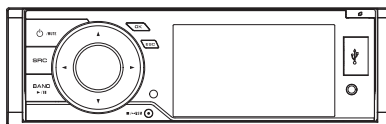


Pioneer

Service Manual



DVH-840AVBT/XEUW5

PROVISIONAL

CRT4804P

DVD AV RECEIVER

DVH-840AVBT /XEUW5

DVH-8480AVBT /XFBR



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SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

Where in a manufacturer's service documentation, for example in circuit diagrams or lists of components, a symbol is used to indicate that a specific component shall be replaced only by the component specified in that documentation for safety reasons, the following symbol shall be used:



● Safety Precautions for those who Service this Unit.

When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

1. During repair or tests, minimum distance of 13 cm from the focus lens must be kept.
2. During repair or tests, do not view laser beam for 10 seconds or longer.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

This product is a class 1 laser product, but this product contains a laser diode higher than Class 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

CLASS 1 LASER PRODUCT

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replaced only with the same or equivalent type recommended by the manufacturer.
Discard used batteries according to the manufacturer's instructions.

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1. SERVICE PRECAUTIONS

1.1 SERVICE PRECAUTIONS



1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
2. Be careful about an internal sharp edge.
3. Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.
4. Be careful in handling made from metal parts. There might be burr at the edge of it.
5. Two kinds of resetting are available
 - ① Turn over the Detach Panel and press RESET Button at Central Part.
Without entire initialization.
Microcomputer restarting (emergency resetting at function trouble) .
 - ② Perform [Default Setting] initialization in Setting
Perform product initialization except a part of items.
Please carry it out when updating software.
6. Any component parts in the CD Mechanism Unit of this model can not be supplied.
If you need to replace any parts in the CD Mechanism Unit, replace whole of CD Mechanism Unit.

1.2 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C.
Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
GYP1006 1.0 in dia.
GYP1007 0.6 in dia.
GYP1008 0.3 in dia.

2. SPECIFICATIONS

2.1 SPECIFICATIONS

• DVH-840AVBT/XEUW5

General

Rated power source: 14.4 V DC (allowable voltage range: 10.8 V to 15.1 V DC)
Preout maximum output level: 4.0 V
Maximum current consumption: 10.0 A
Backup current: 5 mA or less
Dimensions (W × H × D):
 Chassis 178 mm × 50 mm × 165 mm
 Nose 188 mm × 58 mm × 22 mm
Weight: 1.3 kg

Display

Screen size/aspect ratio: 3.5 inch wide/16:9 (effective display area: 76.32 mm × 42.82 mm)
Pixels: 320 × (RGB) × 234
Display method: TFT active matrix
Durable temperature range (power off) ... -20 °C to + 60 °C

DVD Player

System DVD video, Video CD, CD, WMA, MP3, DivX, JPEG system
Usable discs DVD video, Video CD, CD, CD-R/RW, DVD±R/RW/R DL
Region number 5 for Russia
Frequency response 20 Hz to 20 kHz (with DVD, at sampling frequency 96 kHz)
Signal-to-noise ratio 75 dB (1 kHz) (IEC-A network) (RCA level)
Output level:
 Video 1.0 Vp-p/75 Ω (±0.2 V)
Number of channels 2 (stereo)
MP3 decoding format MPEG-1 & 2 Audio Layer 3
WMA decoding format Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
DivX decoding format Home Theater Ver. 3, 4, 5.2, 6 (.avi, .divx)
DVD video output NTSC

Audio

Maximum power output: 50 W × 4
Continuous power output 22W × 4 (50 Hz to 15 000 Hz, 5%THD, 4 Ω load, both channels driven)
Load impedance: 4 Ω (4 Ω to 8 Ω (2 Ω for 1 ch) allowable)
Preout maximum output level 4.0 V
Equalizer (8-Band Graphic Equalizer):
 Frequency 40/80/200/400/1k/2.5k/8k/10 kHz
 Gain ±12 dB

A

Gain..... ±12 dB

HPF:

Frequency..... 50 Hz/63 Hz/80 Hz/100 Hz/125 Hz

Slope..... -12 dB/oct

Subwoofer (mono):

Frequency..... 50 Hz/63 Hz/80 Hz/100 Hz/125 Hz

Slope..... -18 dB/oct

Gain..... +6 dB to -24 dB

Phase..... Normal/Reverse

Bass boost:

Gain..... +12 dB to 0 dB

USB

B

USB standard specification: USB 1.1, USB 2.0 full speed

Maximum current supply 1000mA

File system: FAT16, FAT32

FM tuner

■

Frequency range: 87.5 MHz to 108.0 MHz)

Usable sensitivity..... 10 dBμ (S/N: 30 dB)

AM tuner

C

Frequency range: 531 kHz to 1 602 kHz (9 kHz)

..... 530 kHz to 1 640 kHz (10 kHz)

Usable sensitivity:..... 30 dBμ (S/N: 20 dB)

Bluetooth

Version Bluetooth 2.0 certified

Output power +4dBm Maximum(Power class 2)

■

Примечание:

В соответствии со статьей 5 закона Российской Федерации «О защите прав потребителей» и постановлением правительства Российской Федерации № 720 от 16.06.97 компания Pioneer Europe NV оговаривает следующий срок службы изделий, официально поставляемых на российский рынок.

Автомобильная электроника: 6 лет

Прочие изделия (наушники, микрофоны и т.п.): 5 лет

D

Примечание

■

Характеристики и конструкция могут быть изменены без предварительного уведомления.

Данное устройство произведено в Китае.

E

■

F

• DVH-8480AVBT/XFBR**General**

Rated power source: 14.4 V DC (allowable voltage range: 10.8 V to 15.1 V DC)
Preout maximum output level: 4.0 V
Maximum current consumption: 10.0 A
Backup current: 5 mA or less
Dimensions (W × H × D):
 Chassis 178 mm × 50 mm × 165 mm
 Nose 188 mm × 58 mm × 22 mm
Weight: 1.3 kg

Display

Screen size/aspect ratio: 3.5 inch wide/16:9 (effective display area: 76.32 mm × 42.82 mm)
Pixels: 320 × (RGB) × 234
Display method: TFT active matrix
Durable temperature range (power off) ... -20 °C to + 60 °C

DVD Player

System DVD video, Video CD, CD, WMA, MP3, DivX, JPEG system
Usable discs DVD video, Video CD, CD, CD-R/RW, DVD±R/RW/R DL
Region number 4 for Brazil
Frequency response 20 Hz to 20 kHz (with DVD, at sampling frequency 96 kHz)
Signal-to-noise ratio 75 dB (1 kHz) (IEC-A network) (RCA level)
Output level:
 Video 1.0 Vp-p/75 Ω (±0.2 V)
Number of channels 2 (stereo)
MP3 decoding format MPEG-1 & 2 Audio Layer 3
WMA decoding format Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
DivX decoding format Home Theater Ver. 3, 4, 5.2, 6 (.avi, .divx)
DVD video output NTSC

Audio

Continuous power output ... 23 W × 4 (50 Hz to 15 000 Hz, 5%THD, 4 Ω load, both channels driven)
Load impedance: 4 Ω (4 Ω to 8 Ω (2 Ω for 1 ch) allowable)
Preout maximum output level 4.0 V
Equalizer (3-Band Graphic Equalizer):
 Frequency 80/1k/10 kHz
 Gain -14 to +14 dB

- A Subwoofer (mono):
 Frequency 80 Hz/120 Hz/160 Hz
 Gain..... -79 dB to 0 dB

USB

USB standard specification: USB 1.1, USB 2.0 full speed
 Maximum current supply 1000mA
 File system: FAT16, FAT32

FM tuner

- B Frequency range: 87.5 MHz to 108.0 MHz)
 Usable sensitivity..... 10 dB μ (S/N: 30 dB)

AM tuner

Frequency range: 531 kHz to 1 602 kHz (9 kHz)
 530 kHz to 1 640 kHz (10 kHz)
 Usable sensitivity:..... 30 dB μ (S/N: 20 dB)

Bluetooth

Version Bluetooth 2.0 certified
 Output power +4dBm Maximum(Power class 2)

- C **Note:**
 Specifications and the design are subject to modifications without notice.

D 2.2 DISC/CONTENT FORMAT



The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Pioneer Corporation is under license. Other trademarks and trade names are those of their respective owners.



3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

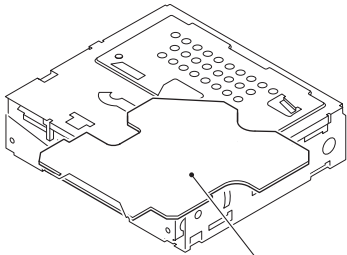
To keep the product quality after servicing, please confirm following check points.

No.		Procedures	Item to be confirmed
1		Confirm whether the customer complain has been solved. If the customer complain occurs with the specific media, use it for the operation check.	The customer complain must not be reappeared. Display, video, audio and operations must be normal.
2	DVD	Play back a DVD. (Menu operation; Title/chapter search)	Display, video, audio and operations must be normal.
3	CD	Play back a CD. (Track search)	Display, audio and operations must be normal.
4	FM/AM tuner	Check FM/AM tuner action. (Seek, Preset) Switch band to check both FM and AM.	Display, audio and operations must be normal.
5		Check whether no disc is inside the product.	The media used for the operating check must be ejected.
6		Appearance check	No scratches or dirt on its appearance after receiving it for service.

For check items concerning image and voice, please refer to the followings:

Check items concerning image	Check items concerning voice
Block-noise	Distortion
Crosscut noise	Noise
Dot noise	Low volume
Distorted image (Image skip)	High volume
Low brightness	Changes in level
Too bright	Pause of sound
Color fading	
Partial discoloration	

3.2 PCB LOCATIONS



B SB SMT UNIT

A:DVH-840AVBT/XEUW5
B:DVH-8480AVBT/XFBR
Unit Number : 843DM7376HRMB003-FY(A)
: CYW1008(B)
Unit Name : MB Unit
Unit Number : 842DM7376HRSB003-FY(A)
: 882DM7376HBSB003-FY(B)
Unit Name : SB SMT Unit

A MB UNIT

F LB PCB

C KB PCB

E CB PCB

D AUX PCB

KB Ass'y
Consists of
KB PCB
AUX PCB
Unit Number :
Unit Name : KB Assy
CB/LB Ass'y
Consists of
CB PCB
LB PCB
Unit Number :
Unit Name : CB/LB Assy

3.3 JIGS LIST

● Jigs List

Name	Jig No.	Remarks
21P FFC	GGD1627	Mother Unit (MB) - DVD Decode Unit (SB)

3.4 CLEANING



Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

Portions to be cleaned	Cleaning tools
DVD pickup lenses	Cleaning liquid : GEM1004 Cleaning paper : GED-008

3.5 FACTORY SETTINGS

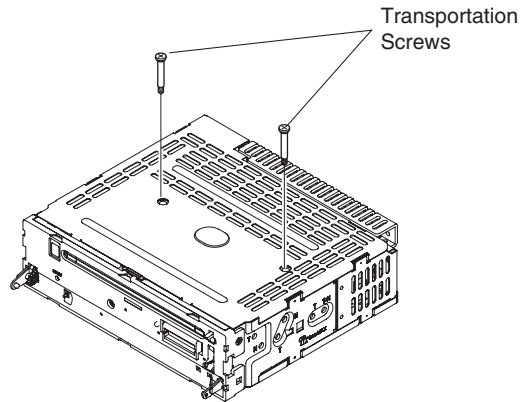


● When the Repair is Complete

When the repair is complete, make the DVD mechanism ready for transportation implementing the following procedures:

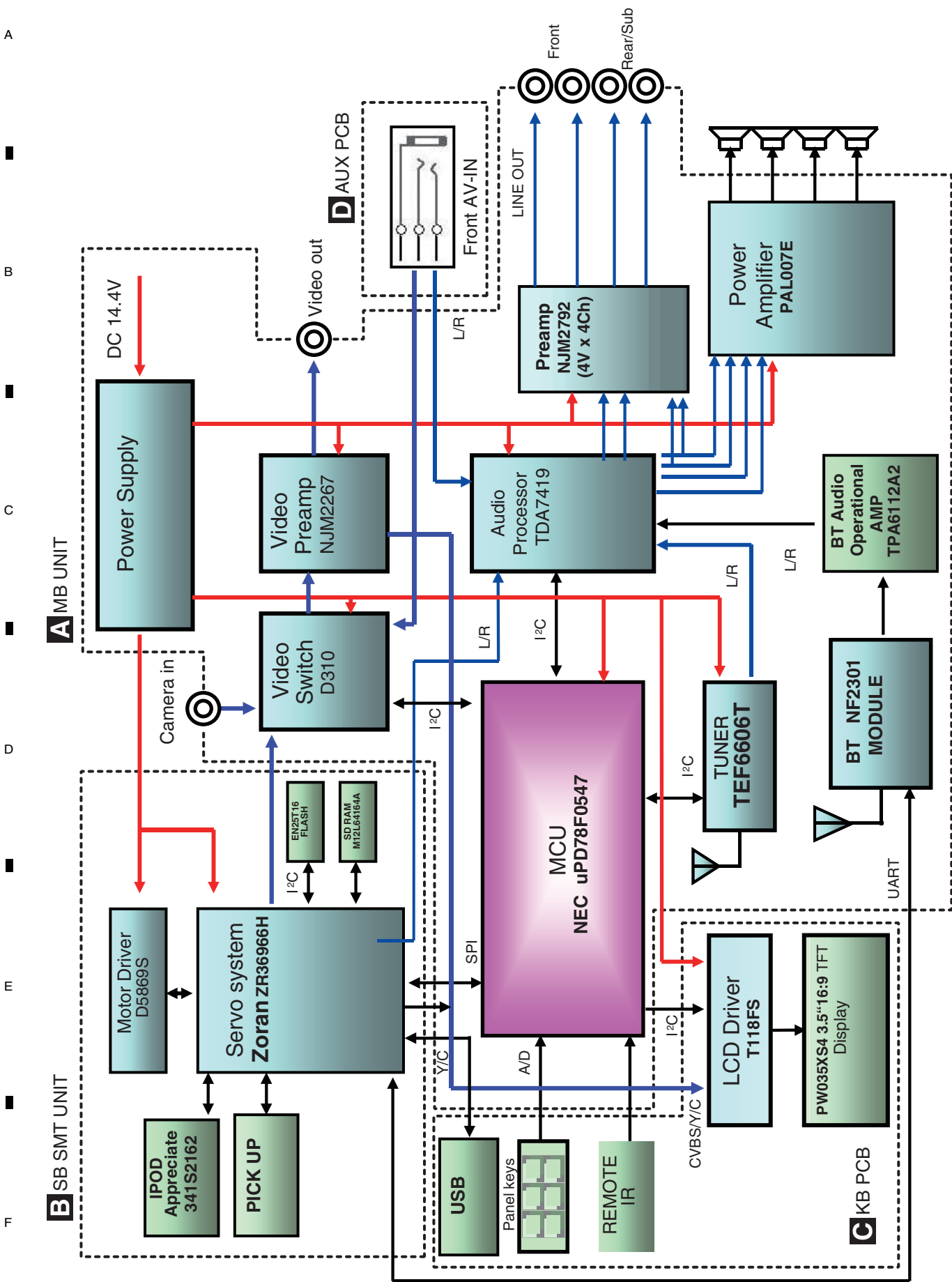
1. Attach the two Transportation Screws.

Now you can transport it.(See the figure below)

