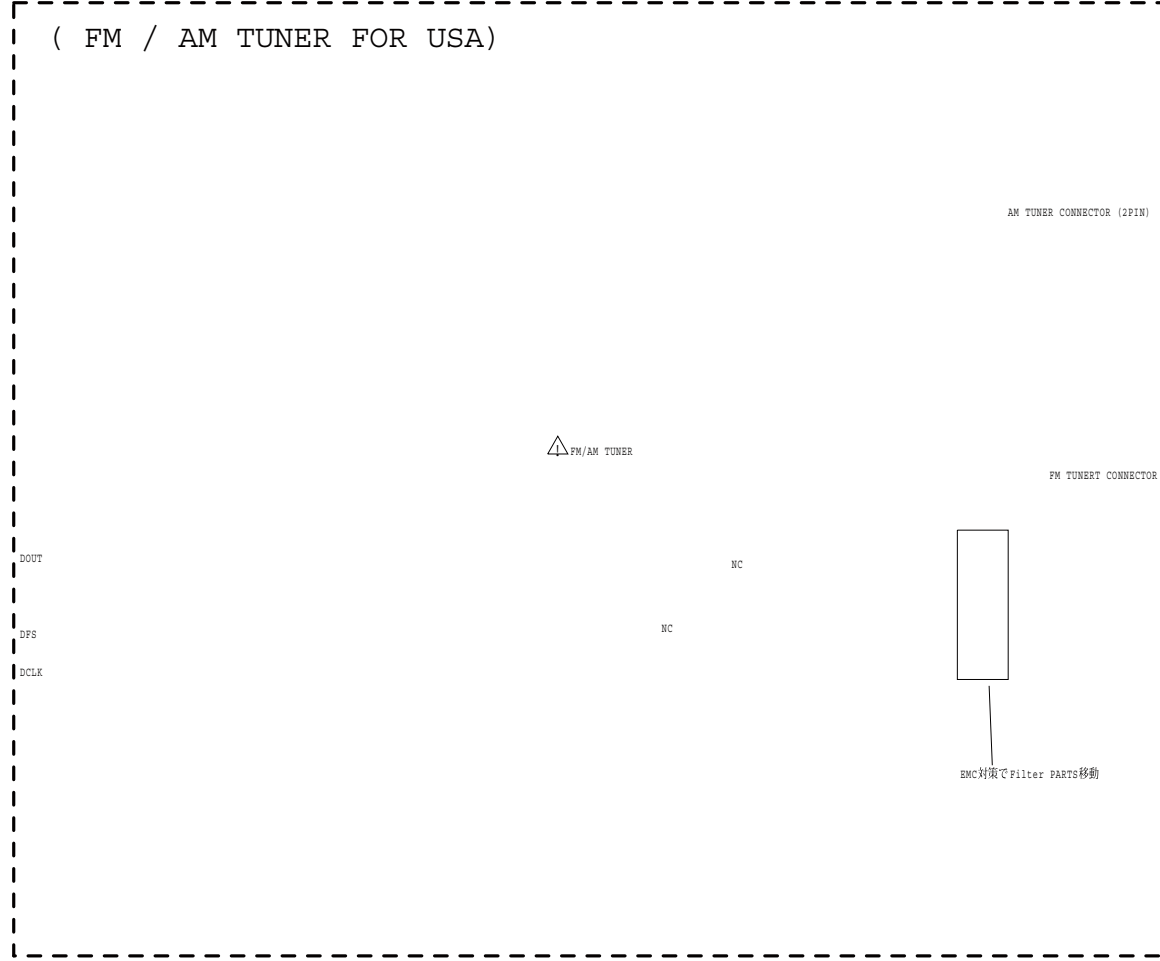
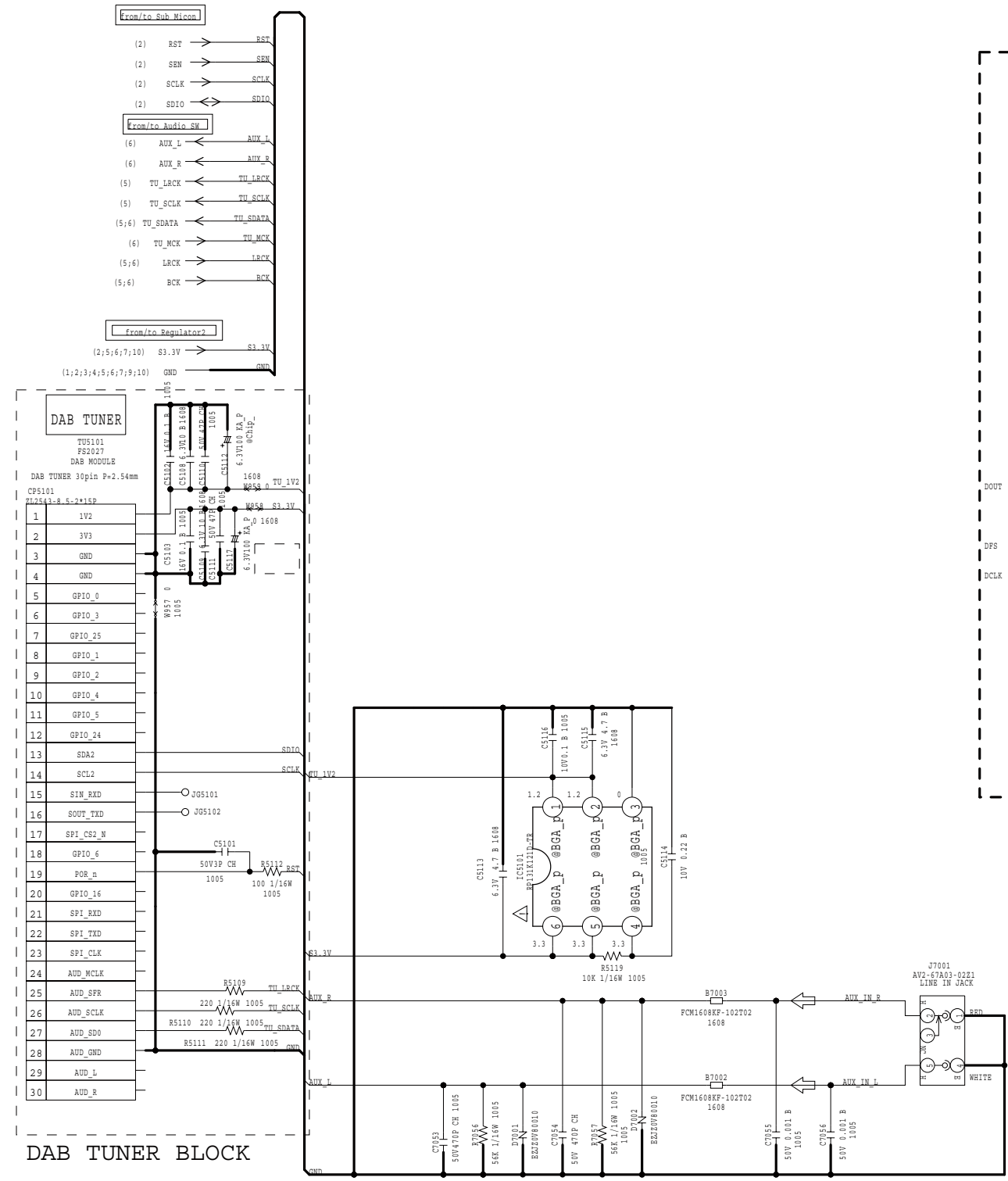
1

2

3

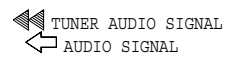
4

5



ATTENTION: LES PIÈCES REPAREES PAR UN Δ ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.



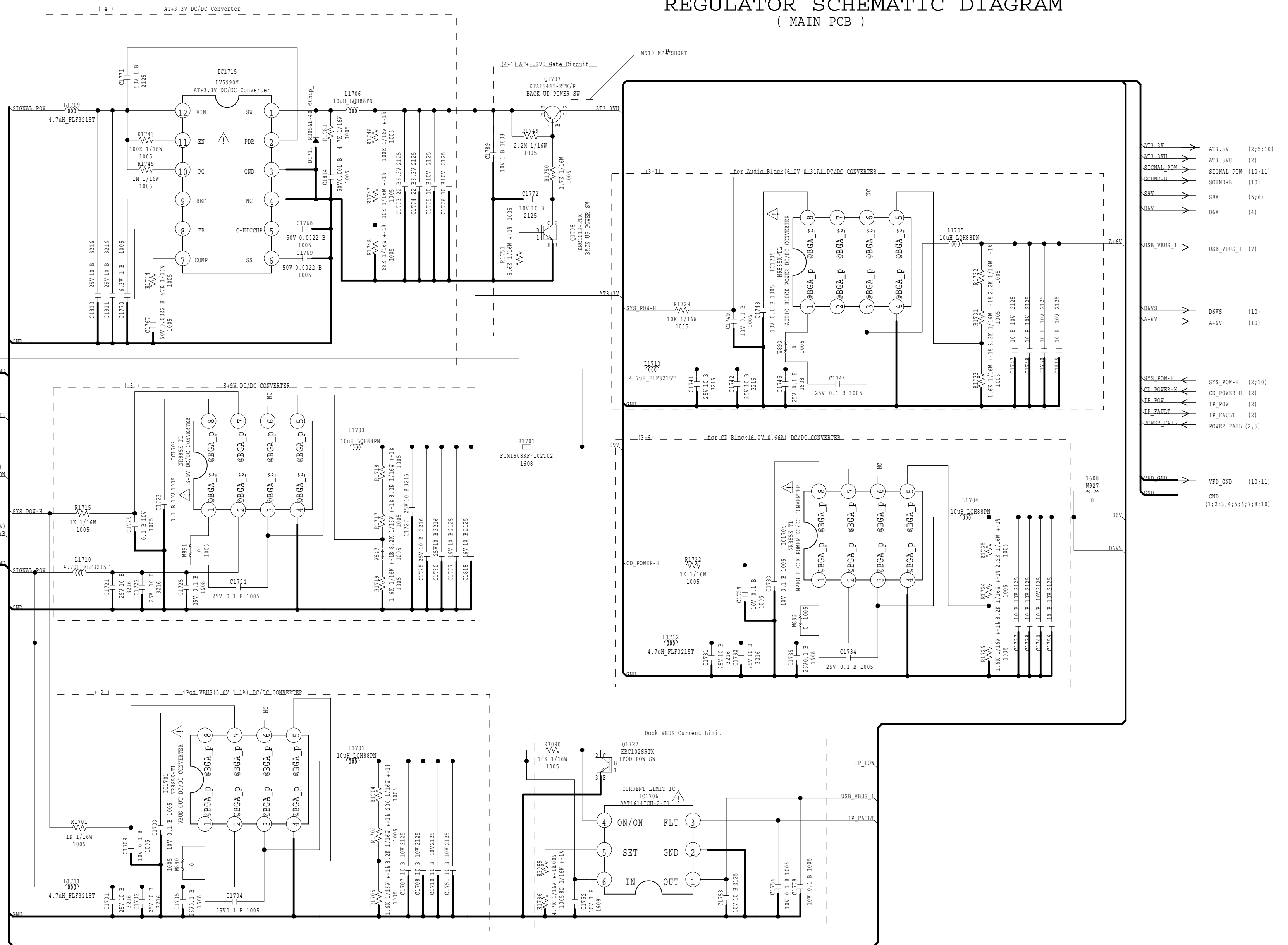
SCHEMATIC DIAGRAMS - 9
REGULATOR (MAIN PCB)

REGULATOR SCHEMATIC DIAGRAM
(MAIN PCB)

FROM/TO POWER PCB

(POWER = 16.5V)

14	SIGNAL_GND
13	SIGNAL_POW
12	SIGNAL_POW
11	POWER_FAIL
10	SIGNAL_GND
9	SIGNAL_POW
8	IPOD_POW
7	IPOD_POW
6	IPOD_GND
5	IPOD_GND
4	SOUND+B
3	SOUND+B
2	SOUND_GND
1	SOUND_GND



ATTENTION: LES PIECES REPAREES PAR UN Δ ETANT DANGERUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

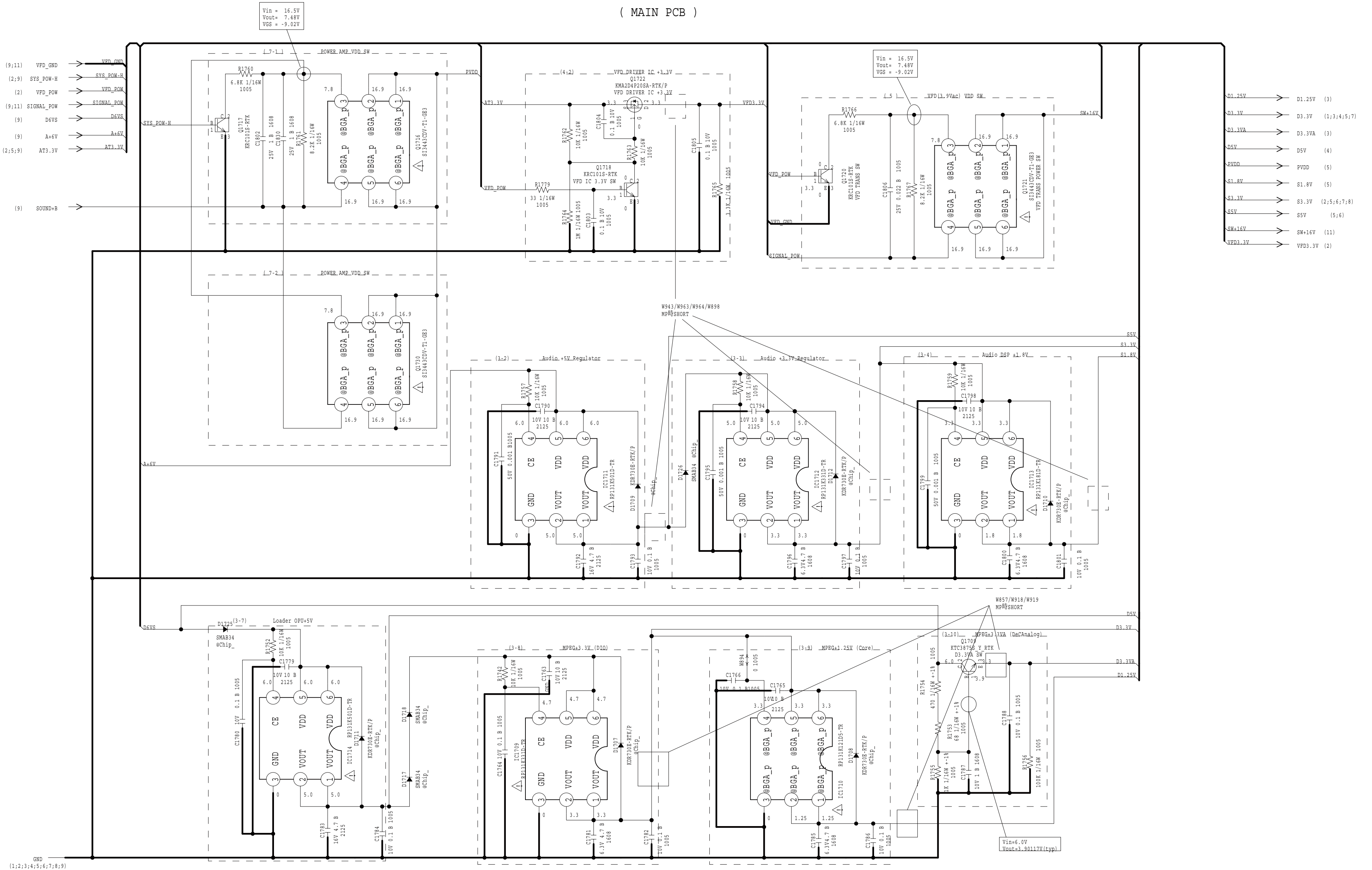
CAUTION: DIGITAL TRANSISTER



1
2
3
4
5
6
7
8

SCHEMATIC DIAGRAMS - 10
REGULATOR2 (MAIN PCB)

REGULATOR2 SCHEMATIC DIAGRAM
(MAIN PCB)

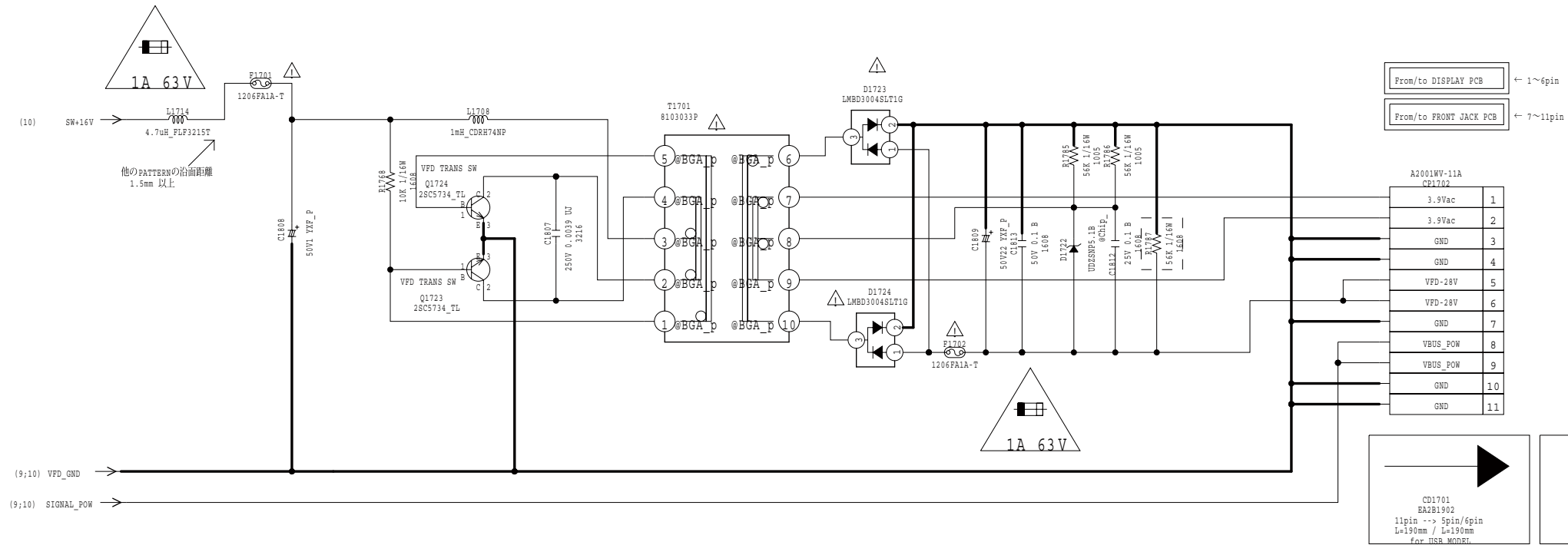


ATTENTION: LES PIECES REPAREES PAR UN △ ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: SINCE THESE PARTS MARKED BY △ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

SCHEMATIC DIAGRAMS - 11
VFD POWER (MAIN PCB)

VFD POWER SCHEMATIC DIAGRAM
 (MAIN PCB)

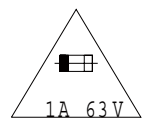


From/to DISPLAY PCB ← 1~6pin
 From/to FRONT JACK PCB ← 7~11pin

A2001WV-11A CPL102	
3.9Vac	1
3.9Vac	2
GND	3
GND	4
VFD-28V	5
VFD-28V	6
GND	7
VBUS_POW	8
VBUS_POW	9
GND	10
GND	11

CD1701
 E2B1902
 11pin → 5pin/6pin
 L=190mm / L=190mm
 for USB_MODEL

6pin L=190mm
 for DOCK Only MODEL



CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
 REPLACE ONLY WITH THE SAME TYPE FUSE 1A 63V (F1701/F1702)
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE
 N'UTILISER QUE DES FUSIBLE DE MEME TYPE 1A 63V (F1701/F1702)

ATTENTION: LES PIECES REPARÉES PAR UN ETANT
 DANGEREUSES AN POINT DE VUE SECURITE
 N'UTILISER QUE CELLS DECRITES
 DANS LA NOMENCLATURE DES PIECES.
CAUTION: SINCE THESE PARTS MARKED BY ARE
 CRITICAL FOR SAFETY, USE ONES
 DESCRIBED IN PARTS LIST ONLY.

1
 2
 3
 4
 5

A B C D E F G H

SCHEMATIC DIAGRAMS - 12 DISPLAY (DISPLAY PCB)

DISPLAY SCHEMATIC DIAGRAM

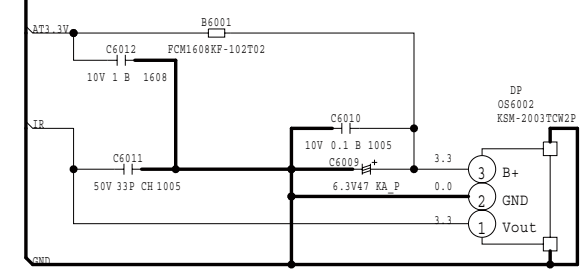
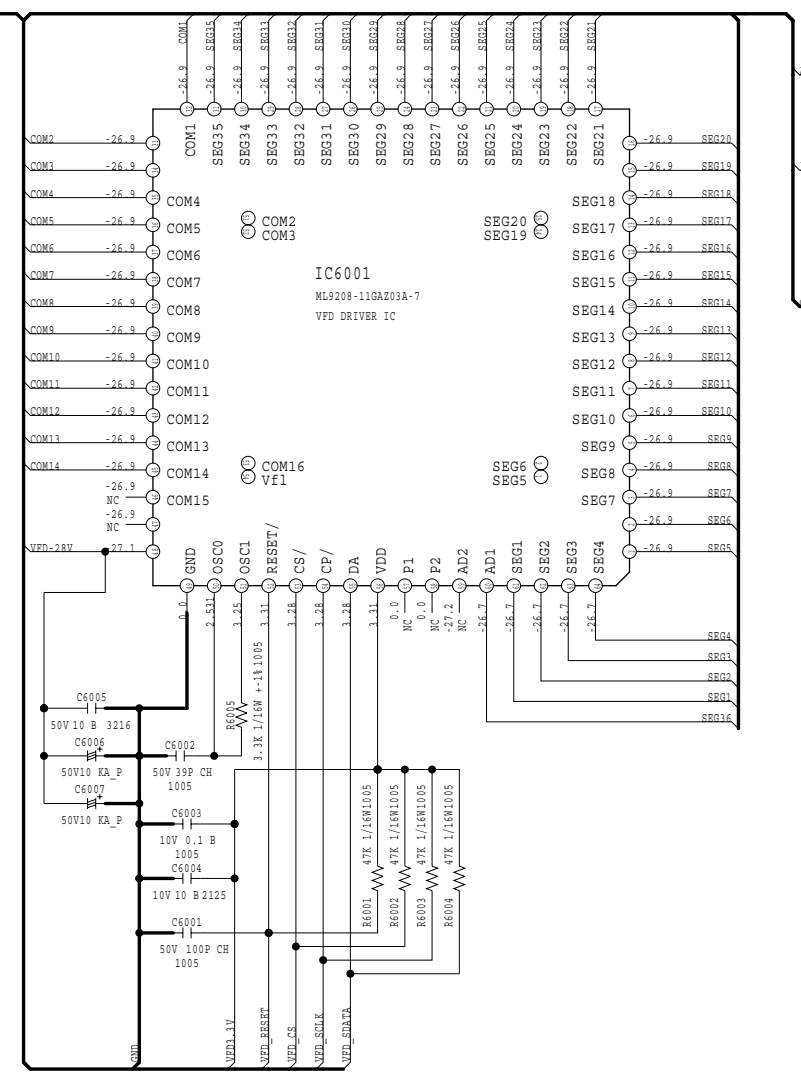
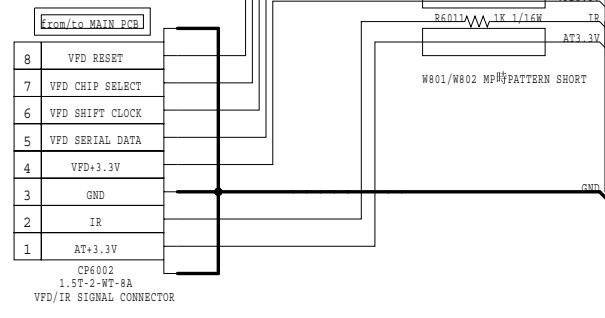
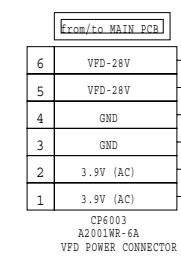
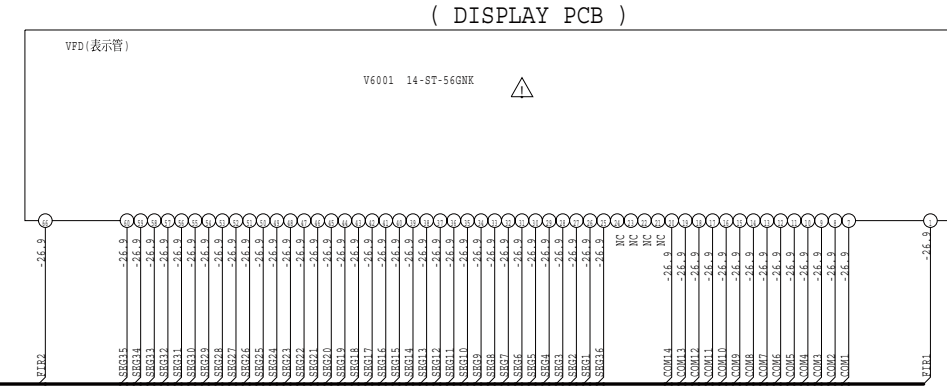
1

2

3

4

5



ATTENTION : LES PIÈCES REPARÉES PAR UN \triangle ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIÈCES.