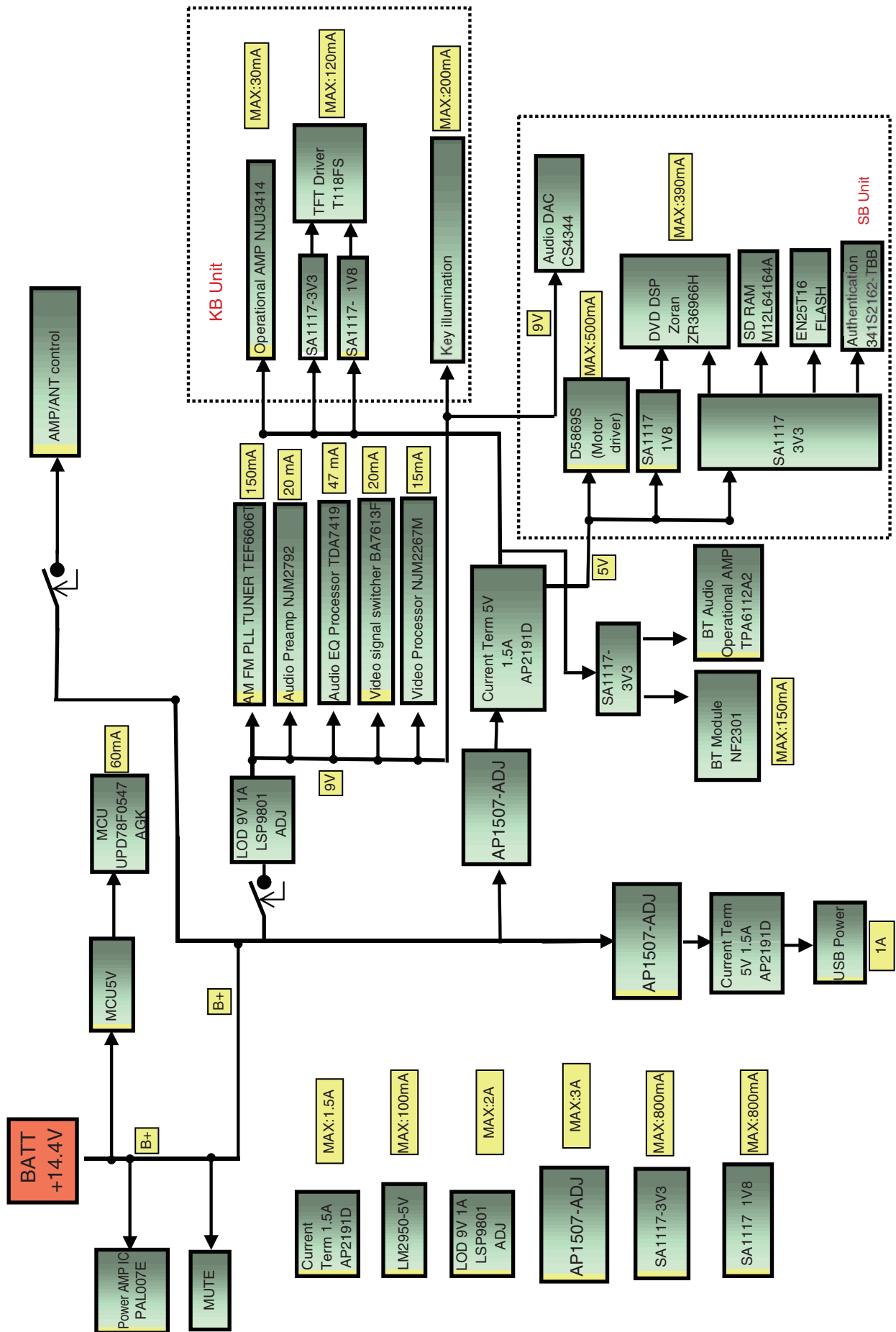


4. BLOCK DIAGRAM

4.1 BLOCK DIAGRAM

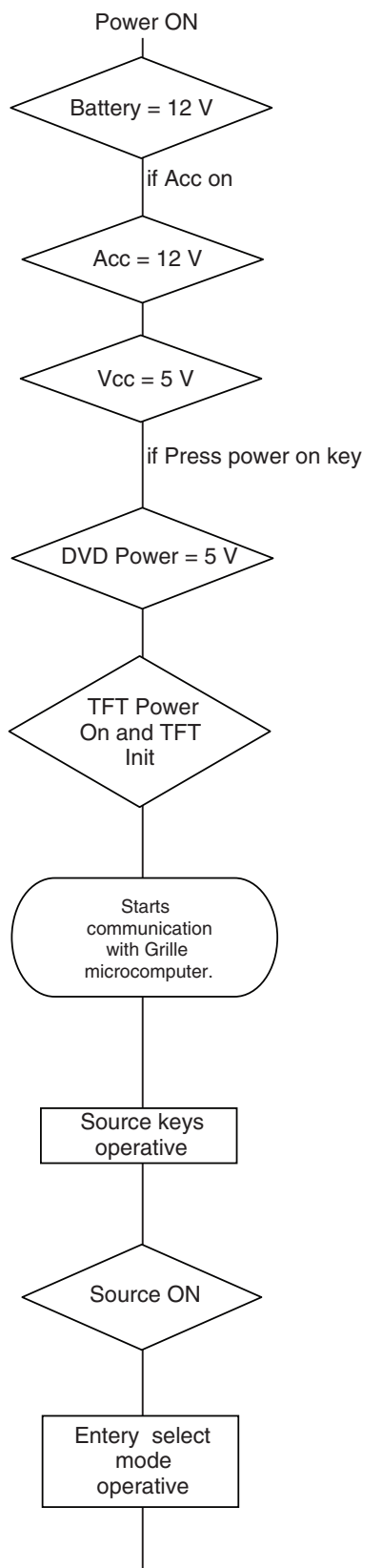


4.2 POWER BLOCK DIAGRAM



5. DIAGNOSIS

5.1 OPERATIONAL FLOWCHART

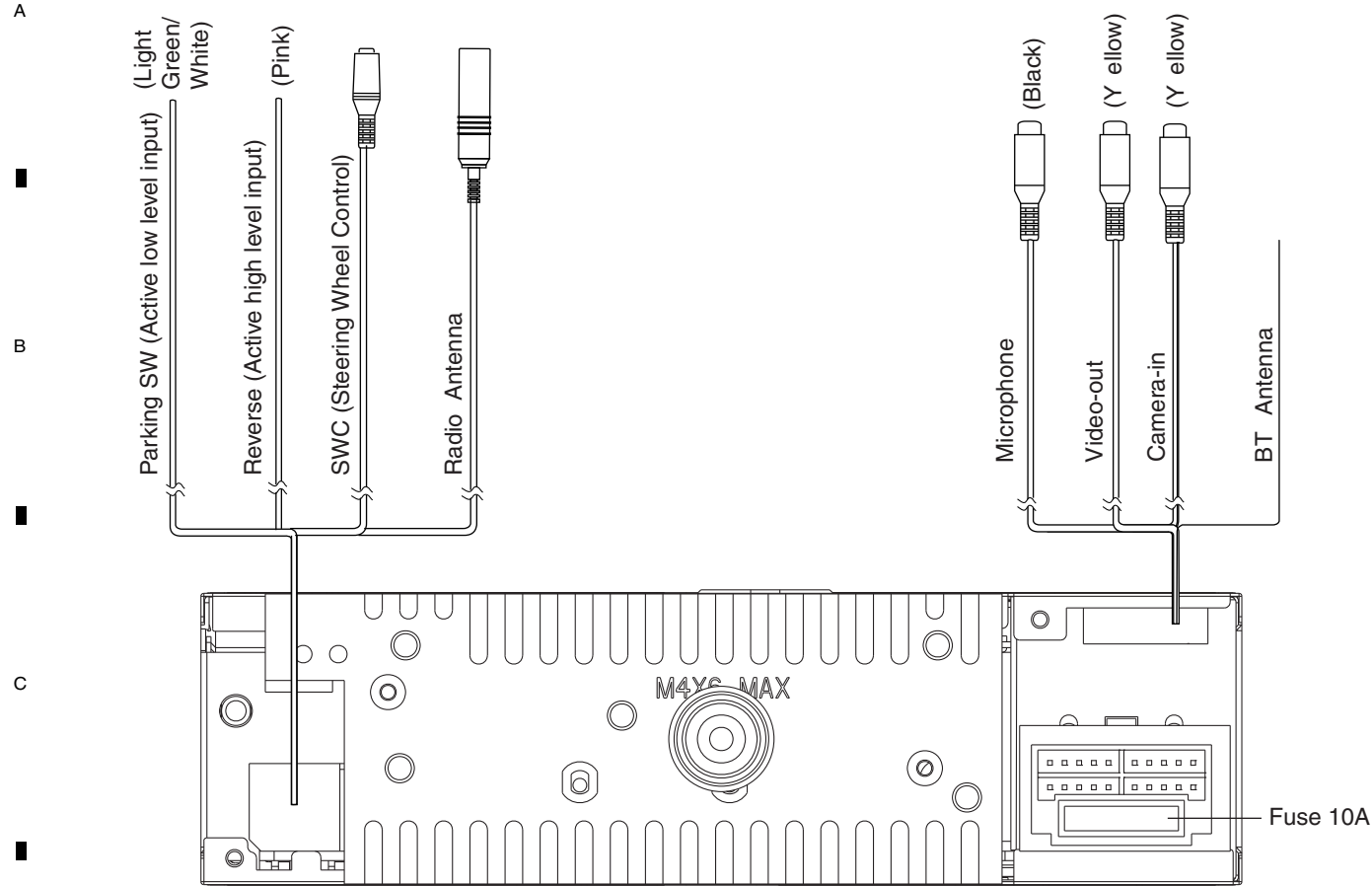


Completes power-on operation.
(After that, proceed to each source operation)

5.2 ERROR CODE LIST

Message	Cause	Action
Loading	Disc is being read	Please wait, it may take several minutes for some disc or storage device.
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	Change another disc.
Region Error	DVD is not compatible with region code of unit	Use discs with corresponding regional code.
Error	Illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

5.3 CONNECTOR FUNCTION DESCRIPTION



19	17	15	13	11	9	7	5	3	1
20	18	16	14	12	10	8	6	4	2

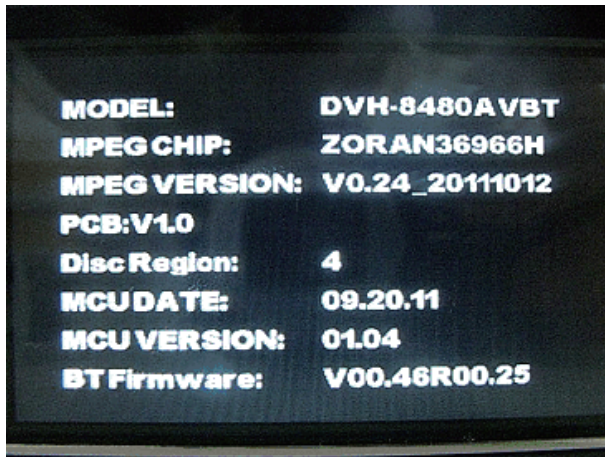
- 1: FR-
2: FL+
3: FR+
4: FL-
5: RR+
6: ILLU_IN
7: RR-
8: ANT
9: T_MUTE
10: +B
- 11: RL+
12: GND
13: RL-
14: LO-FL
15: ACCIN
16: LO-FR
17: GND
18: GND
19: LO/SUB-RR
20: LO/SUB-RL

6. SERVICE MODE

6.1 SOFTWARE VERSION INFORMATION DISPLAY

Example of a display(AVH-8480AVBT)

MODEL: DVH-8480AVBT	← Model number (UW5 model : DVH-840AVBT)
MPEG CHIP: ZORAN36966H	
MPEG VERSION: V0.24_20111012	← Version of MPEG software : V0.24
PCB:V1.0	
Disc Region: 4	← Region Code of DVD : 4
MCU DATE: 09.20.11	
MCU VERSION: 01.04	← Version of MPU software : V1.04
BT Firmware: V00.46.R00.25	← Version of BT software : V0.46.R0.25



6.2 SOFTWARE VERSION UP METHOD

Save six (6) sorts of file for Version Up (build.img, UPD_MPEG.VER, update.img, UPD_MCU.VER, UPD_BT.VER and NFOREBT.dfu) on an USB.

Turn the product power to be ON and insert the above mentioned USB.

1. MPEG software update
2. MCU software update
3. BT software update (Only a model with BT functional)
4. Reset, "do default setting" in the setting menu.
5. Check Version

Insertion of USB will display the following Update screen.

UW model



(Language Setting: Russian for UW5 model)

BR model



(Language Setting: Portuguese(B) for BR model)

Method of individual upgrading

Prepare files shown below according to the purpose for upgrading the software. (It is not necessary to prepare all files)

Item to upgrade	Use software
MPEG	build.img , UPD_MPEG.VER
MCU	update.img , UPD_MCU.VER
BT	NFOREBT.dfu , UPD_BT.VER

Upgrade the software in the order of MPEG, MCU, and BT.

Please be sure to perform Default Settings in the Setting after performing Version Up.

If you do not perform the Version Up, the initialization of MPEG software will not be executed.

In addition, the Main Body Reset SW located at the rear surface of Detach Panel is only for the Restart RESET of MCU and it does not mean to perform all of the initializations.

1. MPEG update instruction

1. Copy the MPEG update files(upd_mpeg.ver, build.img) to USB device, and insert it to USB Port, when the system detect the update file exists, it will pop up a menu like Fig.1 as below:

UW5 model

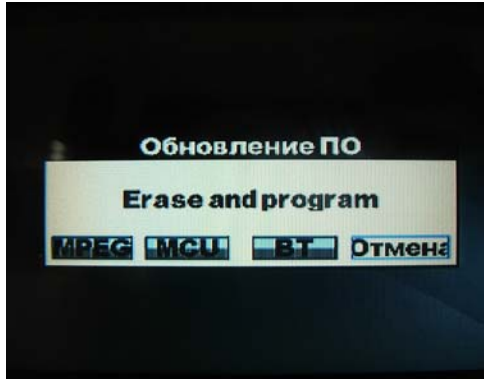


Fig.1-1

BR model



Fig.1-1

2. If you don't want to upgrade ,you can press "Cancel" button through Left or Right key of remote control or panel, otherwise you can move the curse to button "MPEG", and after pressing Enter key, there will pop other prompt menu like Fig.2, as below:

UW5 model

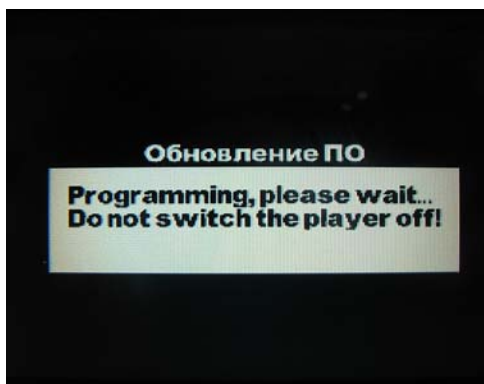


Fig.2-1

BR model

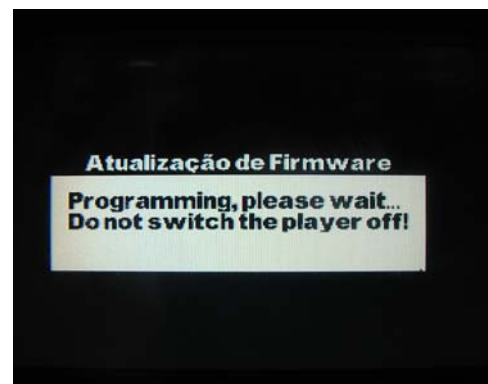


Fig.2-1

3. During the process of upgrade, do not remove the USB device or shut off the power supply, otherwise the system will breakdown, and never recover any more, if the system restart and pop up Fig.1 for the second time, it means MPEG upgrade process finished, you can remove the USB device, the whole upgrade process will last about 1 minute;

2. MCU update instruction

1. Copy the MCU update files(UPD_MCU.VER, update.img) to USB device, and insert it to USB port, when the system detect the update file exists, it will pop up a menu like Fig.3, as below:

UW5 model

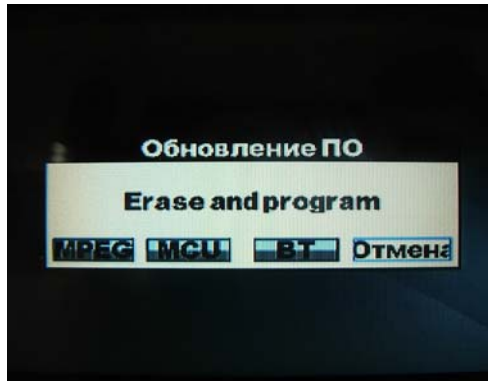


Fig.3-1

BR model



Fig.3-1

2. If you don't want to upgrade, you can press "Cancel" button through Left or Right key of remote control or panel, otherwise you can move the curse to button "MCU", and after pressing Enter key, there will pop other prompt menu like Fig.4, the system start to erase the MCU flash, as below:

UW5 model

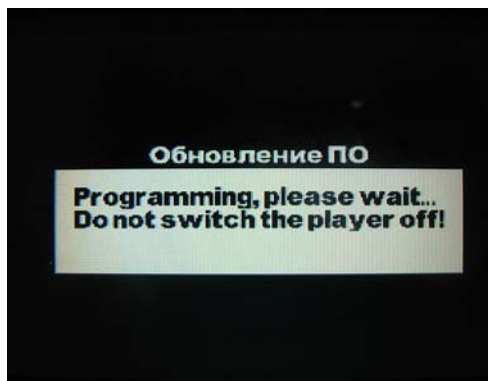


Fig.4-1

BR model

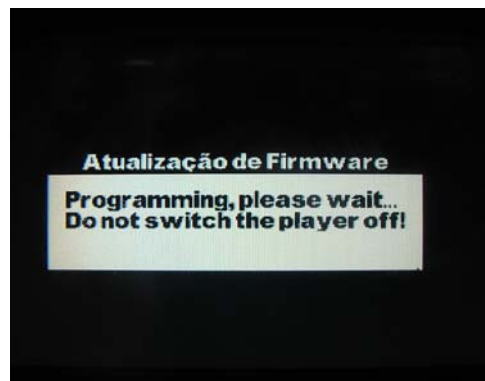


Fig.4-1

3. After erasing process finish, system start to upgrade process, and you will find the upgrade process, just like Fig.5 as below:

UW5 model

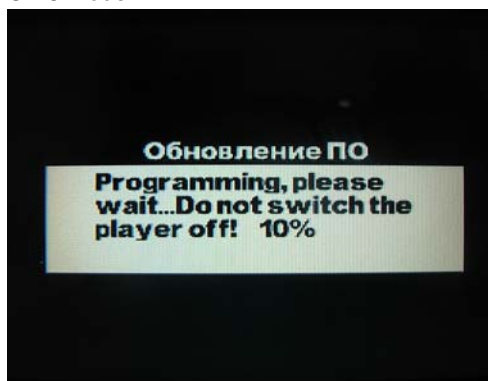


Fig.5-1

BR model

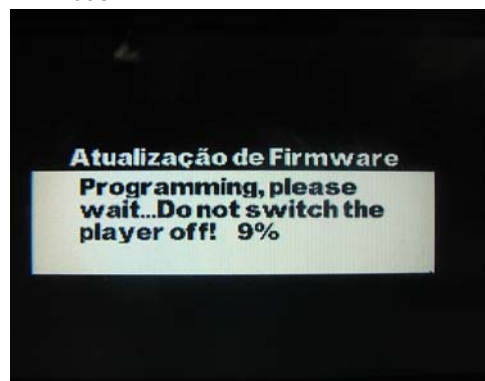


Fig.5-1

4. During the process of upgrade, it's allowed the user to remove the USB device, because system had copied the update files to SDRAM, this is different from MPEG upgrade, after the process reach 100%, which means MCU upgrade finished, and the system will power off automatically, you need to press the power key to restart the system, the whole upgrade process will take around 2.5 Minutes

3 BT update instruction

1. Copy the BT update files(UPD_BT.VER, NFOREBT.dfu) to USB device, and insert it to USB port, when the system detect the update file exists, it will pop up a menu like Fig.6, as below:

UW5 model

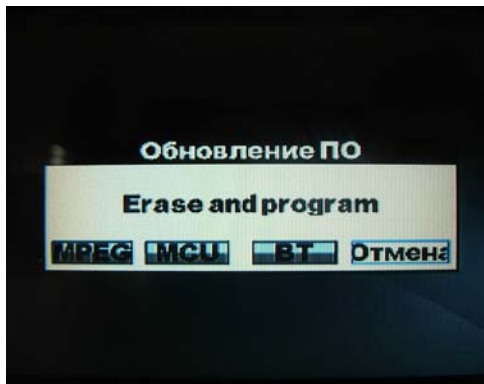


Fig.6-1

BR model



Fig.6-1

2. If you don't want to upgrade, you can press "Cancel" button through Left or Right key of remote control or panel, otherwise you can move the curse to button "BT", and after pressing Enter key, there will pop other prompt menu like Fig.7, the system start to erase the BT flash, as below:

UW5 model

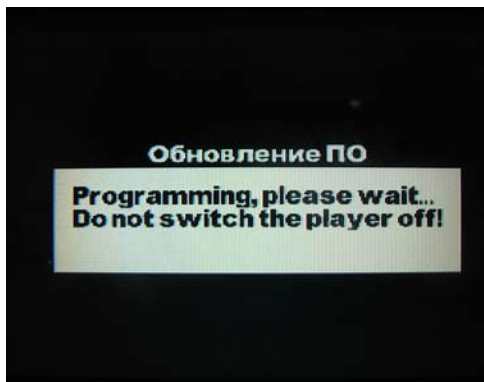


Fig.7-1

BR model

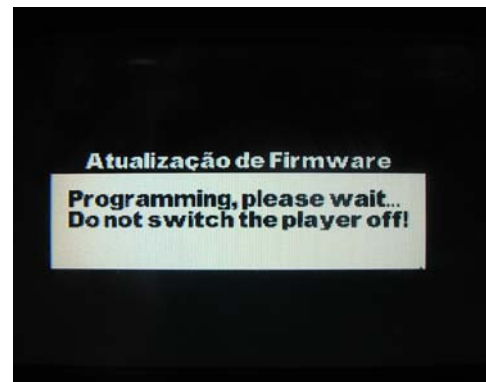


Fig.7-1

3. After erasing process finish, system start to upgrade process, and you will find the upgrade process, just like Fig.8 as below:

UW5 model

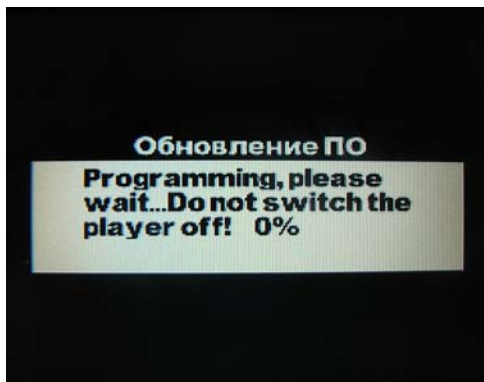


Fig.8-1

BR model

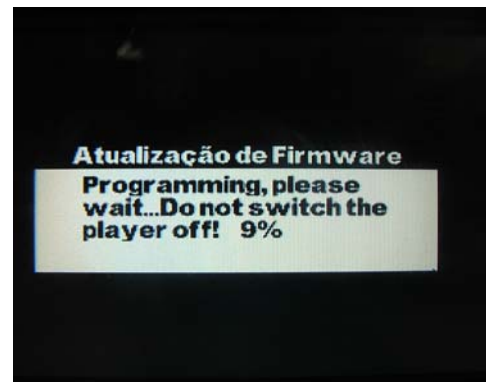


Fig.8-1

4. During the process of upgrade, it's allowed the user to remove the USB device, because system had copied the update files to SDRAM, this is different from MPEG upgrade, after the process reach 100%, which means BT upgrade finished, and the system will power off automatically, you need to press the power key to restart the system, the whole upgrade process will take around 2.5 Minutes

4. Upgrade of software is completed

If upgrade of software is completed, please perform Default setting by Seetting Menu.

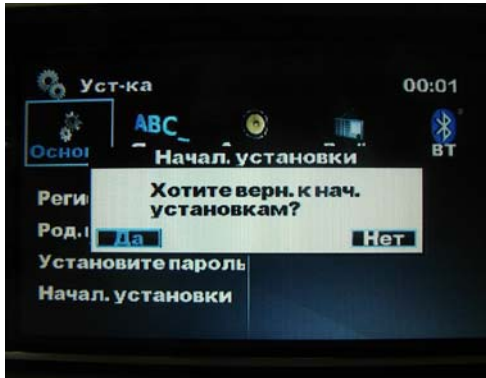
NOTE:

Item to upgrade Method	
Only MPEG	USB device is extracted in the state of an Version UP display.
MPEG => MCU	1. USB device is extracted after automatic power switch OFF.
MPEG => MCU => BT	2. Power switch is turned ON.
MCU => BT	3. Default setting is performed by Seetting Menu.
Only MCU	
Only BT	

●Seetting Menu

UW5 model

BR model



How to check the software version, the detailed operation method will be showed as below:

- 1) Enter into Seetting Menu;
- 2) Press "5" "4" "3" "2" numeric key on the remote controll

You will find the version information; to exit the version menu, please press "ESC" key



7. DISASSEMBLY

● Removing the Top Cover and the Bottom Cover (Fig.1)

- ➡ 1 Remove the screw and then remove the Bottom Cover.
- ➡ 2 Remove the screw and then remove the Top Cover.

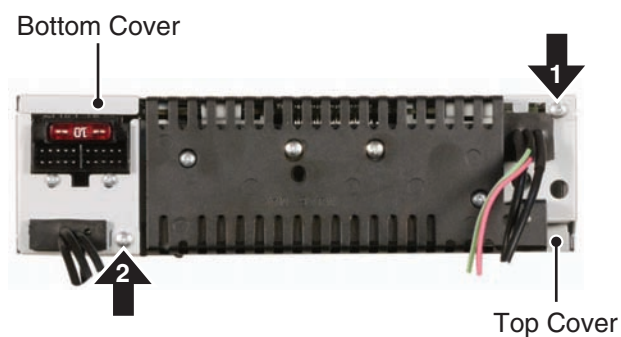


Fig.1

● Removing the Deck (Fig.2)

- ➡ 1 Remove the two screws.
- ➡ 2 Remove the two screws.
- ➡ 3 Disconnect the connector and then remove the Deck.

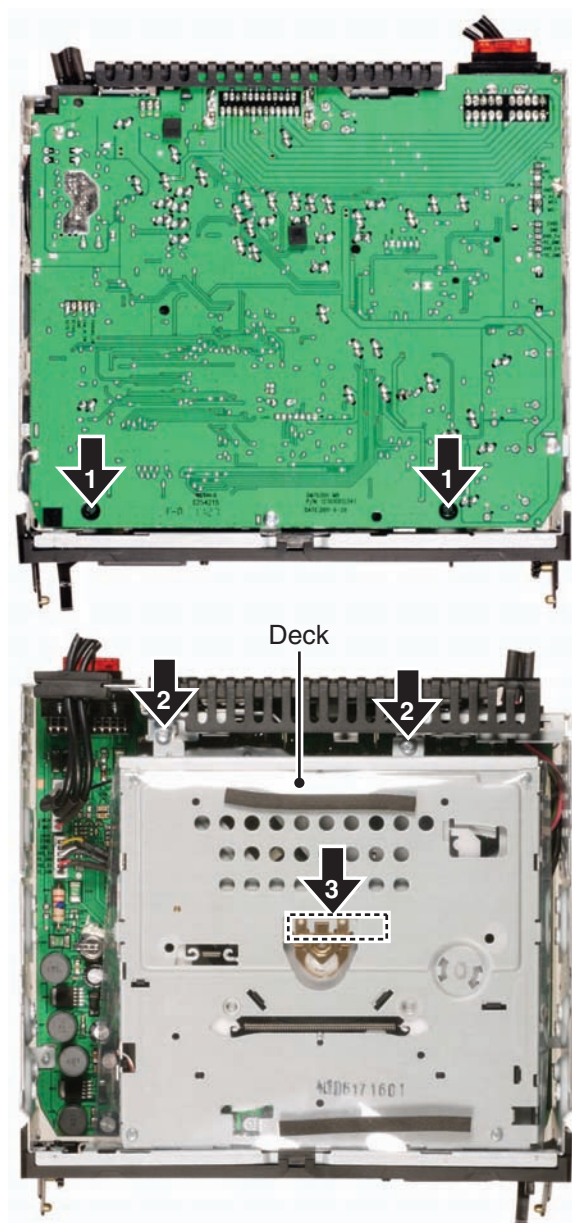


Fig.2

● Removing the Cabinet (Fig.3)

- 1 Disconnect the two connectors.
- 2 Remove the screw.
- 3 Remove the two screws.
- 4 Release the two latches and then remove the Cabinet.

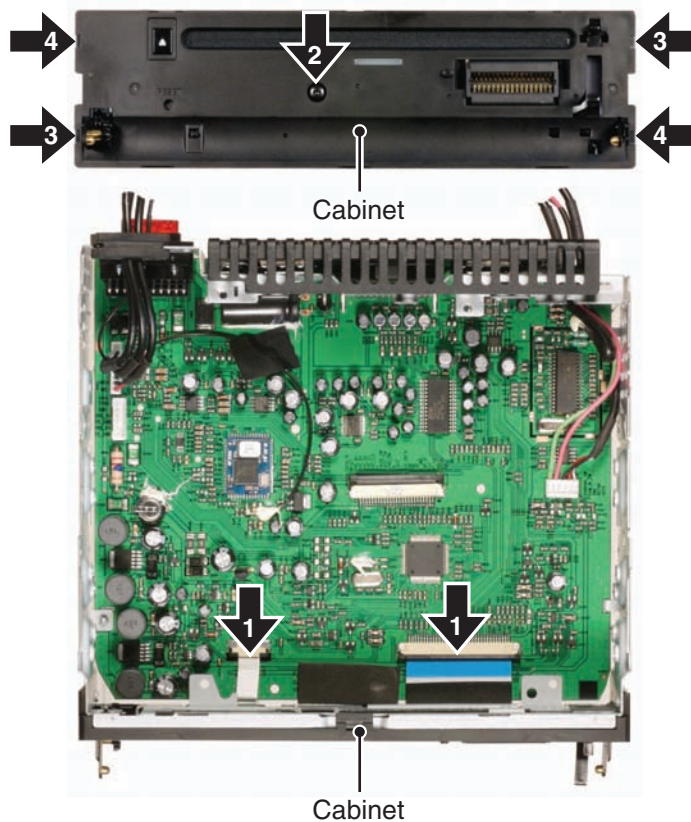


Fig.3

● Removing the MB Assy (Fig.4)

- 1 Remove the two screws.
- 2 Remove the four screws and then remove the Heat Sink.
- 3 Fix the nut for fixing a screw not to rotate, and then remove the screw.
- 4 Remove the solder at three locations indicated and then straighten the tabs.
- 5 Remove the two screws and then remove the MB Assy.