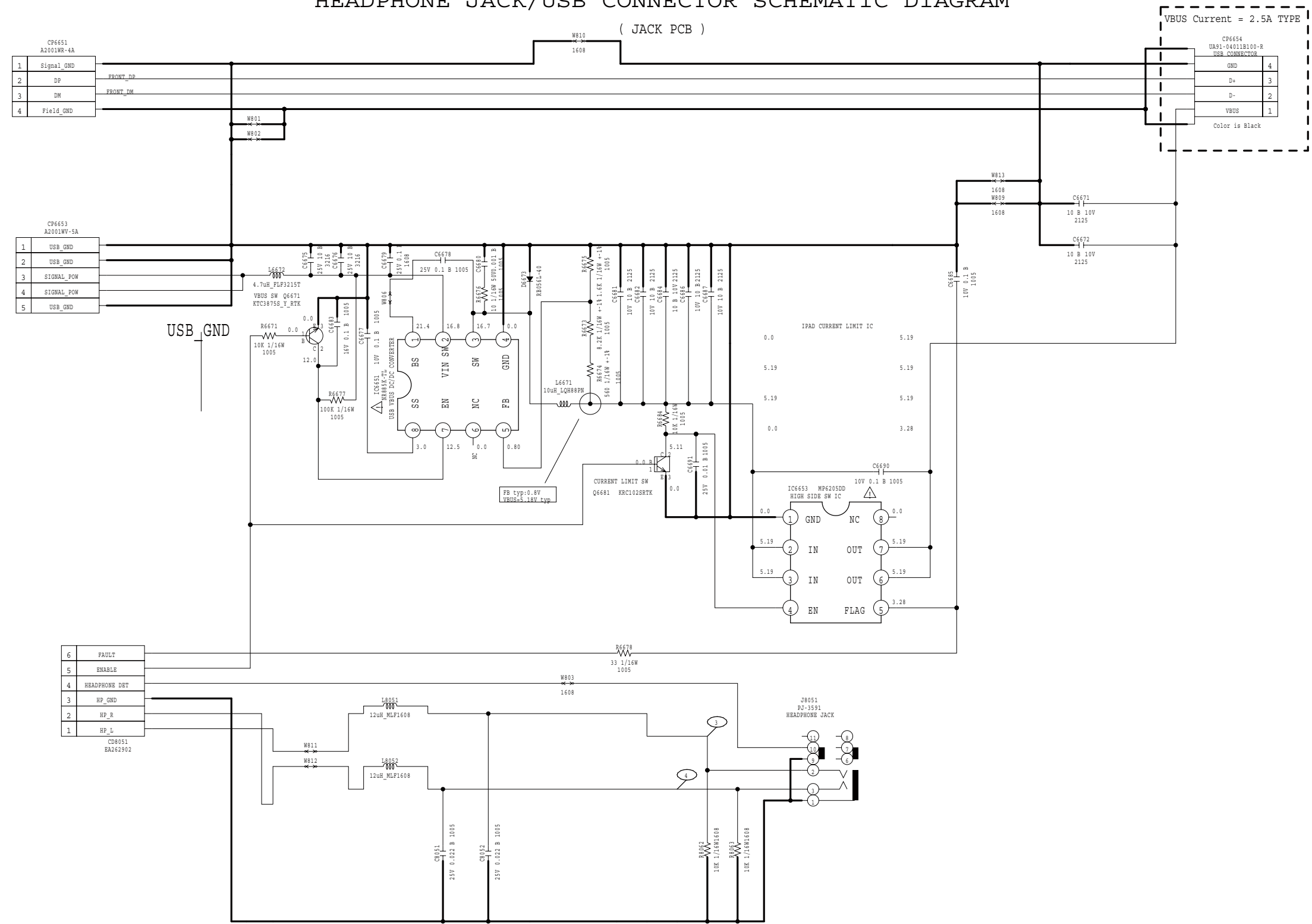
CAUTION: SINCE THESE PARTS MARKED BY \triangle ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

SCHEMATIC DIAGRAMS - 13

HEADPHONE JACK / USB CONNECTOR (JACK PCB)

HEADPHONE JACK/USB CONNECTOR SCHEMATIC DIAGRAM

1
2
3
4
5



VBUS Current = 2.5A TYPE

CP6654	USB1-0401B100-R	USB CONNECTOR
GND	4	
D+	3	
D-	2	
VBUS	1	

Color is Black

ATTENTION: LES PIÈCES MARQUÉES PAR UN ÉTAIENT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

CAUTION: DIGITAL TRANSISTOR

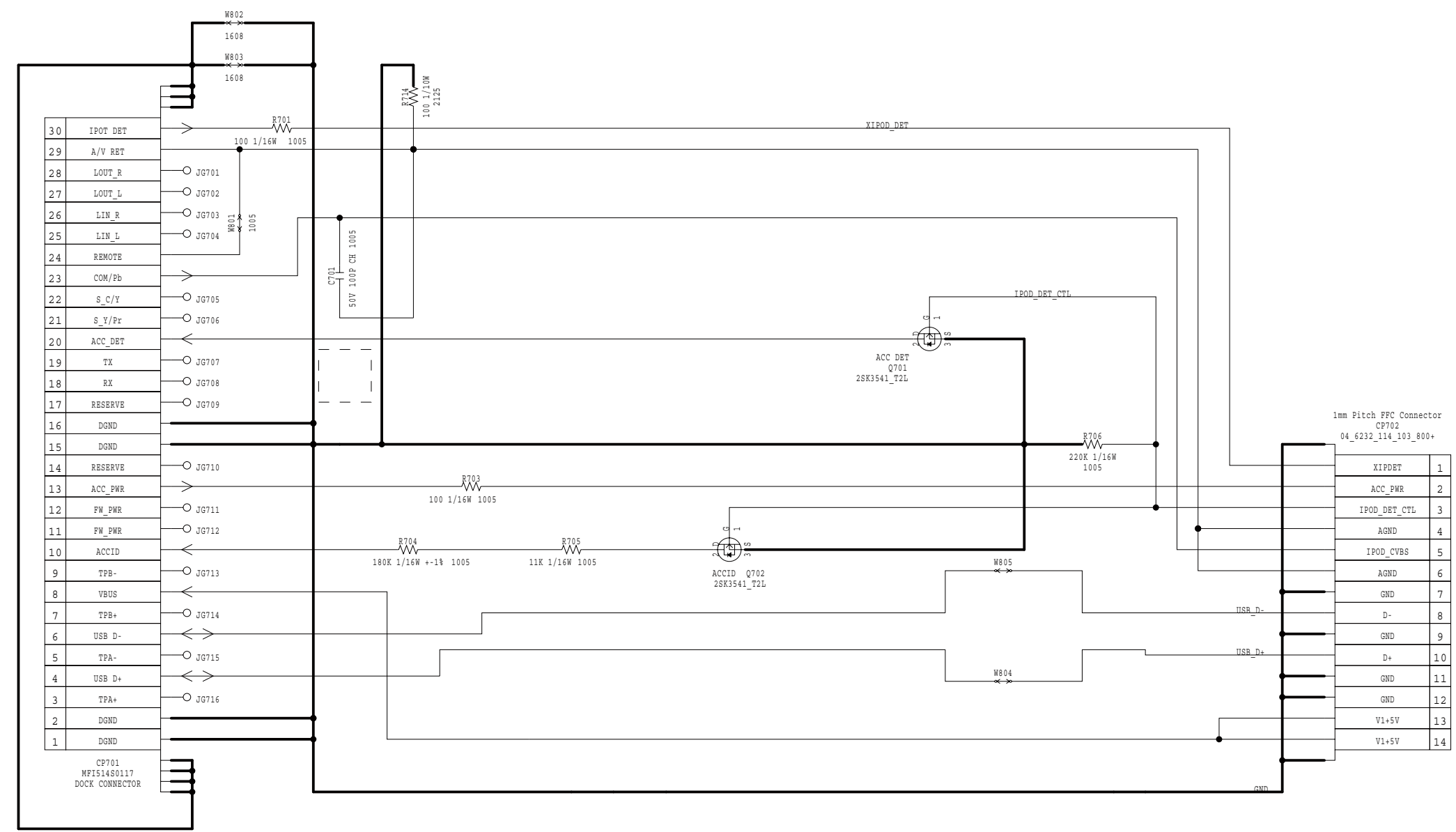
SCHEMATIC DIAGRAMS - 14

DOCK CONNECTOR (DOCK PCB)

DOCK CONNECTOR ADAPTER SCHEMATIC DIAGRAM

(DOCK PCB)

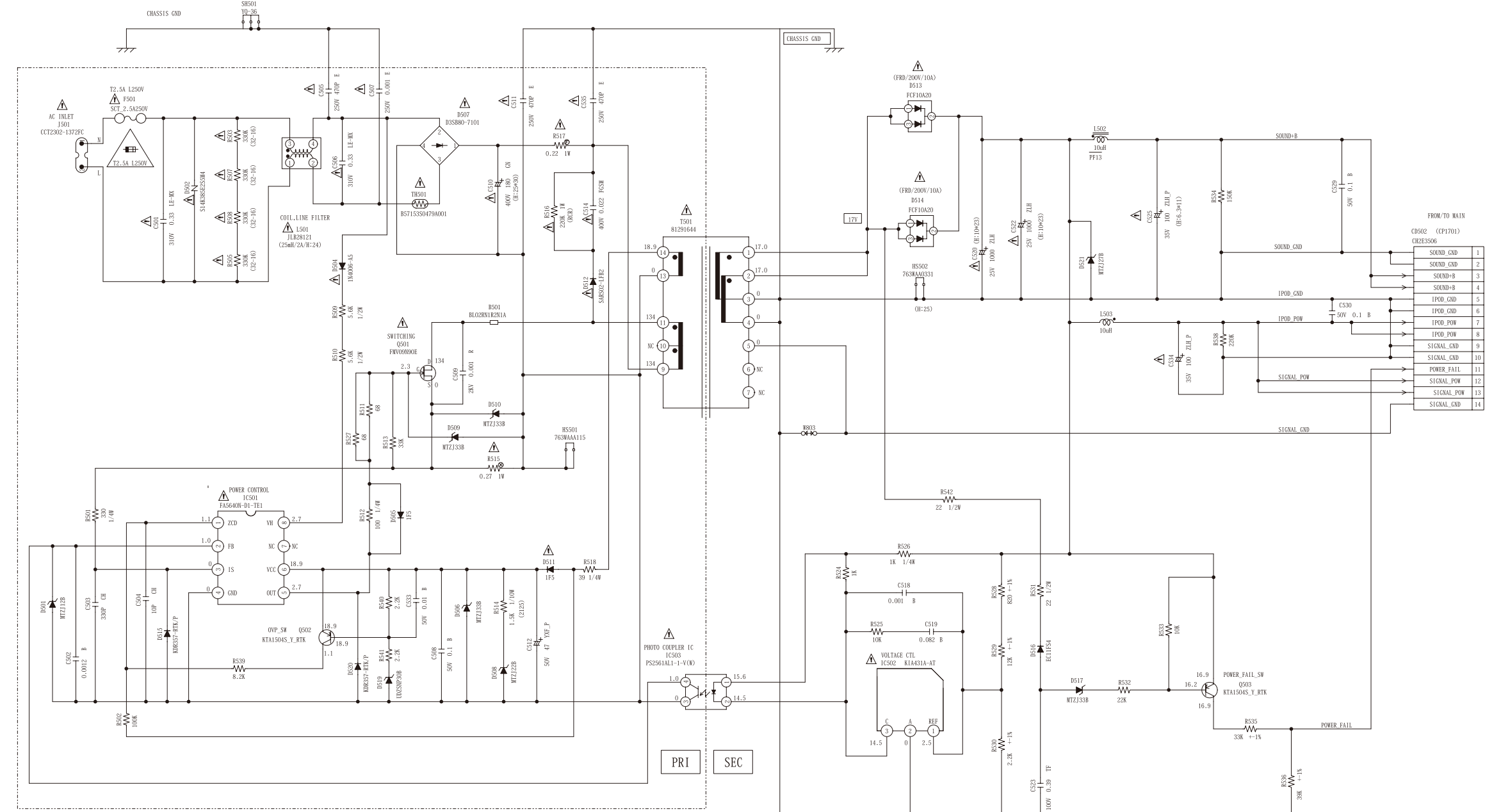
1
2
3
4
5



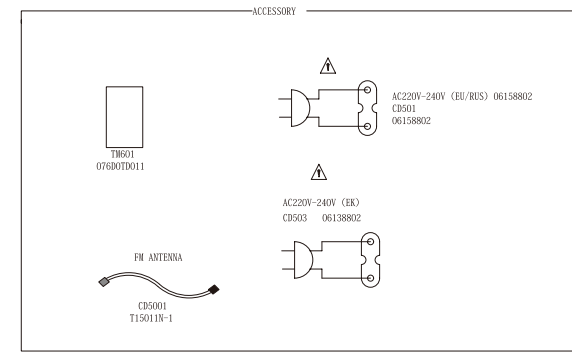
SCHEMATIC DIAGRAMS - 15

POWER SUPPLY (POWER PCB)

POWER SCHEMATIC DIAGRAM (POWER PCB)



FROM/TO MAIN	Terminal
SOUND_GND	1
SOUND_GND	2
SOUND-B	3
SOUND-B	4
IPOD_GND	5
IPOD_GND	6
IPOD_POW	7
IPOD_POW	8
SIGNAL_GND	9
SIGNAL_GND	10
POWER_FAIL	11
SIGNAL_POW	12
SIGNAL_POW	13
SIGNAL_GND	14



CAUTION :FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE T2-5A L250V(F501)

ATTENTION :POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE N'UTILISER QUE DES FUSIBLE DE MEME TYPE T2-5A L250V(F501)

CAUTION : F501 IS MANUFACTURED BY LITTLEFUSE INC.,LTD TYPE 392

CAUTION :SINCE THESE PARTS MARKED BY CRITICAL FOR SAFETY,USE ONES DESCRIBED IN PARTS LIST ONLY

ATTENTION :LES PIECES REPAREES PAR UN DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIECES

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

1
2
3
4
5

A

B

C

D

E

SCHEMATIC DIAGRAMS - 16
OPERATION / USB (OPERATION PCB)

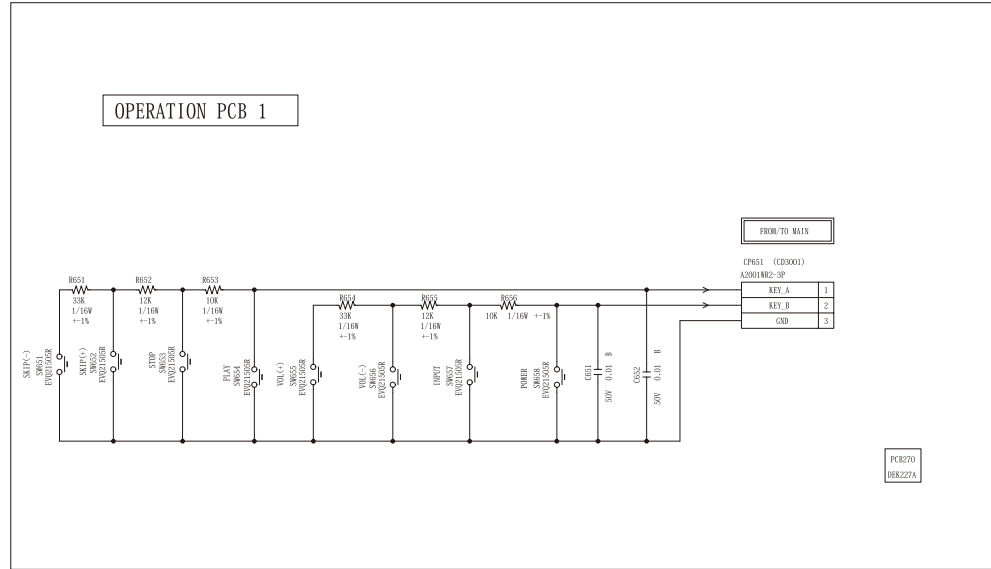
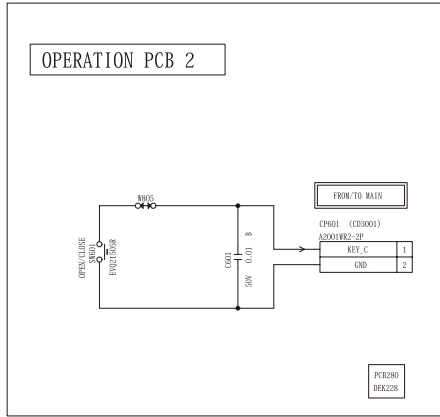
OPERATION/USB SCHEMATIC DIAGRAM
 (OPERATION PCB)

1

2

3

4



NOTE:THE DC VOLTAGE EACH PART WAS
 MEASURED WITH THE DIGITAL TESTER
 DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
 OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

CR-245(B)WDC**<Note>**

Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

NOTE :

THE COMPONENTS IDENTIFIED BY THE MARK ! ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

CR-245(B)WDC**EXPLODED VIEW PARTS LIST**

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
1	HOLDER VFD			761WPA0650	
2	HOLDER DECK 2			702WPA1578	
3	PLATE JACK			702WSJ0002	
4	HOLDER WIRE			709WPA0051	
5	TRAY			711WPA0414	
7	SPRING EARTH			744WUA0072	
8	SPRING EARTH			753WUAA019	
9	SHEET PC			759WNA0035	
10	FRAME ANGLE TOP			761WSA0877	
11	EARTH RUG			761WSAA357	
12	PC WASHER	7x3.2xT0.5		800WB00006	
13	CUSHION			800WFAA074	
16	SCREW TAP TITE(P) WH10 3x8			8110E3080U	
17	SCREW TAP TITE(B) WH8 3x10			8109D30A0U	
18	SCREW TAP TITE(P) BIND 2.6x8			811022680U	
19	SCREW TAP TITE(B) BIND 3x8			810923080U	
20	SCREW TAP TITE(B) BIND 3x10 BK			8109230A0S	

21	SCREW TAP TITE(B) BIND 3x14		8109230A4U
22	SCREW TAP TITE(B) BIND 3x8		810923080S
23	SCREW TAP TITE(B) PAN 3x6 BK		810913060S
101	FRONT CABI ASS'Y		7A701B420B
101A	CABINET FRONT		701WPBA123
101B	PANEL FRONT		701WSJ0005
101C	HOLDER DECK 1		702WPA1577
101D	PLATE BOTTOM		702WSA0303
101E	LEG		704WPA0182
101F	PLATE DISPLAY		711WPB0062
101I	FRONT BUTTON FRAME		735WPA1000
101J	HOLDERASSIS L		761WPBA004
101K	HOLDERASSIS R		761WPBA005
101L	CUSHION LEG		800WRA0015
102	TOP CABI ASS'Y		7A702B545A
102A	CABINET TOP		702WPJA023
102B	TOP BUTTON FRAME		735WPBB709
102C	HOLDER SHUTTER		702WPAB863
102D	DOCK COVER		702WPBA280
102E	DOCK SHUTTER		702WPBA281
102F	SPRING SHUTTER		749WUA0002
102G	HOOK		761WPBA003
102H	CUSHION		800WRAA013
102I	CUSHION		800WRA0017
102J	CUSHION		800WRA0019
	*** P.C. BOARD ASSEMBLIES ***		
PCB240	POWER PCB ASS'Y	DPK028A	A11512A240
PCB260	FRONT JACK PCB ASS'Y	DEL262A	A11512A260
PCB270	OPERATION PCB ASS'Y	DEK227A	A11512A270

PCB280	OPERATION 2 PCB ASS'Y	DEK228A	A11512A280
PCBDP0	DISPLAY PCB ASS'Y	DEL261A	A11512ADP0
PCBF40	MAIN PCB ASS'Y	DML146A	A11512AF40
PCBFF0	DOCK PCB ASS'Y	DEL263A	A11512AFF0
MECH.			
Z1	CD MECHA ASS'Y(DM5)		A11501A650

CR-245(B)WDC

PACKING PROCEDURES PARTS LIST

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
P1	CORD AC	P201-2898-1		120Q008901	!
P2	ANTENNA ROD	T15011N-1		06ERL0B001	
P3	ANTENNA ROD	S0160BM-16		06ERL0A001	
P4	REMOTE CONTROL UNIT			076D0TD011	
P5	CARTON LABEL			723000F269	
P6	LAMI BAG			791WHA0219	
P7	PACKAGE FRONT			792WHA0864	
P8	PACKAGE BACK			792WHA0865	
P9	GIFT BOX			793WCDE732	
P10	SHEET PROTECTION			795WCA0743	
P11	POLYBAG INSTRUCTION(REDCAUTION)			JB5KD001	
P12	INSTRUCTION BOOK(E/F/S)			J1151231A	
P13	WARRANTY CARD			J1151202A	
P14	FILM BAG			791WHAA339	

CR-245(B)WDC

PC BOARD PARTS LIST

CIRCUIT NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (SN)	REMARKS
	*** RESISTORS ***				
R501	RC	330OHM 1/4W		R002T4331J	
R502	RC	100KOHM 1/16W		R803R9104J	
R503	RC	330KOHM 1/8W		R8X2R8334J	
R505	RC	330KOHM 1/8W		R8X2R8334J	
R507	RC	330KOHM 1/8W		R8X2R8334J	
R508	RC	330KOHM 1/8W		R8X2R8334J	
R509	RC	5.6KOHM 1/2W		R002T2562J	
R510	RC	5.6KOHM 1/2W		R002T2562J	
R511	RC	68OHM 1/16W		R803R9680J	
R512	RC	100OHM 1/4W		R002T4101J	
R513	RC	33KOHM 1/16W		R803R9333J	
R514	RC	1.5KOHM 1/10W		R801R7152J	
R515	R,METAL OXIDE	0.15OHM 1W		R3K781R15J	
R516	RC	220KOHM 1W		RC31X1224J	
R517	R,FUSE	0.22OHM 1W		R63881R22J	
R518	RC	39OHM 1/4W		R002T4390J	
R524	RC	1KOHM 1/16W		R803R9102J	
R525	RC	10KOHM 1/16W		R803R9103J	
R526	RC	1KOHM 1/4W		R002T4102J	
R527	RC	68OHM 1/16W		R803R9680J	
R528	RC	820OHM 1/16W		R803R9821F	
R529	RC	12KOHM 1/16W		R803R9123F	
R530	RC	2.2KOHM 1/16W		R803R9222F	
R531	RC	22OHM 1/2W		R002T2220J	
R532	RC	22KOHM 1/16W		R803R9223J	
R533	RC	10KOHM 1/16W		R803R9103J	
R534	RC	150KOHM 1/16W		R803R9154J	
R535	RC	33KOHM 1/16W		R803R9333F	

R536	RC	39KOHM 1/16W	R803R9393F
R538	RC	220KOHM 1/16W	R803R9224J
R539	RC	8.2KOHM 1/16W	R803R9822J
R540	RC	2.2KOHM 1/16W	R803R9222J
R541	RC	2.2KOHM 1/16W	R803R9222J
R542	RC	22OHM 1/2W	R002T2220J
R651	RC	33KOHM 1/16W	R803R9333F
R652	RC	12KOHM 1/16W	R803R9123F
R653	RC	10KOHM 1/16W	R803R9103F
R654	RC	33KOHM 1/16W	R803R9333F
R655	RC	12KOHM 1/16W	R803R9123F
R656	RC	10KOHM 1/16W	R803R9103F
R701	RC	100OHM 1/16W	R808R9101J
R703	RC	100OHM 1/16W	R808R9101J
R704	RC	180KOHM 1/16W	R808R9184F
R705	RC	11KOHM 1/16W	R808R9113J
R706	RC	220KOHM 1/16W	R808R9224J
R714	RC	100OHM 1/10W	R801R7101J
R1701	RC	1KOHM 1/16W	R808R9102J
R1703	RC	8.2KOHM 1/16W	R808R9822F
R1704	RC	200OHM 1/16W	R808R9201F
R1705	RC	1.6KOHM 1/16W	R808R9162F
R1715	RC	1KOHM 1/16W	R808R9102J
R1717	RC	8.2KOHM 1/16W	R808R9822F
R1718	RC	8.2KOHM 1/16W	R808R9822F
R1719	RC	1.6KOHM 1/16W	R808R9162F
R1722	RC	1KOHM 1/16W	R808R9102J
R1724	RC	8.2KOHM 1/16W	R808R9822F
R1725	RC	2.2KOHM 1/16W	R808R9222F
R1726	RC	1.6KOHM 1/16W	R808R9162F
R1729	RC	10KOHM 1/16W	R808R9103J
R1731	RC	8.2KOHM 1/16W	R808R9822F
R1732	RC	2.2KOHM 1/16W	R808R9222F

R1733	RC	1.6KOHM 1/16W	R808R9162F
R1736	RC	4.7KOHM 1/16W	R808R9472F
R1742	RC	10KOHM 1/16W	R808R9103J
R1743	RC	100KOHM 1/16W	R808R9104J
R1744	RC	47KOHM 1/16W	R808R9473J
R1745	RC	1MOHM 1/16W	R808R9105J
R1746	RC	100KOHM 1/16W	R808R9104F
R1747	RC	10KOHM 1/16W	R808R9103F
R1748	RC	68KOHM 1/16W	R808R9683F
R1749	RC	2.2MOHM 1/16W	R808R9225J
R1750	RC	2.7KOHM 1/16W	R808R9272J
R1751	RC	5.6KOHM 1/16W	R808R9562F
R1752	RC	10KOHM 1/16W	R808R9103J
R1753	RC	68OHM 1/16W	R808R9680F
R1754	RC	470OHM 1/16W	R808R9471F
R1755	RC	1KOHM 1/16W	R808R9102F
R1756	RC	100KOHM 1/16W	R808R9104J
R1757	RC	10KOHM 1/16W	R808R9103J
R1758	RC	10KOHM 1/16W	R808R9103J
R1759	RC	10KOHM 1/16W	R808R9103J
R1760	RC	6.8KOHM 1/16W	R808R9682J
R1761	RC	8.2KOHM 1/16W	R808R9822J
R1762	RC	10KOHM 1/16W	R808R9103J
R1763	RC	10KOHM 1/16W	R808R9103J
R1764	RC	1MOHM 1/16W	R808R9105J
R1765	RC	3.3KOHM 1/16W	R808R9332J
R1766	RC	6.8KOHM 1/16W	R808R9682J
R1767	RC	8.2KOHM 1/16W	R808R9822J
R1768	RC	10KOHM 1/16W	R803R9103J
R1779	RC	33OHM 1/16W	R808R9330J
R1781	RC	4.7KOHM 1/16W	R808R9472J
R1785	RC	56KOHM 1/16W	R808R9563J
R1786	RC	56KOHM 1/16W	R808R9563J