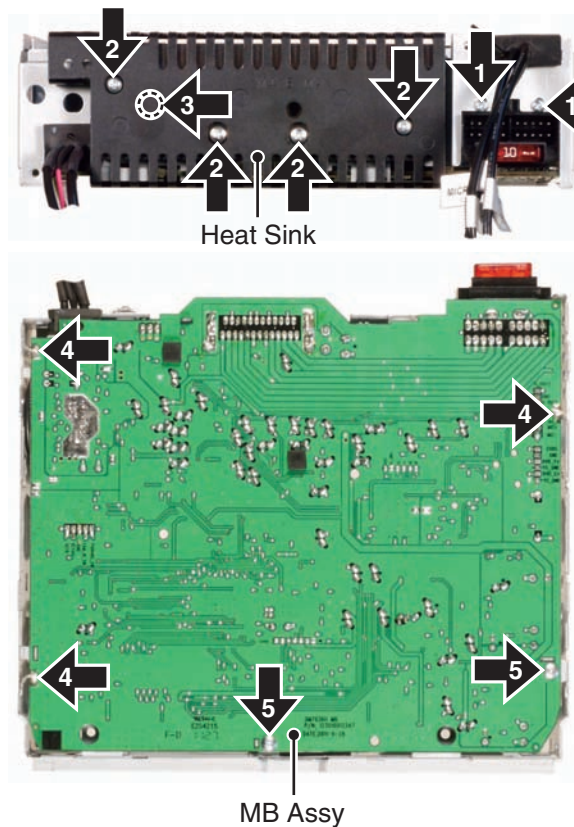
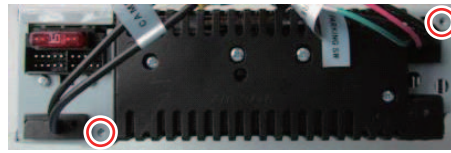


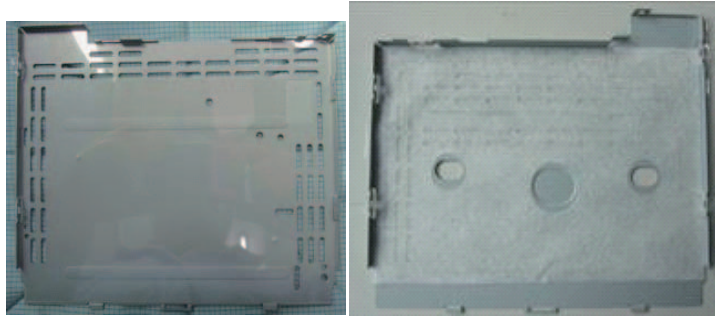
Fig.4

● How to eject the stuck disc (Procedure 1: Rotating the roller)

- ➡ 1 Remove the screws.

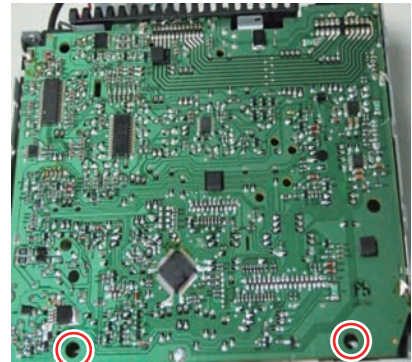
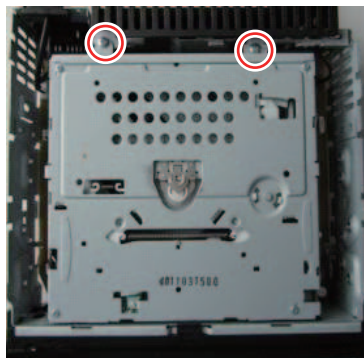


- ➡ 2 Remove the top and the bottom cover.

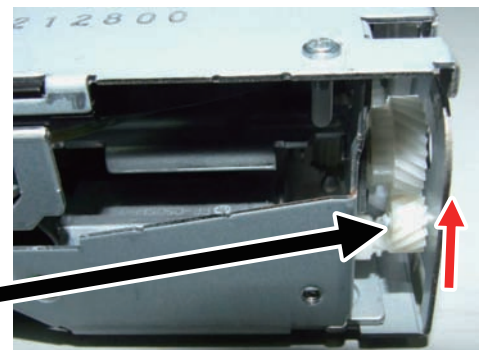


- ➡ 3 Remove the screws.

- ➡ 4 Remove the DVD mechanism module.



- ➡ 5 Rotate the gear upward.



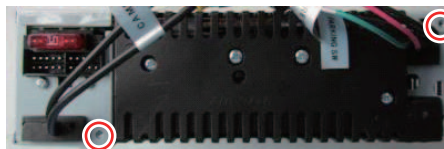
Then, the disc will be ejected.



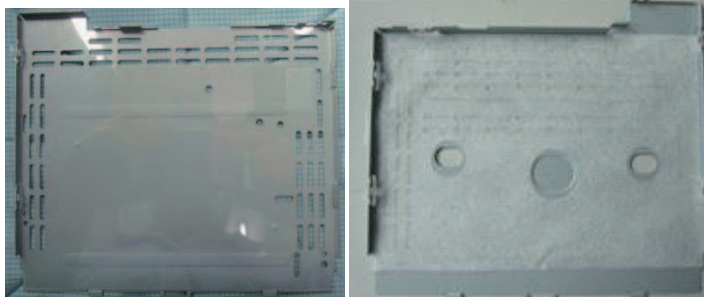
● How to eject the stuck disc (Procedure 2: Removing the top cover)

A

- ➔ 1 Remove the screws.



- ➔ 2 Remove the top and the bottom cover of the product.

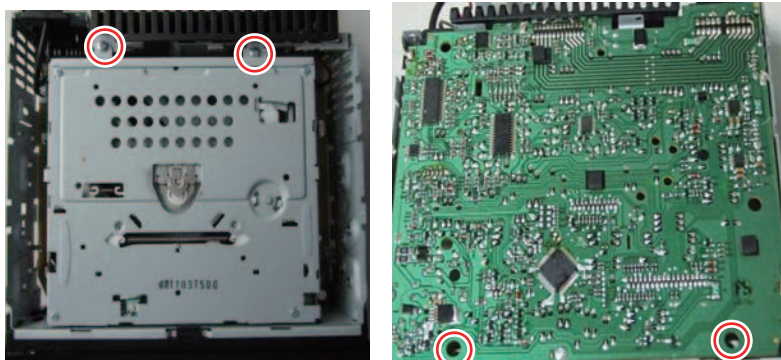


B

- ➔ 3 Remove the screws.

C

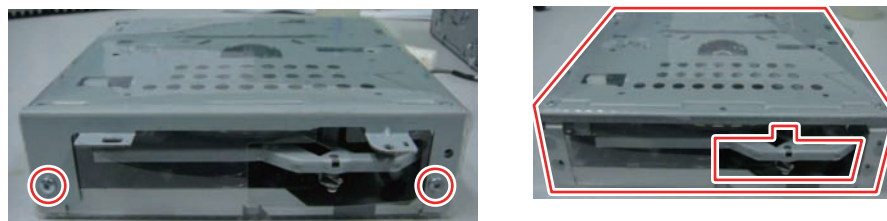
- ➔ 4 Remove the DVD mechanism module.



D

- ➔ 5 Remove the screws.

- ➔ 6 Remove the dustproof cover.



- ➔ 7 Remove the screws.

E



Left side

Top

Right side

F



Remove the top cover of the DVD mechanism.



Lift up the clamp holder, and remove the disc.



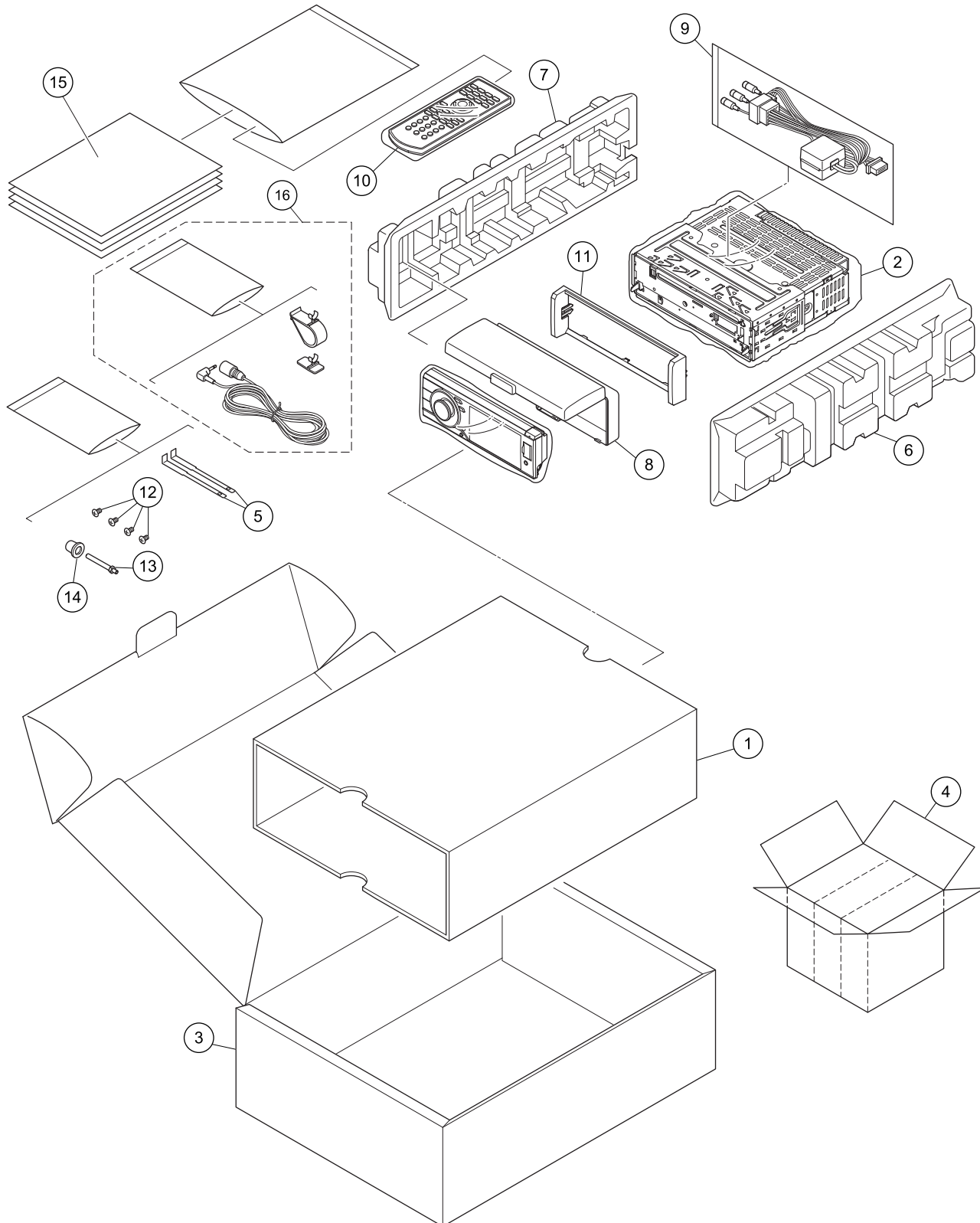
8. EACH SETTING AND ADJUSTMENT

There is no information to be shown in this chapter.