R1787	RC	56KOHM 1/16W	R803R9563J
R2004	RC	10KOHM 1/16W	R808R9103J
R2006	RC	10KOHM 1/16W	R808R9103J
R2011	RC	10KOHM 1/16W	R808R9103J
R2012	RC	47KOHM 1/16W	R808R9473J
R2013	RC	47KOHM 1/16W	R808R9473J
R2016	RC	33OHM 1/16W	R808R9330J
R2017	RC	33OHM 1/16W	R808R9330J
R2036	RC	11KOHM 1/16W	R808R9113J
R2037	RC	11KOHM 1/16W	R808R9113J
R2039	RC	11KOHM 1/16W	R808R9113J
R2040	RC	9.1KOHM 1/16W	R808R9912J
R2041	RC	9.1KOHM 1/16W	R808R9912J
R2042	RC	62KOHM 1/16W	R808R9623F
R2043	RC	62KOHM 1/16W	R808R9623F
R2046	RC	11KOHM 1/16W	R808R9113J
R2047	RC	22KOHM 1/16W	R808R9223J
R2048	RC	22KOHM 1/16W	R808R9223J
R2049	RC	30KOHM 1/16W	R808R9303J
R2052	RC	10KOHM 1/16W	R808R9103F
R2053	RC	10KOHM 1/16W	R808R9103F
R2055	RC	22KOHM 1/16W	R808R9223J
R2056	RC	10KOHM 1/16W	R808R9103J
R2057	RC	27KOHM 1/16W	R808R9273J
R2058	RC	39KOHM 1/16W	R808R9393J
R2059	RC	47KOHM 1/16W	R808R9473J
R2060	RC	47KOHM 1/16W	R808R9473J
R2061	RC	47KOHM 1/16W	R808R9473J
R2062	RC	47KOHM 1/16W	R808R9473J
R2063	RC	15KOHM 1/16W	R808R9153J
R2064	RC	15KOHM 1/16W	R808R9153J
R2068	RC	470OHM 1/16W	R808R9471J
R2069	RC	4.7KOHM 1/16W	R808R9472J

R2070	RC	220OHM 1/16W	R803R9221J
R2072	RC	4.7KOHM 1/16W	R808R9472J
R2073	RC	2.2KOHM 1/16W	R808R9222J
R2074	RC	10KOHM 1/16W	R808R9103J
R2075	RC	220OHM 1/16W	R803R9221J
R2076	RC	330OHM 1/16W	R808R9331J
R2082	RC	22OHM 1/16W	R808R9220J
R2083	RC	22OHM 1/16W	R808R9220J
R2084	RC	22OHM 1/16W	R808R9220J
R2089	RC	10KOHM 1/16W	R808R9103J
R2090	RC	10KOHM 1/16W	R808R9103J
R2091	RC	10KOHM 1/16W	R808R9103J
R2093	RC	1.2KOHM 1/16W	R808R9122J
R2094	RC	1.2KOHM 1/16W	R808R9122J
R2095	RC	10KOHM 1/16W	R808R9103J
R2096	RC	10KOHM 1/16W	R808R9103J
R2097	RC	390OHM 1/16W	R808R9391J
R2098	RC	390OHM 1/16W	R808R9391J
R2101	RC	3.3KOHM 1/10W	R801R7332J
R2102	RC	20KOHM 1/16W	R803R9203J
R2103	RC	47KOHM 1/16W	R803R9473J
R2104	RC	2.7KOHM 1/10W	R801R7272J
R2105	RC	3.3KOHM 1/10W	R801R7332J
R2107	RC	150OHM 1/16W	R803R9151J
R2108	RC	5.6KOHM 1/16W	R803R9562J
R2109	RC	47KOHM 1/16W	R803R9473J
R2110	RC	10KOHM 1/16W	R803R9103J
R2111	RC	10KOHM 1/16W	R803R9103J
R2112	RC	10KOHM 1/16W	R803R9103J
R2113	RC	10KOHM 1/16W	R803R9103J
R2114	RC	10KOHM 1/16W	R803R9103J
R2115	RC	10KOHM 1/16W	R808R9103J
R2116	RC	5.6KOHM 1/16W	R808R9562J

R2117	RC	68OHM 1/16W	R803R9680J
R2118	RC	68OHM 1/16W	R803R9680J
R2119	RC	1.2KOHM 1/16W	R808R9122J
R2121	RC	680OHM 1/16W	R808R9681J
R2122	RC	3.3KOHM 1/16W	R808R9332J
R2125	RC	5.6KOHM 1/16W	R803R9562J
R2126	RC	10KOHM 1/16W	R808R9103F
R2127	RC	10KOHM 1/16W	R808R9103F
R2131	RC	22OHM 1/16W	R808R9220J
R2134	RC	22OHM 1/16W	R808R9220J
R2301	RC	18KOHM 1/16W	R808R9183F
R2302	RC	8.2KOHM 1/16W	R808R9822F
R2303	RC	47KOHM 1/16W	R808R9473J
R2304	RC	47KOHM 1/16W	R808R9473J
R2305	RC	10KOHM 1/16W	R808R9103J
R2306	RC	10KOHM 1/16W	R808R9103F
R2307	RC	8.2KOHM 1/16W	R808R9822F
R2308	RC	470OHM 1/16W	R808R9471F
R2309	RC	3.3KOHM 1/16W	R808R9332J
R2310	RC	10KOHM 1/16W	R808R9103J
R2311	RC	10KOHM 1/16W	R808R9103J
R2312	RC	10KOHM 1/16W	R808R9103J
R2313	RC	10KOHM 1/16W	R808R9103J
R2314	RC	10KOHM 1/16W	R808R9103J
R2315	RC	1OHM 1/4W	R861R4010J
R2316	RC	10KOHM 1/16W	R808R9103J
R3001	RC	4.7KOHM 1/16W	R808R9472J
R3002	RC	100KOHM 1/16W	R808R9104J
R3005	RC	47KOHM 1/16W	R808R9473J
R3006	RC	27KOHM 1/16W	R808R9273J
R3017	RC	100OHM 1/16W	R808R9101J
R3018	RC	3.9KOHM 1/16W	R808R9392J
R3019	RC	3.9KOHM 1/16W	R808R9392J

R3020	RC	100OHM 1/16W	R808R9101J
R3021	RC	10KOHM 1/16W	R808R9103J
R3022	RC	10KOHM 1/16W	R808R9103J
R3025	RC	10KOHM 1/16W	R808R9103J
R3026	RC	10KOHM 1/16W	R808R9103J
R3027	RC	10KOHM 1/16W	R808R9103J
R3028	RC	10KOHM 1/16W	R808R9103J
R3029	RC	22OHM 1/16W	R808R9220J
R3030	RC	22OHM 1/16W	R808R9220J
R3031	RC	10KOHM 1/16W	R808R9103J
R3032	RC	100OHM 1/16W	R808R9101J
R3033	RC	4.7KOHM 1/16W	R808R9472J
R3034	RC	47KOHM 1/16W	R808R9473J
R3035	RC	100OHM 1/16W	R808R9101J
R3036	RC	10KOHM 1/16W	R808R9103J
R3038	RC	33OHM 1/16W	R808R9330J
R3040	RC	33OHM 1/16W	R808R9330J
R3044	RC	4.7KOHM 1/16W	R808R9472J
R3045	RC	100OHM 1/16W	R808R9101J
R3048	RC	10KOHM 1/16W	R808R9103J
R3049	RC	10KOHM 1/16W	R808R9103J
R3050	RC	10KOHM 1/16W	R808R9103J
R3051	RC	10KOHM 1/16W	R808R9103J
R3052	RC	100KOHM 1/16W	R808R9104J
R3053	RC	10KOHM 1/16W	R808R9103J
R3054	RC	470OHM 1/16W	R808R9471J
R3064	RC	33OHM 1/16W	R808R9330J
R3069	RC	22OHM 1/16W	R808R9220J
R3070	RC	22OHM 1/16W	R808R9220J
R3071	RC	22OHM 1/16W	R808R9220J
R3072	RC	22OHM 1/16W	R808R9220J
R3073	RC	22KOHM 1/16W	R808R9223J
R3074	RC	56KOHM 1/16W	R808R9563J

R3075	RC	56KOHM 1/16W	R808R9563J
R3076	RC	56KOHM 1/16W	R808R9563J
R3077	RC	10KOHM 1/16W	R808R9103J
R3078	RC	39KOHM 1/16W	R808R9393J
R3079	RC	39KOHM 1/16W	R808R9393J
R3080	RC	22KOHM 1/16W	R808R9223J
R3081	RC	47KOHM 1/16W	R808R9473J
R3082	RC	47KOHM 1/16W	R808R9473J
R3083	RC	47KOHM 1/16W	R808R9473J
R3087	RC	10KOHM 1/16W	R808R9103J
R3088	RC	10KOHM 1/16W	R808R9103J
R3089	RC	82OHM 1/16W	R808R9820F
R3090	RC	10KOHM 1/16W	R808R9103J
R3091	RC	100KOHM 1/16W	R808R9104J
R3092	RC	10KOHM 1/16W	R808R9103J
R3093	RC	33OHM 1/16W	R808R9330J
R3100	RC	10KOHM 1/16W	R808R9103J
R3102	RC	22OHM 1/16W	R808R9220J
R4001	RC	10OHM 1/16W	R808R9100J
R4002	RC	10KOHM 1/16W	R808R9103J
R4004	RC	10KOHM 1/16W	R808R9103J
R4005	RC	33OHM 1/16W	R808R9330J
R4006	RC	10KOHM 1/16W	R808R9103J
R4007	RC	10KOHM 1/16W	R808R9103J
R4010	RC	560OHM 1/16W	R808R9561F
R4012	RC	33OHM 1/16W	R808R9330J
R4018	RC	10KOHM 1/16W	R808R9103J
R4019	RC	33OHM 1/16W	R808R9330J
R4020	RC	33OHM 1/16W	R808R9330J
R4033	RC	82OHM 1/16W	R808R9820F
R4034	RC	100KOHM 1/16W	R808R9104J
R4035	RC	13KOHM 1/16W	R808R9133F
R4036	RC	8.2KOHM 1/16W	R808R9822F

R4037	RC	13KOHM 1/16W	R808R9133F
R4038	RC	13KOHM 1/16W	R808R9133F
R4039	RC	5.1KOHM 1/16W	R808R9512F
R4040	RC	10KOHM 1/16W	R808R9103J
R4044	RC	4.7KOHM 1/16W	R808R9472J
R4045	RC	4.7KOHM 1/16W	R808R9472J
R4048	RC	150OHM 1/16W	R808R9151J
R4049	RC	22OHM 1/16W	R808R9220J
R4051	RC	75OHM 1/16W	R803R9750F
R4052	RC	22OHM 1/16W	R808R9220J
R4053	RC	22OHM 1/16W	R808R9220J
R4054	RC	22OHM 1/16W	R808R9220J
R4055	RC	10KOHM 1/16W	R808R9103J
R4056	RC	10KOHM 1/16W	R808R9103J
R4061	RC	10KOHM 1/16W	R808R9103J
R5030	RC	560OHM 1/16W	R808R9561J
R5031	RC	2.2KOHM 1/16W	R808R9222J
R5032	RC	2.2KOHM 1/16W	R808R9222J
R5033	RC	330OHM 1/16W	R808R9331J
R5037	RC	330OHM 1/16W	R808R9331J
R5038	RC	330OHM 1/16W	R808R9331J
R5039	RC	330OHM 1/16W	R808R9331J
R5041	RC	10KOHM 1/16W	R808R9103J
R5044	RC	10KOHM 1/16W	R808R9103J
R6001	RC	47KOHM 1/16W	R808R9473J
R6002	RC	47KOHM 1/16W	R808R9473J
R6003	RC	47KOHM 1/16W	R808R9473J
R6004	RC	47KOHM 1/16W	R808R9473J
R6005	RC	3.3KOHM 1/16W	R808R9332F
R6006	RC	1KOHM 1/16W	R808R9102J
R6007	RC	1KOHM 1/16W	R808R9102J
R6008	RC	1KOHM 1/16W	R808R9102J
R6009	RC	1KOHM 1/16W	R808R9102J

R6011	RC	1KOHM 1/16W	R808R9102J
R6610	RC	10KOHM 1/16W	R808R9103J
R6612	RC	10KOHM 1/16W	R808R9103J
R6613	RC	10KOHM 1/16W	R808R9103J
R6619	RC	10KOHM 1/16W	R808R9103J
R6620	RC	10KOHM 1/16W	R808R9103J
R6621	RC	10KOHM 1/16W	R808R9103J
R6622	RC	10KOHM 1/16W	R808R9103J
R6623	RC	10KOHM 1/16W	R808R9103J
R6624	RC	10KOHM 1/16W	R808R9103J
R6625	RC	12KOHM 1/16W	R808R9123F
R6626	RC	1MOHM 1/16W	R808R9105J
R6628	RC	10KOHM 1/16W	R808R9103J
R6630	RC	10KOHM 1/16W	R808R9103J
R6632	RC	10KOHM 1/16W	R808R9103J
R6633	RC	10KOHM 1/16W	R808R9103J
R6635	RC	10KOHM 1/16W	R808R9103J
R6636	RC	10KOHM 1/16W	R808R9103J
R6637	RC	10KOHM 1/16W	R808R9103J
R6638	RC	10KOHM 1/16W	R808R9103J
R6639	RC	10KOHM 1/16W	R808R9103J
R6648	RC	10KOHM 1/16W	R808R9103J
R6649	RC	10KOHM 1/16W	R808R9103J
R6653	RC	4.7KOHM 1/16W	R808R9472J
R6654	RC	22OHM 1/16W	R808R9220J
R6655	RC	22OHM 1/16W	R808R9220J
R6656	RC	22OHM 1/16W	R808R9220J
R6657	RC	22OHM 1/16W	R808R9220J
R6658	RC	22OHM 1/16W	R808R9220J
R6659	RC	22OHM 1/16W	R808R9220J
R7027	RC	33OHM 1/16W	R808R9330J
R7044	RC	10KOHM 1/16W	R808R9103F
R7045	RC	3.3KOHM 1/16W	R808R9332J

R7046	RC	62KOHM 1/16W	R808R9623F
R7047	RC	330OHM 1/16W	R808R9331J
R7048	RC	330OHM 1/16W	R808R9331J
R7049	RC	11KOHM 1/16W	R808R9113J
R7050	RC	11KOHM 1/16W	R808R9113J
R7051	RC	10KOHM 1/16W	R808R9103F
R7052	RC	3.3KOHM 1/16W	R808R9332J
R7053	RC	62KOHM 1/16W	R808R9623F
R7054	RC	10KOHM 1/16W	R808R9103J
R7055	RC	10KOHM 1/16W	R808R9103J
R7056	RC	56KOHM 1/16W	R808R9563J
R7057	RC	56KOHM 1/16W	R808R9563J
R7058	RC	4.7KOHM 1/16W	R808R9472J
R7059	RC	4.7KOHM 1/16W	R808R9472J
R7060	RC	4.7KOHM 1/16W	R808R9472J
R7062	RC	22OHM 1/16W	R808R9220J
R7063	RC	22OHM 1/16W	R808R9220J
R7064	RC	22OHM 1/16W	R808R9220J
R7065	RC	4.7KOHM 1/16W	R808R9472J
R7067	RC	110OHM 1/16W	R808R9111J
R7068	RC	110OHM 1/16W	R808R9111J
R7077	RC	1MOHM 1/16W	R808R9105J
R7079	RC	3.3KOHM 1/16W	R808R9332J
R7080	RC	4.7KOHM 1/16W	R808R9472J
R7081	RC	22OHM 1/16W	R808R9220J
R7082	RC	22OHM 1/16W	R808R9220J
R7085	RC	100OHM 1/16W	R808R9101J
R8062	RC	10KOHM 1/16W	R803R9103J
R8063	RC	10KOHM 1/16W	R803R9103J

*** CAPACITORS ***

C501	CMPP	0.22UF 310V	P4K12D224K
------	------	-------------	------------

C502	CC	0.0012UF50V B	CS0PB04B3K
C503	CC	330PF 50V CH	CS0PCH4L2J
C504	CC	10PF 50V CH	CS0PCH411D
C505	CC	470PF 250V E	CE39E0MQ2K
C506	CMPP	0.22UF 310V	P4K12D224K
C507	CC	0.001UF 250V E	CE39E0M13M
C508	CC	0.1UF 50V B	CS0PB0415K
C509	CC	220PF 2KV R	C0PLRR7H2K
C510	CE	180UF 250V	E8EDFD181D
C511	CC	470PF 250V E	CE39E0MQ2K
C512	CE	47UF 50V	E8E2U5470D
C513	CC	220PF 2KV R	C0PLRR7H2K
C514	CMPP	0.022UF 400	P4NBE4223J
C518	CC	0.001UF 50V B	CS0PB0413K
C519	CC	0.082UF 25V B	CS0PB03W4K
C520	CE	1000UF 25V	E8E1F3102M
C522	CE	1000UF 25V	E8E1F3102M
C523	CMPL	0.39UF 100V TF	P611T1394J
C525	CE	100UF 35V	E8E1U4101M
C529	CC	0.1UF 50V B	CS0PB0415K
C530	CC	0.1UF 50V B	CS0PB0415K
C533	CC	0.01UF 50V B	CS0PB0414K
C534	CE	100UF 35V	E8E1U4101M
C535	CC	0.001UF 250V E	CE39E0M13M
C601	CC	0.01UF 50V B	CS0PB0414K
C651	CC	0.01UF 50V B	CS0PB0414K
C652	CC	0.01UF 50V B	CS0PB0414K
C701	CC	100PF 50V CH	CS0UCH412J
C1701	CC	10UF 25V B	CS0SB0317K
C1702	CC	10UF 25V B	CS0SB0317K
C1703	CC	0.1UF 10V B	CS0UB0N15K
C1704	CC	0.1UF 25V B	CS0UB0315K
C1705	CC	0.1UF 25V B	CS0PB0315K

C1707	CC	10UF 10V B	CS0RB0N17K
C1708	CC	10UF 10V B	CS0RB0N17K
C1709	CC	0.1UF 10V B	CS0UB0N15K
C1710	CC	10UF 10V B	CS0RB0N17K
C1721	CC	10UF 25V B	CS0SB0317K
C1722	CC	10UF 25V B	CS0SB0317K
C1723	CC	0.1UF 10V B	CS0UB0N15K
C1724	CC	0.1UF 25V B	CS0UB0315K
C1725	CC	0.1UF 25V B	CS0PB0315K
C1727	CC	10UF 25V B	CS0SB0317K
C1728	CC	10UF 25V B	CS0SB0317K
C1729	CC	0.1UF 10V B	CS0UB0N15K
C1730	CC	10UF 25V B	CS0SB0317K
C1731	CC	10UF 25V B	CS0SB0317K
C1732	CC	10UF 25V B	CS0SB0317K
C1733	CC	0.1UF 10V B	CS0UB0N15K
C1734	CC	0.1UF 25V B	CS0UB0315K
C1735	CC	0.1UF 25V B	CS0PB0315K
C1737	CC	10UF 10V B	CS0RB0N17K
C1738	CC	10UF 10V B	CS0RB0N17K
C1739	CC	0.1UF 10V B	CS0UB0N15K
C1740	CC	10UF 10V B	CS0RB0N17K
C1741	CC	10UF 25V B	CS0SB0317K
C1742	CC	10UF 25V B	CS0SB0317K
C1743	CC	0.1UF 10V B	CS0UB0N15K
C1744	CC	0.1UF 25V B	CS0UB0315K
C1745	CC	0.1UF 25V B	CS0PB0315K
C1747	CC	10UF 10V B	CS0RB0N17K
C1748	CC	10UF 10V B	CS0RB0N17K
C1749	CC	0.1UF 10V B	CS0UB0N15K
C1750	CC	10UF 10V B	CS0RB0N17K
C1751	CC	10UF 10V B	CS0RB0N17K
C1752	CC	1UF 10V B	CS0PB0N16K

C1753	CC	10UF 10V B	CS0RB0N17K
C1754	CC	0.1UF 10V B	CS0UB0N15K
C1756	CC	10UF 10V B	CS0RB0N17K
C1763	CC	10UF 10V B	CS0RB0N17K
C1764	CC	0.1UF 10V B	CS0UB0N15K
C1765	CC	10UF 10V B	CS0RB0N17K
C1766	CC	0.1UF 10V B	CS0UB0N15K
C1767	CC	0.0022UF50V B	CS0UB04H3K
C1768	CC	0.0022UF50V B	CS0UB04H3K
C1769	CC	0.0022UF50V B	CS0UB04H3K
C1770	CC	1UF 6.3V B	CS0UB0P16K
C1771	CC	1UF 50V B	CS0RB0416K
C1772	CC	10UF 10V B	CS0RB0N17K
C1773	CC	22UF 6.3V B	CS0RB0PH7M
C1774	CC	22UF 6.3V B	CS0RB0PH7M
C1775	CC	10UF 10V B	CS0RB0N17K
C1776	CC	10UF 10V B	CS0RB0N17K
C1777	CC	10UF 16V B	CS0RB0217K
C1778	CC	0.1UF 10V B	CS0UB0N15K
C1779	CC	10UF 10V B	CS0RB0N17K
C1780	CC	0.1UF 10V B	CS0UB0N15K
C1781	CC	4.7UF 6.3V B	CS0PB0PQ6K
C1782	CC	0.1UF 10V B	CS0UB0N15K
C1783	CC	4.7UF 16V B	CS0RB02Q6K
C1784	CC	0.1UF 10V B	CS0UB0N15K
C1785	CC	4.7UF 6.3V B	CS0PB0PQ6K
C1786	CC	0.1UF 10V B	CS0UB0N15K
C1787	CC	1UF 10V B	CS0PB0N16K
C1788	CC	0.1UF 10V B	CS0UB0N15K
C1789	CC	1UF 10V B	CS0PB0N16K
C1790	CC	10UF 10V B	CS0RB0N17K
C1791	CC	0.001UF 50V B	CS0UB0413K
C1792	CC	4.7UF 16V B	CS0RB02Q6K

C1793	CC	0.1UF 10V B	CS0UB0N15K
C1794	CC	10UF 10V B	CS0RB0N17K
C1795	CC	0.001UF 50V B	CS0UB0413K
C1796	CC	4.7UF 6.3V B	CS0PB0PQ6K
C1797	CC	0.1UF 10V B	CS0UB0N15K
C1798	CC	10UF 10V B	CS0RB0N17K
C1799	CC	0.001UF 50V B	CS0UB0413K
C1800	CC	4.7UF 6.3V B	CS0PB0PQ6K
C1801	CC	0.1UF 10V B	CS0UB0N15K
C1802	CC	1UF 25V B	CS0PB0316K
C1803	CC	0.1UF 10V B	CS0UB0N15K
C1804	CC	0.1UF 10V B	CS0UB0N15K
C1805	CC	0.1UF 10V B	CS0UB0N15K
C1806	CC	0.022UF 25V B	CS0UB03H4K
C1807	CC	0.0039UF250V UJ	CS3SUJSN3J
C1808	CE	1UF 50V	E8E2U5010D
C1809	CE	22UF 50V	E8E2U5220D
C1810	CC	10UF 25V B	CS0SB0317K
C1811	CC	10UF 25V B	CS0SB0317K
C1812	CC	0.1UF 25V B	CS0PB0315K
C1813	CC	0.1UF 50V B	CS0PB0415K
C1814	CC	0.001UF 50V B	CS0UB0413K
C1815	CC	10UF 10V B	CS0RB0N17K
C1818	CC	10UF 16V B	CS0RB0217K
C1830	CC	1UF 25V B	CS0PB0316K
C2008	CC	0.1UF 10V B	CS0UB0N15K
C2009	CC	0.1UF 10V B	CS0UB0N15K
C2010	CC	0.1UF 10V B	CS0UB0N15K
C2011	CC	0.1UF 10V B	CS0UB0N15K
C2012	CC	0.1UF 10V B	CS0UB0N15K
C2013	CC	0.1UF 10V B	CS0UB0N15K
C2014	CC	0.22UF 50V B	CS0RB04H5K
C2015	CC	0.22UF 50V B	CS0RB04H5K

C2016	CC	0.1UF 50V B	CS0PB0415K
C2017	CC	0.1UF 50V B	CS0PB0415K
C2018	CC	0.1UF 50V B	CS0PB0415K
C2019	CC	0.1UF 50V B	CS0PB0415K
C2020	CC	1UF 25V B	CS0PB0316K
C2021	CC	1UF 25V B	CS0PB0316K
C2022	CC	1UF 25V B	CS0PB0316K
C2023	CC	1UF 25V B	CS0PB0316K
C2024	CE	470UF 25V	E7EST3471M
C2025	CE	470UF 25V	E7EST3471M
C2026	CC	0.1UF 10V B	CS0UB0N15K
C2027	CC	4.7UF 6.3V B	CS0PB0PQ6K
C2028	CC	0.1UF 10V B	CS0UB0N15K
C2029	CC	10UF 10V B	CS0RB0N17K
C2030	CC	10UF 10V B	CS0RB0N17K
C2031	CC	10UF 10V B	CS0RB0N17K
C2032	CC	10UF 10V B	CS0RB0N17K
C2033	CC	10UF 10V B	CS0RB0N17K
C2035	CC	120PF 50V CH	CS0UCH4B2J
C2038	CC	120PF 50V CH	CS0UCH4B2J
C2040	CC	10UF 16V B	CS0RB0217K
C2042	CE	470UF 16V	E7EST2471M
C2043	CE	470UF 16V	E7EST2471M
C2044	CC	10UF 10V B	CS0RB0N17K
C2045	CC	10UF 10V B	CS0RB0N17K
C2047	CC	10UF 16V B	CS0RB0217K
C2048	CC	10UF 10V B	CS0RB0N17K
C2050	CC	10UF 10V B	CS0RB0N17K
C2051	CC	680PF 50V CH	CS0UCH4U2J
C2053	CC	150PF 50V CH	CS0UCH4E2J
C2054	CC	100PF 50V CH	CS0UCH412J
C2056	CC	68PF 50V CH	CS0UCH4U1J
C2057	CC	68PF 50V CH	CS0UCH4U1J

C2058	CC	0.1UF 10V B	CS0UB0N15K
C2059	CC	1UF 10V B	CS0PB0N16K
C2079	CC	0.01UF 25V B	CS0UB0314K
C2080	CC	0.0047UF50V B	CS0UB04Q3K
C2081	CC	1UF 25V B	CS0PB0316K
C2084	CC	1UF 25V B	CS0PB0316K
C2086	CC	0.001UF 50V B	CS0PB0413K
C2087	CC	0.001UF 50V B	CS0UB0413K
C2088	CC	0.001UF 50V B	CS0UB0413K
C2093	CC	22PF 50V CH	CS0UCH4H1J
C2095	CC	1UF 10V B	CS0PB0N16K
C2301	CC	10UF 10V B	CS0RB0N17K
C2302	CC	0.1UF 10V B	CS0UB0N15K
C2303	CC	0.1UF 10V B	CS0UB0N15K
C2304	CE	100UF 10V	E964M1101D
C2305	CC	0.1UF 10V B	CS0UB0N15K
C2306	CC	0.1UF 10V B	CS0UB0N15K
C2312	CC	10UF 10V B	CS0RB0N17K
C2313	CC	0.1UF 10V B	CS0UB0N15K
C2314	CC	0.1UF 10V B	CS0UB0N15K
C2315	CE	100UF 6.3V	E70QU0101M
C2316	CE	100UF 10V	E964M1101D
C2317	CE	100UF 10V	E964M1101D
C2318	CC	100PF 50V CH	CS0PCH412J
C3001	CC	0.027UF 50V B	CS0PB04K4K
C3002	CC	0.1UF 10V B	CS0UB0N15K
C3003	CC	22PF 50V CH	CS0UCH4H1J
C3004	CC	22PF 50V CH	CS0UCH4H1J
C3005	CC	8PF 50V CH	CS0UCH480D
C3006	CC	7PF 50V CH	CS0UCH470C
C3007	CC	0.1UF 10V B	CS0UB0N15K
C3008	CC	0.1UF 10V B	CS0UB0N15K
C3009	CC	0.1UF 10V B	CS0UB0N15K