9. EXPLODED VIEWS AND PARTS LIST

- NOTES :
- Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.
 - The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Screw adjacent to  mark on the product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual.
- (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING



<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Brown	127025020001-FY	1	Rim	141270000509000-FY
2	Polyethylene Bag	See Contrast table (2)	12	Screw(M5 x 6)	121100070063-FY
3	Unit Box	See Contrast table (2)	13	Bolt	121050000003-FY
4	Contain Box	See Contrast table (2)	14	Cushion	121410000026-FY
5	Side Key	121090000327-FY	* 15-1	Warranty Card	See Contrast table (2)
6	Pulp Foam	127015000249-FY	15-2	Owner's Manual	See Contrast table (2)
7	Pulp Foam	127015000250-FY	* 15-3	Service Network	See Contrast table (2)
8	Case Assy	883DM7376HBFJ000-FY	16	Microphone Assy	123650000003-FY
9	Power Cord (Assy)	883DM7376HPWR004-FY			
10	Card Type RC	See Contrast table (2)			

(2) CONTRAST TABLE
DVH-840AVBT/XEUW5 and DVH-8480AVBT/XFBR are constructed the same except for the following:

Mark	No.	Description	DVH-840AVBT/XEUW5	DVH-8480AVBT/XFBR
2		Polyethylene Bag	*127060020025-FY	127060000025-FY
3		Unit Box	127020002817-FY	127020002816-FY
4		Contain Box	127000002581-FY	127000002382-FY
	10	Card Type RC	CXE5124	CXE5125
*	15-1	Warranty Card	127070008002-FY	Not used
	15-2	Owner's Manual	127075003546-FY(Russian)	127075003547-FY(Portuguese(B))
*	15-3	Service Network	Not used	CRY1227

1 2 3 4

9.2 EXTERIOR (1)

A

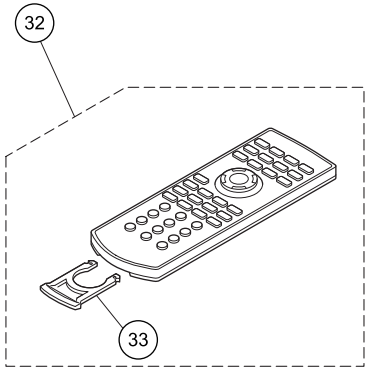
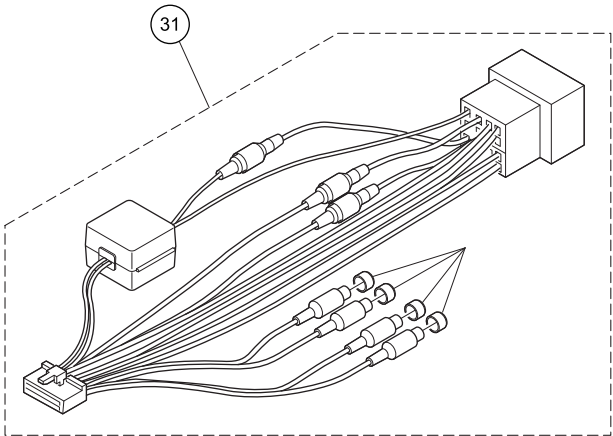
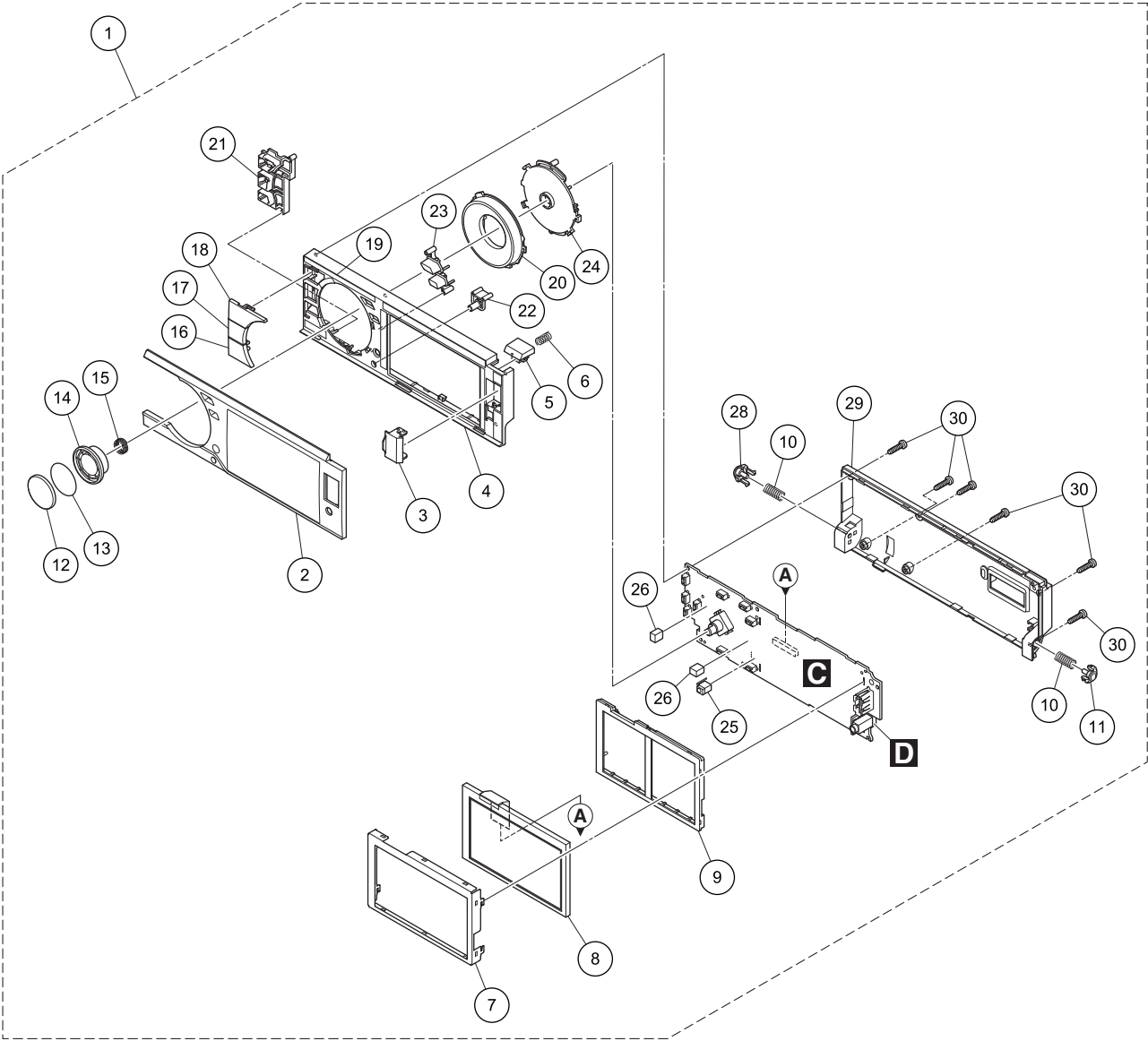
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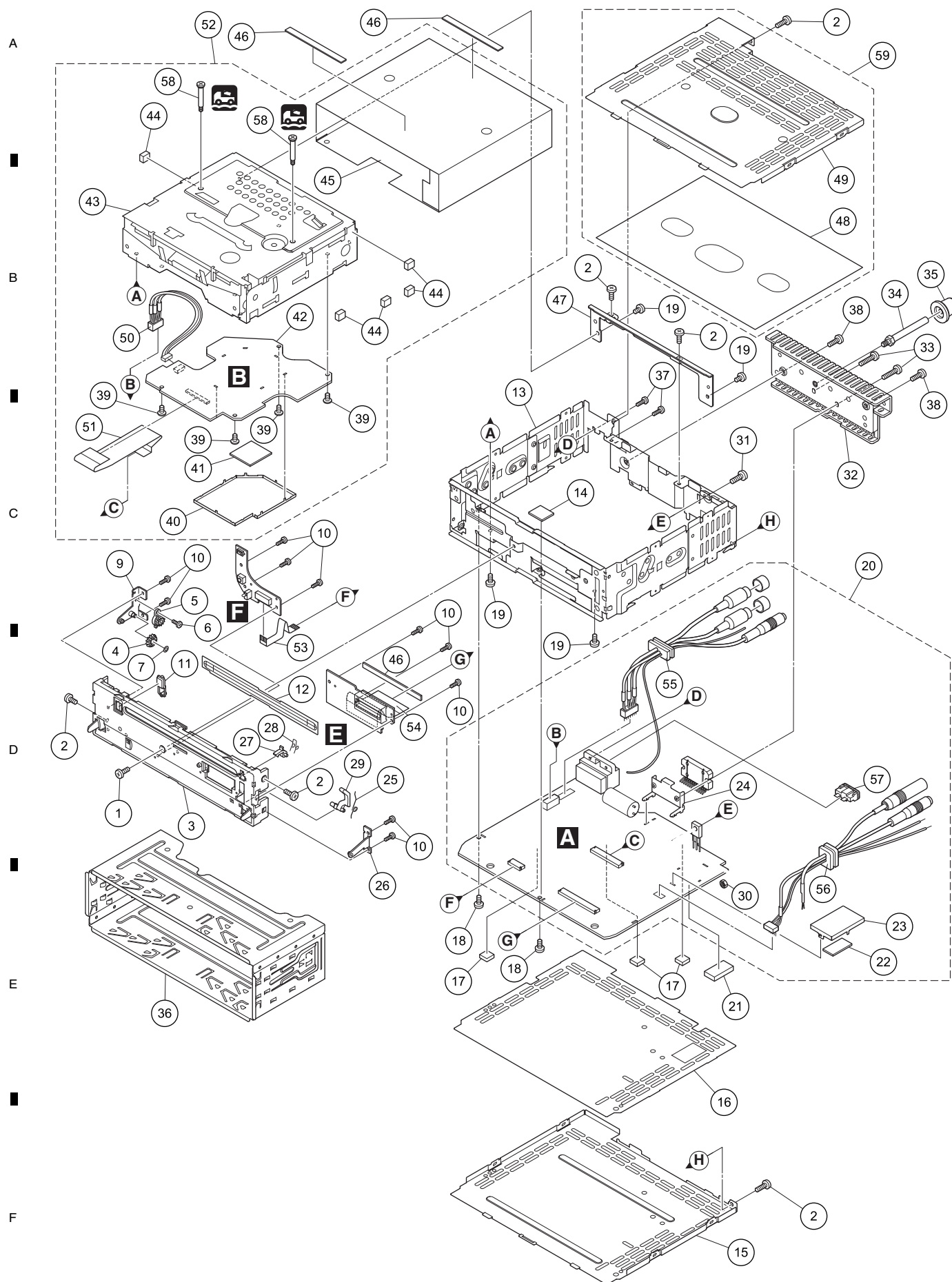
(1) EXTERIOR (1) SECTION PARTS LIST					
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Detach Panel	See Contrast table (2)	18	Button(POWER)	141230303269018-FY
2	Lens	See Contrast table (2)	19	Double Side Tape	121445000246-FY
3	Cover	141290002380000-FY	20	Button(Four Point)	141230003268018-FY
4	Panel	141210001357000-FY			
5	Button	141230003270000-FY	21	Button Bracket	141240001197000-FY
			22	Button(BSM)	141230303267018-FY
6	Spring	121035000332-FY	23	Button(OK/ESC)	141230303273018-FY
7	Cover	141000002907-FY	24	Guide	141260000657000-FY
8	TFT/A	143420020032-FY	25	Mat	121405000245-FY
9	Bracket	141240001196000-FY			
1 0	Spring	121035000136-FY	26	Sponge	121405000260-FY
			2 7		
1 1	Slide Block	14129080071400-FY	28	Slide Block	14129080071300-FY
1 2	Lens	141220300548018-FY	29	Panel	141210001358000-FY
13	Double Side Tape	121445000250-FY	30	Screw(M2 X 10)	121040000184-FY
1 4	Knob	141230502986017-FY			
1 5	Spring	121035000569-FY	31	Power Cord (Assy)	883DM7376HPWR004-FY
			32	Card Type RC	See Contrast table (2)
1 6	Button(BAND)	141230303271018-FY	33	Cover	141272000043-FY
1 7	Button(SRC)	141230303272018-FY			