C3010	CC	0.01UF 25V B	CS0UB0314K
C3011	CE	0.1F 5.5V	E55XTP104Z
C3012	CC	0.1UF 10V B	CS0UB0N15K
C3013	CC	0.001UF 50V B	CS0UB0413K
C3014	CC	0.1UF 10V B	CS0UB0N15K
C3015	CC	470PF 50V CH	CS0UCH4Q2J
C3016	CC	0.1UF 10V B	CS0UB0N15K
C3032	CC	0.1UF 10V B	CS0UB0N15K
C3033	CC	0.47UF 6.3V B	CS0UB0PQ5K
C3034	CC	0.47UF 6.3V B	CS0UB0PQ5K
C3037	CC	0.01UF 16V B	CS0UB0214K
C4001	CC	0.1UF 10V B	CS0UB0N15K
C4002	CC	0.1UF 10V B	CS0UB0N15K
C4003	CC	0.1UF 10V B	CS0UB0N15K
C4004	CC	0.01UF 16V B	CS0UB0214K
C4005	CC	0.01UF 16V B	CS0UB0214K
C4006	CC	0.1UF 10V B	CS0UB0N15K
C4007	CC	0.1UF 10V B	CS0UB0N15K
C4008	CC	0.01UF 16V B	CS0UB0214K
C4009	CC	0.1UF 10V B	CS0UB0N15K
C4010	CE	220UF 6.3V	E964M0221D
C4016	CC	1UF 6.3V B	CS0UB0P16K
C4017	CC	10UF 10V B	CS0RB0N17K
C4018	CC	0.1UF 10V B	CS0UB0N15K
C4019	CE	220UF 6.3V	E964M0221D
C4020	CC	4.7UF 6.3V B	CS0RB0PQ6K
C4021	CC	10UF 16V B	CS0RB0217K
C4022	CC	0.0068UF25V B	CS0UB03U3K
C4023	CE	100UF 6.3V	E66UM0101D
C4024	CC	1UF 6.3V B	CS0UB0P16K
C4025	CC	0.1UF 10V B	CS0UB0N15K
C4026	CC	0.1UF 10V B	CS0UB0N15K
C4028	CC	100PF 50V CH	CS0UCH412J

C4030	CC	0.1UF 10V B	CS0UB0N15K
C4031	CC	0.1UF 10V B	CS0UB0N15K
C4032	CC	0.1UF 10V B	CS0UB0N15K
C4033	CC	0.1UF 10V B	CS0UB0N15K
C4034	CC	0.1UF 10V B	CS0UB0N15K
C4035	CC	0.01UF 50V B	CS0UB0414K
C4036	CC	100PF 50V CH	CS0UCH412J
C4037	CC	100PF 50V CH	CS0UCH412J
C4038	CE	1000UF 6.3V	E76EM0102D
C4039	CC	10UF 10V B	CS0RB0N17K
C4040	CC	10UF 10V B	CS0RB0N17K
C4041	CC	0.1UF 10V B	CS0UB0N15K
C4042	CC	0.1UF 10V B	CS0UB0N15K
C4043	CC	270PF 50V CH	CS0UCH4K2J
C4044	CC	270PF 50V CH	CS0UCH4K2J
C4045	CC	0.1UF 10V B	CS0UB0N15K
C4046	CC	0.1UF 10V B	CS0UB0N15K
C4047	CC	0.015UF 25V B	CS0UB03E4K
C4048	CC	4.7UF 6.3V B	CS0RB0PQ6K
C4049	CC	0.1UF 10V B	CS0UB0N15K
C4050	CC	0.1UF 10V B	CS0UB0N15K
C4051	CC	27PF 50V CH	CS0UCH4K1J
C4052	CC	33PF 50V CH	CS0UCH4L1J
C4057	CC	1UF 10V B	CS0UB0N16K
C4058	CC	0.1UF 10V B	CS0UB0N15K
C4059	CC	0.1UF 10V B	CS0UB0N15K
C4060	CC	10UF 10V B	CS0RB0N17K
C4061	CC	10UF 10V B	CS0RB0N17K
C5029	CC	3PF 50V CH	CS0UCH430C
C5030	CC	0.47UF 6.3V B	CS0UB0PQ5K
C5031	CC	100PF 50V CH	CS0UCH412J
C5034	CC	0.1UF 16V B	CS0PB0215K
C5035	CC	0.1UF 16V B	CS0PB0215K

C5036	CC	10PF 50V CH	CS0UCH411J
C5038	CC	3PF 50V CH	CS0UCH430C
C5042	CC	10UF 6.3V B	CS0PB0P17M
C5043	CE	100UF 6.3V	E70QU0101M
C5044	CC	3PF 50V CH	CS0UCH430C
C5045	CC	3PF 50V CH	CS0UCH430C
C5048	CC	10PF 50V CH	CS0UCH411J
C5049	CC	0.022UF 25V B	CS0UB03H4K
C5052	CC	0.1UF 16V B	CS0UB0215K
C5053	CC	2PF 50V CH	CS0UCH420C
C6001	CC	100PF 50V CH	CS0UCH412J
C6002	CC	39PF 50V CH	CS0UCH4N1J
C6003	CC	0.1UF 10V B	CS0UB0N15K
C6004	CC	10UF 10V B	CS0RB0N17K
C6005	CC	10UF 50V B	CS0SB0417M
C6006	CE	10UF 50V	E70QU5100M
C6007	CE	10UF 50V	E70QU5100M
C6009	CE	47UF 6.3V	E70QU0470M
C6010	CC	0.1UF 10V B	CS0UB0N15K
C6011	CC	33PF 50V CH	CS0UCH4L1J
C6012	CC	1UF 10V B	CS0PB0N16K
C6601	CC	0.1UF 10V B	CS0UB0N15K
C6602	CC	0.1UF 10V B	CS0UB0N15K
C6603	CC	0.1UF 10V B	CS0UB0N15K
C6604	CC	0.1UF 10V B	CS0UB0N15K
C6605	CC	27PF 50V CH	CS0UCH4K1J
C6606	CC	27PF 50V CH	CS0UCH4K1J
C6607	CC	10UF 10V B	CS0RB0N17K
C6608	CC	0.1UF 10V B	CS0UB0N15K
C6609	CC	0.1UF 10V B	CS0UB0N15K
C6622	CC	0.1UF 10V B	CS0UB0N15K
C6637	CC	0.1 UF 10V B	CS0UB0N15K
C6688	CC	0.001 UF 50V B	CS0UB0413K

C7026	CC	10 UF 10V B	CS0RB0N17K
C7027	CC	10 UF 10V B	CS0RB0N17K
C7032	CC	2.2 UF 10V B	CS0PB0NH6K
C7033	CC	0.1 UF 10V B	CS0UB0N15K
C7034	CC	0.1 UF 10V B	CS0UB0N15K
C7041	CC	68 PF 50V CH	CS0UCH4U1J
C7042	CC	330 PF 50V CH	CS0UCH4L2J
C7043	CC	10 UF 16V B	CS0RB0217K
C7044	CC	68 PF 50V CH	CS0UCH4U1J
C7045	CC	330 PF 50V CH	CS0UCH4L2J
C7046	CC	0.1 UF 10V B	CS0UB0N15K
C7049	CC	10 UF 16V B	CS0RB0217K
C7050	CC	10 UF 16V B	CS0RB0217K
C7053	CC	470 PF 50V CH	CS0UCH4Q2J
C7054	CC	470 PF 50V CH	CS0UCH4Q2J
C7055	CC	0.001 UF 50V B	CS0UB0413K
C7056	CC	0.001 UF 50V B	CS0UB0413K
C7057	CC	0.1 UF 10V B	CS0UB0N15K
C7058	CC	10 UF 10V B	CS0RB0N17K
C7059	CC	10 UF 10V B	CS0RB0N17K
C7070	CC	5 PF 50V CH	CS0UCH450C
C7071	CC	5 PF 50V CH	CS0UCH450C
C7072	CC	0.1 UF 10V B	CS0UB0N15K
C8051	CC	0.022 UF 25V B	CS0UB03H4K
C8052	CC	0.022 UF 25V B	CS0UB03H4K

*** SEMICONDUCTORS ***

D501	DIODE,ZENER	MTZJ12B T-77	D97U01201B
D502	DIODE VARISTA	S14K385E2S5M4	D7KZ385E20
D504	DIODE SILICON	1N4006-A5	D4CTN40060
D505	DIODE SILICON	1F5	D4JX001F50
D506	DIODE,ZENER	MTZJ33B T-77	D97U03301B

D507	DIODE,BRIDGE	D3SB80-7101	D2ZZ3SB800
D508	DIODE ZENER	MTZJ22B T-77	D97U02201B
D509	DIODE,ZENER	MTZJ33B T-77	D97U03301B
D510	DIODE,ZENER	MTZJ33B T-77	D97U03301B
D511	DIODE SILICON	1F5	D4JX001F50
D512	DIODE SILICON	SARS02-LFB2	D2BFARS020
D513	DIODE SILICON	FCF10A20	D28A10A200
D514	DIODE SILICON	FCF10A20	D28A10A200
D515	DIODE SCHOTTKY BARRIER	KDR357-RTK/P	DDARDR3570
D516	DIODE SCHOTTKY	EC11FS4-TE12L	D28R11FS40
D517	DIODE,ZENER	MTZJ33B T-77	D97U03301B
D519	DIODE ZENER	UDZSNP30B TE-17	DE7RB3002B
D520	DIODE SCHOTTKY BARRIER	KDR357-RTK/P	DDARDR3570
D521	DIODE,ZENER	MTZJ27B T-77	D97U02701B
D1707	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1708	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1709	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1710	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1711	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1712	DIODE SCHOTTKY BARRIER	KDR730E-RTK/P	DDARR730E0
D1713	DIODE SCHOTTKY	RB056L-40TE25	D27RB056L0
D1717	DIODE SCHOTTKY	SMAB34	D2ARMAB340
D1718	DIODE SCHOTTKY	SMAB34	D2ARMAB340
D1722	DIODE ZENER	UDZSNP5.1B TE-17	DE7RB5R12B
D1723	DIODE SILICON	LMBD3004SLT1G	DGNR030040
D1724	DIODE SILICON	LMBD3004SLT1G	DGNR030040
D1725	DIODE SCHOTTKY	SMAB34	D2ARMAB340
D1726	DIODE SCHOTTKY	SMAB34	D2ARMAB340
D2001	DIODE SILICON	DA2J10100L	DD1R0100L0
D2002	DIODE SILICON	DA2J10100L	DD1R0100L0
D2003	DIODE SILICON	DA2J10100L	DD1R0100L0
D2004	DIODE SILICON	DA2J10100L	DD1R0100L0
D2005	DIODE SILICON	DA2J10100L	DD1R0100L0

D2006	DIODE SILICON	DA2J10100L	DD1R0100L0
D2007	DIODE SILICON	DA2J10100L	DD1R0100L0
D2008	DIODE SILICON	DA2J10100L	DD1R0100L0
D2301	DIODE SILICON	DA2J10100L	DD1R0100L0
D2302	DIODE SILICON	DA2J10100L	DD1R0100L0
D3001	DIODE SCHOTTKY BARRIER	BAT54WS	DGJRT54WS0
D3010	DIODE SCHOTTKY BARRIER	BAT54WS	DGJRT54WS0
D3011	DIODE SCHOTTKY BARRIER	BAT54WS	DGJRT54WS0
D3012	DIODE SCHOTTKY BARRIER	BAT54WS	DGJRT54WS0
D5002	DIODE VARISTA	EZJZ0V80010	D61R0V8001
D5004	DIODE VARISTA	EZJZ0V80010	D61R0V8001
D6603	DIODE VARISTA	AVRL161A1R1NT	D77R1A1R10
D6604	DIODE VARISTA	AVRL161A1R1NT	D77R1A1R10
D7001	DIODE VARISTA	EZJZ0V80010	D61R0V8001
D7002	DIODE VARISTA	EZJZ0V80010	D61R0V8001
IC501	POWER IC CONTROL	FA5640N-D1-TE1	ICAJ056400
IC502	VARIABLE SHUNT REGULATOR TAPE	KIA431A-AT	I1KJ9A431A
IC503	PHOTO COUPLER	PS2561AL1-1-V(W)	000220002W
IC1701	3A STEP DOWN DC/DC CONVERTER	NR885K-TL	I0BF008850
IC1703	3A STEP DOWN DC/DC CONVERTER	NR885K-TL	I0BF008850
IC1704	3A STEP DOWN DC/DC CONVERTER	NR885K-TL	I0BF008850
IC1705	3A STEP DOWN DC/DC CONVERTER	NR885K-TL	I0BF008850
IC1706	VIN=2.4V-5.5V POWER SWITCH	AAT4614IGU-2-T1	ILEF046140
IC1709	REGULATOR 3.3V	RP131K331D-TR	I1ZF9K3310
IC1710	REGULATOR VO=1.25V 1A 0.88W	RP131K121D5-TR	I1ZF91K120
IC1711	REGULATOR 5.0V	RP131K501D-TR	I1ZF9K5010
IC1712	REGULATOR 3.3V	RP131K331D-TR	I1ZF9K3310
IC1713	REGULATOR 1.8V	RP131K181D-TR	I1ZF9K1810
IC1714	REGULATOR 5.0V	RP131K501D-TR	I1ZF9K5010
IC1715	3A STEP DOWN DC/DC CONVERTER	LV5990ML-TLM-H	I53F059900
IC2001	SPR-1 FM AMP+DSP	YSS951-SZE2	I5FK009510
IC2002	DIGITAL POWER AMP 20W C.VER	YDA163C-SZE2	I0YQP163C0

IC2004	DUAL OPEAMP	NJM4565M(TE1)	I0QF045650
IC2005	DUAL OPEAMP	NJM4565M(TE1)	I0QF045650
IC2301	5CH MOTOR DRIVER IC	SA5888TR	I1UFV5888S
IC3001	MEMORY DATA 192K/12K SINGLE CHIP MICON	M3030SFEPGP	S11512AM01
IC3002	RESET IC 2.9V DILAY TYPE	R3112N291A-TR-FA	IE1F0291A0
IC3003	EEPROM 4K 12C	S-24CS04AFJ-TB-GE	I5HJ0S04A0
IC3005	20PIN APPLE AUTHENTICATION IC	341S2164-TBB	ILGN0S2160
IC4001	DVD MPEG 128PIN MEDIATEK	MT1389QE/J-L	IC8K0389JQ
IC4002	SDRAM(64M)EM638165TS-6G(70NM)	EM638165TS-6G(70NM)	IG2J08165G
IC4003	MEMORY DATA 16MBIT FLASH 100MHZ	EN25Q16-100HIP	S11505AF01
IC5001	AM/FM/RDS/RBDS RADIO RECEIVER	SI4731-D60-GM	IN1NN31GM0
IC6001	FIP DRIVER IC 64PIN-QFP	ML9208-11GAZ03A-7	I59K092080
IC6601	IPOD/USB CONTROL W/RAM B.VER	BU94604BKV-E2	I07Q09460B
IC7001	A/V SW 2IN 1OUT	TC7PA53FU(T5L,F,T)	I55F0A53FU
IC7002	A/D CONVERTER	AK5358A	IC1J053580
IC7004	DUAL OPEAMP	NJM4565M(TE1)	I0QF045650
IC7006	AUDIO DAC 2CH 24BIT 192KHZ	PCM1742KE/2K	I17F042KE0
IC7007	20PIN LOW VOLTAGE BUS BUFFER	TC74LCX244FT(EL,K)	I55J0X2440
Q501	FET	STF10NK50Z	TJXG10NK50
Q502	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q503	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q701	FET	2SK3541_T2L	T27T035410
Q702	FET	2SK3541_T2L	T27T035410
Q1707	TRANSISTOR SILICON	KTA1544T-RTK/P	TAAA1544T0
Q1708	COMPOUND TRANSISTOR	KRC101S-RTK	TNAAA05001
Q1709	TRANSISTOR SILICON	KTC3875S_Y_RTK	TCAA3875SY
Q1716	FET	SI3443CDV-T1-GE3	TK9A3443C0
Q1717	COMPOUND TRANSISTOR	KRC101S-RTK	TNAAA05001
Q1718	COMPOUND TRANSISTOR	KRC101S-RTK	TNAAA05001
Q1720	COMPOUND TRANSISTOR	KRC101S-RTK	TNAAA05001
Q1721	FET	SI3443CDV-T1-GE3	TK9A3443C0
Q1722	FET	KMA2D4P20SA-RTK/P	TJAMD4P200

Q1723	TRANSISTOR SILICON	2SC5734_TL	T87M5734T0
Q1724	TRANSISTOR SILICON	2SC5734_TL	T87M5734T0
Q1727	COMPOUND TRANSISTOR	KRC102SR TK	TNAAB05003
Q1730	FET	SI3443CDV-T1-GE3	TK9A3443C0
Q2001	COMPOUND TRANSISTOR	KRC407-RTK/P	TNAAF05001
Q2002	COMPOUND TRANSISTOR	KRC407-RTK/P	TNAAF05001
Q2003	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q2004	TRANSISTOR SILICON	2SD1306NETL-E-Q	TQAAD1306E
Q2009	TRANSISTOR SILICON	KTC2875-B-RTK/P	TCAA02875B
Q2010	TRANSISTOR SILICON	KTC2875-B-RTK/P	TCAA02875B
Q2011	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q2012	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q2013	COMPOUND TRANSISTOR	KRC101S-RTK	TNAAA05001
Q2015	TRANSISTOR SILICON	KTA1504S_Y_RTK	TAAA1504SY
Q2016	TRANSISTOR SILICON	KTC3875S_Y_RTK	TCAA3875SY
Q2017	TRANSISTOR SILICON	KTC3875S_Y_RTK	TCAA3875SY
Q2018	COMPOUND TRANSISTOR	KRC103SR TK	TNAAC05002
Q2301	COMPOUND TRANSISTOR	HN1A01FU-GR(L,F,T)	TS5M000079
Q2302	COMPOUND TRANSISTOR	HN1A01FU-GR(L,F,T)	TS5M000079

*** COILS & TRANSFORMERS ***

L501	COIL,LINE FILTER	JLB28120	029B000185
L502	COIL	10 UH	021D0N100M
L503	COIL	10 UH	02167E100K
L1701	COIL	10 UH	021AMG100M
L1703	COIL	10 UH	021AMG100M
L1704	COIL	10 UH	021AMG100M
L1705	COIL	10 UH	021AMG100M
L1706	COIL	10 UH	021AMG100M
L1708	COIL	1 MH	0212MQ102M
L1709	COIL	4.7 UH	0216MM4R7M
L1710	COIL	4.7 UH	0216MM4R7M

L1711	COIL	4.7 UH	0216MM4R7M
L1712	COIL	4.7 UH	0216MM4R7M
L1713	COIL	4.7 UH	0216MM4R7M
L1714	COIL	4.7 UH	0216MM4R7M
L2001	COIL	15 UH	0218MG150P
L2002	COIL	15 UH	0218MG150P
L2003	COIL	15 UH	0218MG150P
L2004	COIL	15 UH	0218MG150P
L5001	COIL	AJL0431RS1	030640S01N
L5004	COIL	0.12 UH	021AMLR12J
L5005	COIL	0.033 UH	021AML33NJ
L6605	COIL CHOKE	DLP11SN900HL2L	02DA000124
L8051	COIL	12 UH	0216ML120J
L8052	COIL	12 UH	0216ML120J
T501	TRANSFORMER,SWITCHING	81291654	0481291654
T1701	TRANSFORMER,SWITCHING	8103033P	048103033P
*** JACK & CONNECTORS ***			
J501	JACK,AC	CCT2302-1372FC	064Q2A0007
J2001	RCA JACK	AV-53-05Z1	060K401160
J2002	JACK	PTB-403V-01	063Y100109
J5001	CONNECTOR PCB SIDE	FG-01-1	06K6910002
J6601	RCA JACK	AV-53-22Z1	060K401159
J7001	RCA JACK	AV2-67A03-02Z1	060K431054
J8051	HEADPHONE JACK	PJ-3591	060R131039
*** SWITCHES ***			
SW601	SWITCH,TACT	EVQ21505R	0504101T34
SW651	SWITCH,TACT	EVQ21505R	0504101T34
SW652	SWITCH,TACT	EVQ21505R	0504101T34

SW653	SWITCH,TACT	EVQ21505R	0504101T34
SW654	SWITCH,TACT	EVQ21505R	0504101T34
SW655	SWITCH,TACT	EVQ21505R	0504101T34
SW656	SWITCH,TACT	EVQ21505R	0504101T34
SW657	SWITCH,TACT	EVQ21505R	0504101T34
SW658	SWITCH,TACT	EVQ21505R	0504101T34
*** MISCELLANEOUS ***			
B501	CORE,BEADS	BL02RN1R2N1A	024AT03484
B1701	CORE,BEADS	FCM1608KF-102T02	024HC51023
B2001	CORE,BEADS	FCM1608KF-102T02	024HC51023
B2002	CORE,BEADS	FCM1608KF-102T02	024HC51023
B4001	CORE,BEADS	FCM1608KF-102T02	024HC51023
B4002	CORE,BEADS	FCM1608KF-102T02	024HC51023
B4003	CORE,BEADS	FCM1608KF-102T02	024HC51023
B4004	CORE,BEADS	FCM1608KF-102T02	024HC51023
B5001	CORE,BEADS	FCM1608KF-601T02	024HC56013
B5002	CORE,BEADS	FCM1608KF-601T02	024HC56013
B6001	CORE,BEADS	FCM1608KF-102T02	024HC51023
B6601	CORE,BEADS	FCM1608KF-102T02	024HC51023
B6602	CORE,BEADS	FCM1608KF-102T02	024HC51023
B7001	CORE,BEADS	FCM1608KF-102T02	024HC51023
B7002	CORE,BEADS	FCM1608KF-102T02	024HC51023
B7003	CORE,BEADS	FCM1608KF-102T02	024HC51023
B7005	CORE,BEADS	FCM1608KF-601T02	024HC56013
CD502	CORD CONNECTOR	CH2E3506	06CH2E3506
CP601	CONNECTOR PCB SIDE	A2001WR2-2P	069S220639
CP651	CONNECTOR PCB SIDE	A2001WR2-3P	069S230639
CP701	CONNECTOR PCB SIDE	MFI514S0117	06GUYUT028
CP702	CONNECTOR PCB SIDE	04_6232_114_103_800+	069EVET070
CD1702	CORD CONNECTOR	EA261903	06EA261903

CD3001	CORD CONNECTOR	EA251801	06EA251801
CD3002	CORD CONNECTOR	EA284702	06EA284702
CD6601	CORD JUMPER	C40E0801	12C40E0801
CP1701	CONNECTOR PCB SIDE	A2001WV-14A	06GG2E0029
CP1703	CONNECTOR PCB SIDE	A2001WV-6A	06GG260029
CP2003	CONNECTOR PCB SIDE	A2001WV-4A	06GG240029
CP2301	CONNECTOR PCB SIDE	04_6232_122_103_800+	069EVMT070
CP2302	CONNECTOR PCB SIDE	04_6232_108_103_800+	069EV8T070
CP3003	CONNECTOR PCB SIDE	04_6232_110_103_800+	069EVAT070
CP3005	CONNECTOR PCB SIDE	A2001WR-8A	06GG280019
CP3006	CONNECTOR PCB SIDE	A2001WR-5A	06GG250019
CP5001	CONNECTOR PCB SIDE	A2501WD02	06L1120019
CP6002	CONNECTOR PCB SIDE	1.5T-2-WT-8A	06GY98T019
CP6003	CONNECTOR PCB SIDE	A2001WR-6A	06GG260019
CP6602	CONNECTOR PCB SIDE	04_6232_114_103_800+	069EVET070
CP8052	CORD CONNECTOR	EA242902	06EA242902
EL2401	EYE LET	EYE LET XRY16X28BD	124116281A
EL2402	EYE LET	EYE LET XRY20X30BD	124120301A
F501	FUSE	392_1250_0440	080PT02502
F1701	IC PROTECTOR	1206FA1A-T	0845501001
F1702	IC PROTECTOR	1206FA1A-T	0845501001
NR2301	R,NETWORK	4D03WGJ04R7T5E	110P44R7M4
OS6002	REMOTE RECEIVER	KSM-2003TCW2P	077Q038009
SH501	TERMINAL PIN	YQ-36	126D000044
SH1701	TERMINAL PIN	TER21-0130V	126J000042
SH1703	TERMINAL PIN	TER21-0130V	126J000042
TH501	THERMISTOR	B57153S0479A001	DSVD8E4R7M

V6001	TUBE FLUORESCENT DISPLAY 14-ST-56GNK	14-ST-56GNK	0967C0R201
X3001	CRYSTAL	DT-26	100DA32R01
X3002	CRYSTAL	SMD-49	100DT01601
X4001	CRYSTAL	SMD-49 C27000J029	100GT02727
X6601	CRYSTAL	SMD-49	100GT01620
X7001	CRYSTAL	SMD-49	100DT02413

ONKYO

ONKYO SOUND & VISION CORPORATION

Technical Support, Service Dept.: 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 072-831-8023 Fax: 072-831-8163

ONKYO U.S.A. CORPORATION

18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.
Tel: 800-229-1687, 201-785-2600 Fax: 201-785-2650
<http://www.us.onkyo.com/>

ONKYO EUROPE ELECTRONICS GmbH

Liegnitzerstrasse 6, 82194 Groebenzell, GERMANY
Tel: +49-(0)8142 42 08 10 Fax: +49-8142-4401-555
<http://www.eu.onkyo.com/>

ONKYO EUROPE ELECTRONICS GmbH (UK BRANCH)

The Coach House 81A High Street, Marlow, Buckinghamshire, SL7 1AB, UK
Tel: +44-(0)1628-473-350 Fax: +44-(0)1628-401-700

ONKYO CHINA LIMITED

Unit 1033, 10/F, Star House, No 3, Salisbury Road, Tsim Sha Tsui Kowloon, Hong Kong.
Tel: 852-2429-3118 Fax: 852-2428-9039
<http://www.onkyochina.com/>