(2) CONTRAST TABLE

DVH-840AVBT/XEUW5 and DVH-8480AVBT/XFBR are constructed the same except for the following:

Mark	No.	Description	DVH-840AVBT/XEUW5	DVH-8480AVBT/XFBR
	1	Detach Panel	843DM7376HRKB004-FY	CXE5350(Grille Assy)
	2	Lens	141220600587028-FY	141220600587018-FY
	32	Card Type RC	CXE5124	CXE5125

9.3 EXTERIOR (2)



(1) EXTERIOR (2) SECTION PARTS LIST					
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw(M2.6 X 5)	121040000054-FY	31	Screw(M3 x 8)	121100070059-FY
2	Screw(M2.6 X 5)	121106070011-FY	32	Heat Sink	121015010165-FY
3	Panel Assy	883DM7376HBZJ000-FY	33	Screw(M2.6 x 12)	121104070026-FY
4	Gear	141200010082-FY	34	Bolt	121050000003-FY
5	Damper	121200000831000-FY	35	Cushion	121410000026-FY
6	Screw(M2 x 4)	121104080020-FY	36	Short Sheet	141000002864-FY
7	Washer	121440000031-FY	37	Screw(M2.6 x 8)	121101050013-FY
8			38	Screw(M2.6 x 8)	121104070008-FY
9	Bracket	141000003115-FY	39	Screw(M2 x 4)	121104050032-FY
10	Screw(M2 x 5)	121040000185-FY	40	Shield Cover	141000002742-FY
1	1 Button(EJECT)	141230301924018-FY	41	Heat Silica Gel	121490000426-FY
1	2 Dustproof	121450000126-FY	42	SB SMT Unit	See Contrast table (2)
1	3 Frame	141000002908-FY	43	Deck	144840020083-FY
1	4 Sponge	121405000004-FY	44	Mat	121410000025-FY
1	5 Cover	141000001855-FY	45	Dustproof Cover	121450000209-FY
1	6 Insulator	121415000189-FY	46	Mat	121405000032-FY
1	7 Mat	121405000040-FY	47	Bracket	141000002909-FY
1	8 Screw(M2.6 x 5)	121103070004-FY	48	Dustproof	121450020132-FY
1	9 Screw(M2.6 x 5)	121104070007-FY	49	Cover	141000002906-FY
20	MB Assy	See Contrast table (2)	50	Wire Harness	123835000874-FY
21	Heat Silica Gel	121490000771-FY	51	FFC	123820010189-FY
22	Heat Silica Gel	121490000464-FY	52	DVD Mechanism Module	See Contrast table (2)
2	3 Heat Sink	141010000496-FY	53	FFC	123820000486-FY
2	4 Bracket	121000000319-FY	54	FFC	143820000257-FY
2	5 Spring	121035010571-FY	55	I/O	123830001333-FY
2	6 Bracket	141000031662-FY	56	I/O	123830011242-FY
2	7 Locker	141290001280018-FY	57	Fuse(10 A)	144800000076-FY
2	8 Spring	121035000572-FY	58	Screw	?????
2	9 Handspike	141290001281018-FY	59	Cover Ass'y	883DM7376COVER000-FY
3	0 Nut	121050000023-FY			

(2) CONTRAST TABLE

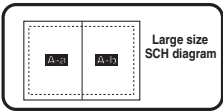
DVH-840AVBT/XEUW5 and DVH-8480AVBT/XFBR are constructed the same except for the following:

Mark	No.	Description	DVH-840AVBT/XEUW5	DVH-8480AVBT/XFBR
20		MB Assy	843DM7376HRMB003-FY	CYW1008
	42	SB SMT Unit	842DM7376HRSB003-FY	882DM7376HBSB003-FY
	52	DVD Mechanism Module	843DM7376HRSB003-FY	883DM7376HBSB003-FY

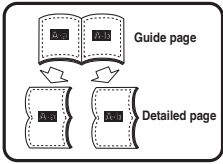
10. SCHEMATIC DIAGRAM

10.1 MB UNIT (1/2) (GUIDE PAGE)

A **Note:** When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



A-a 1/2



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DVH-840AVBT/XEUW5

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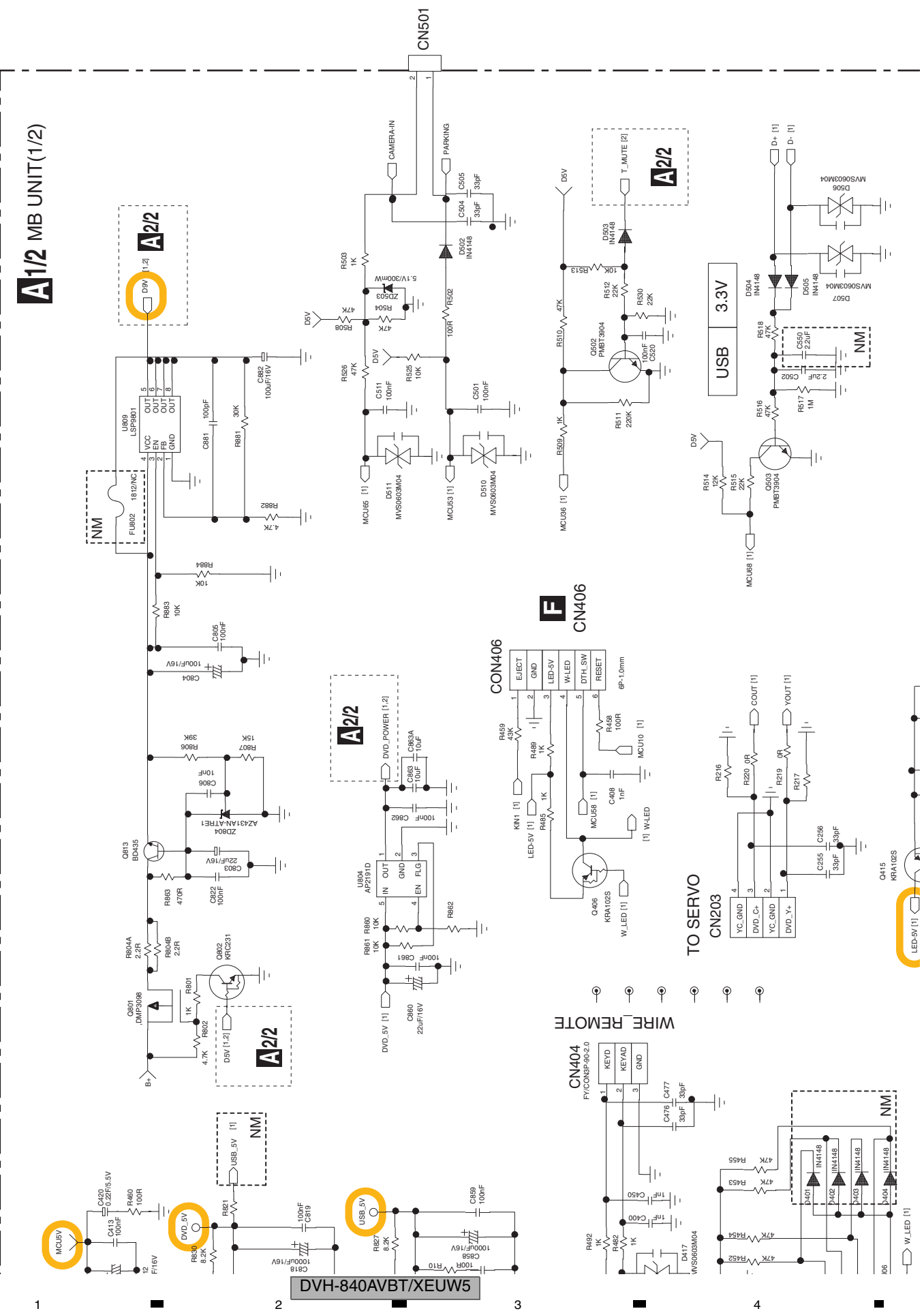
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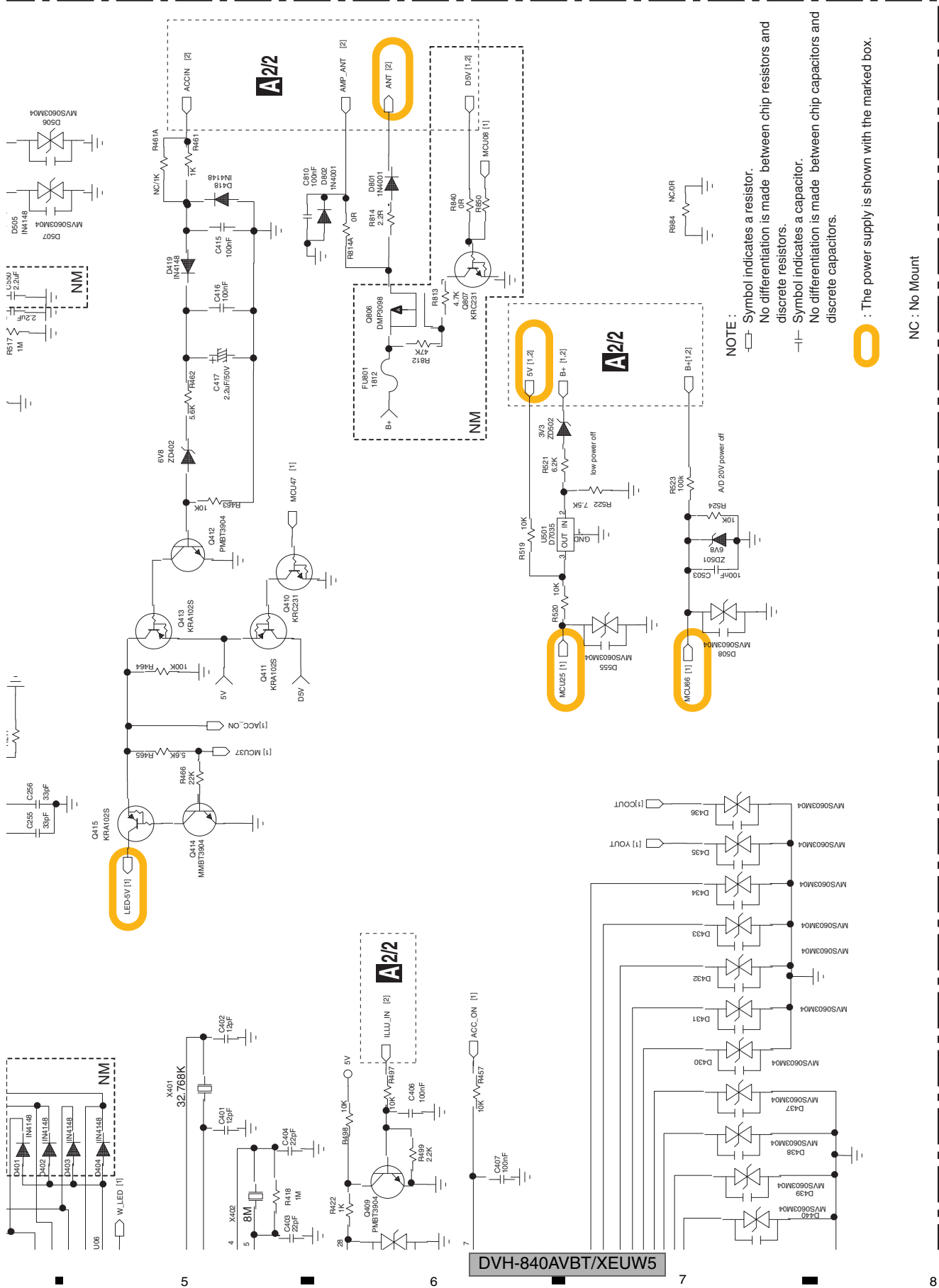
A1/2 MB UNIT(1/2)



A B C D E F

A-a A-b

A-b 1/2



A-b 1/2

A-a A-b

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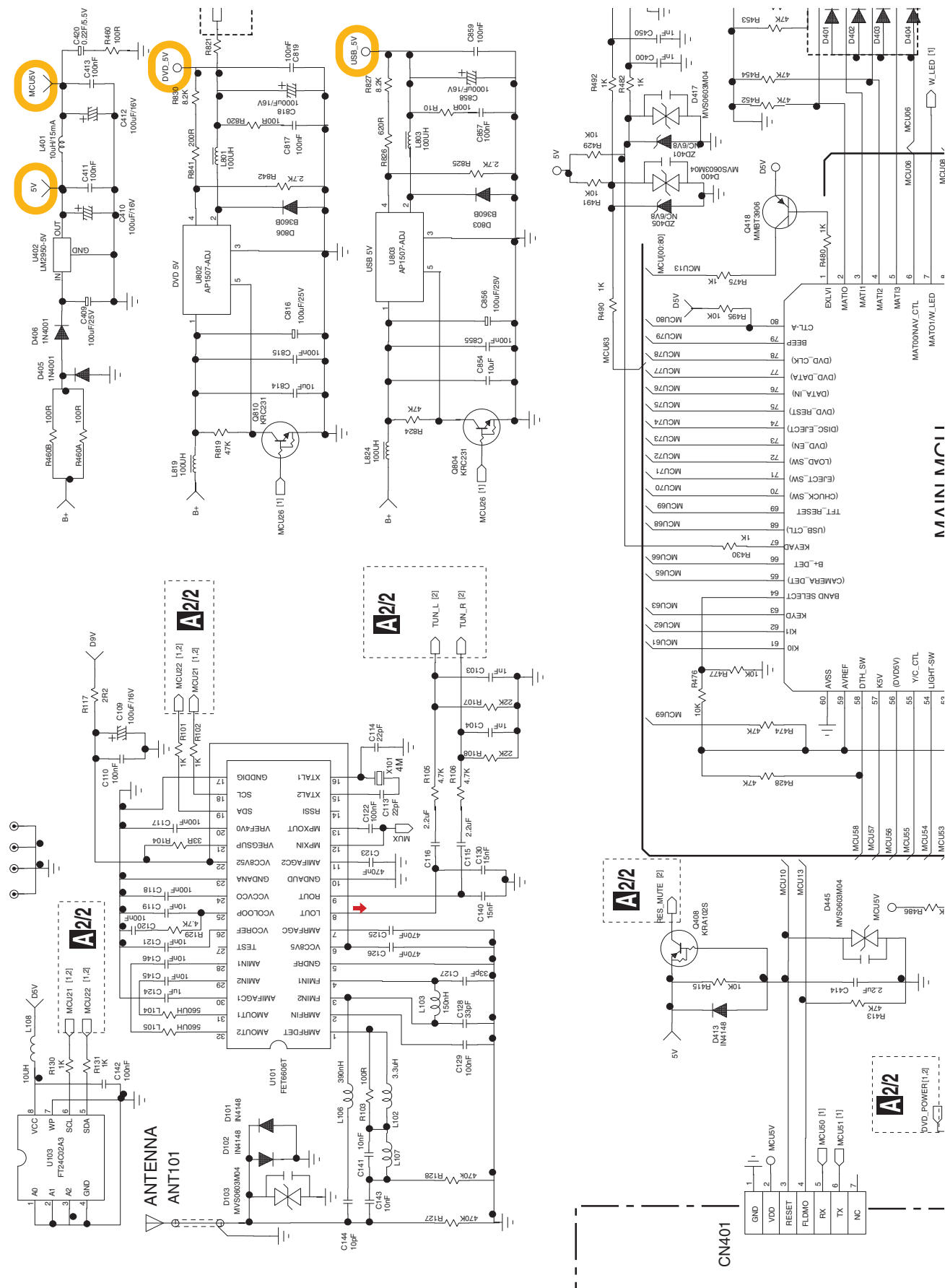
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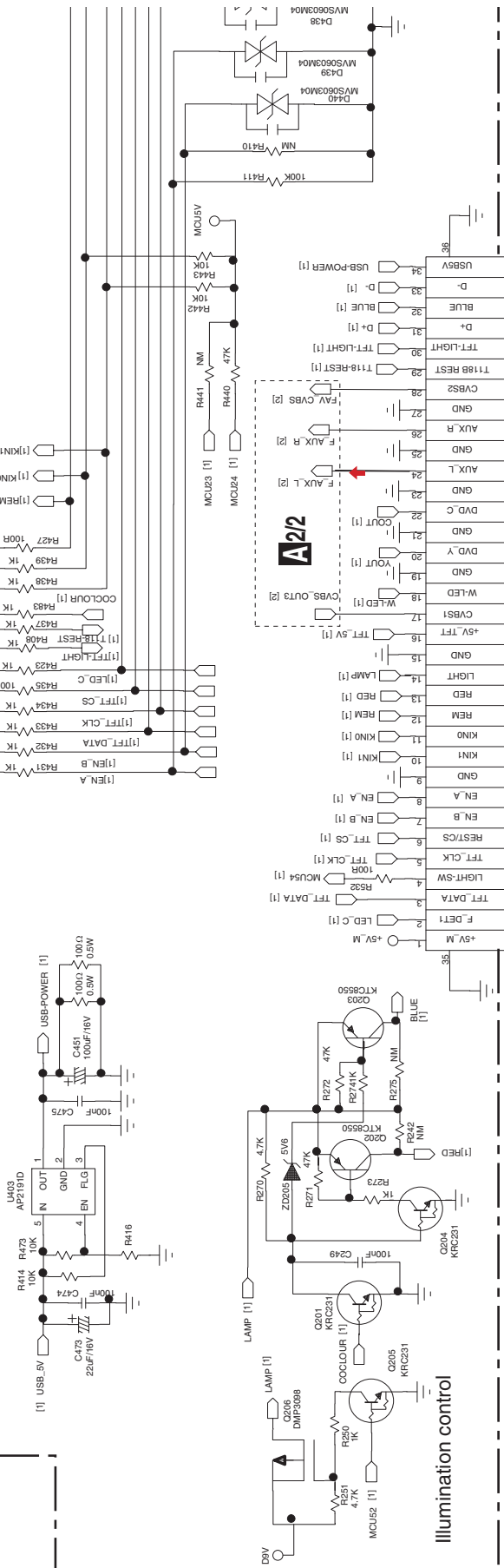
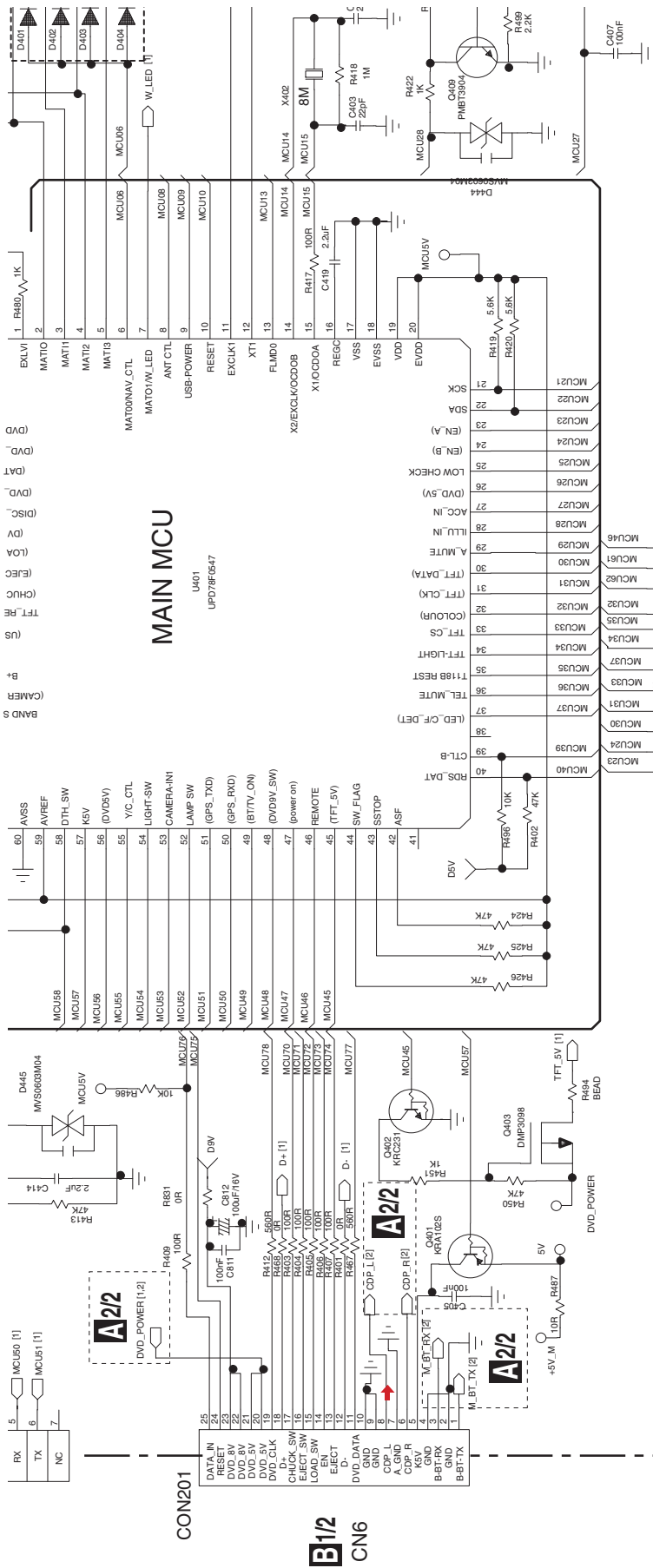
A-b 1/2

A-a A-b

A-a 1/2

DVH-840AVBT/XEUW5





A-b 1/2

FYCON34P-10SMT-90AAAAA

E CON2

A-a A-b

A-a 1/2

10.2 MB UNIT (2/2) (GUIDE PAGE)

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DVH-840AVBT/XEUW5

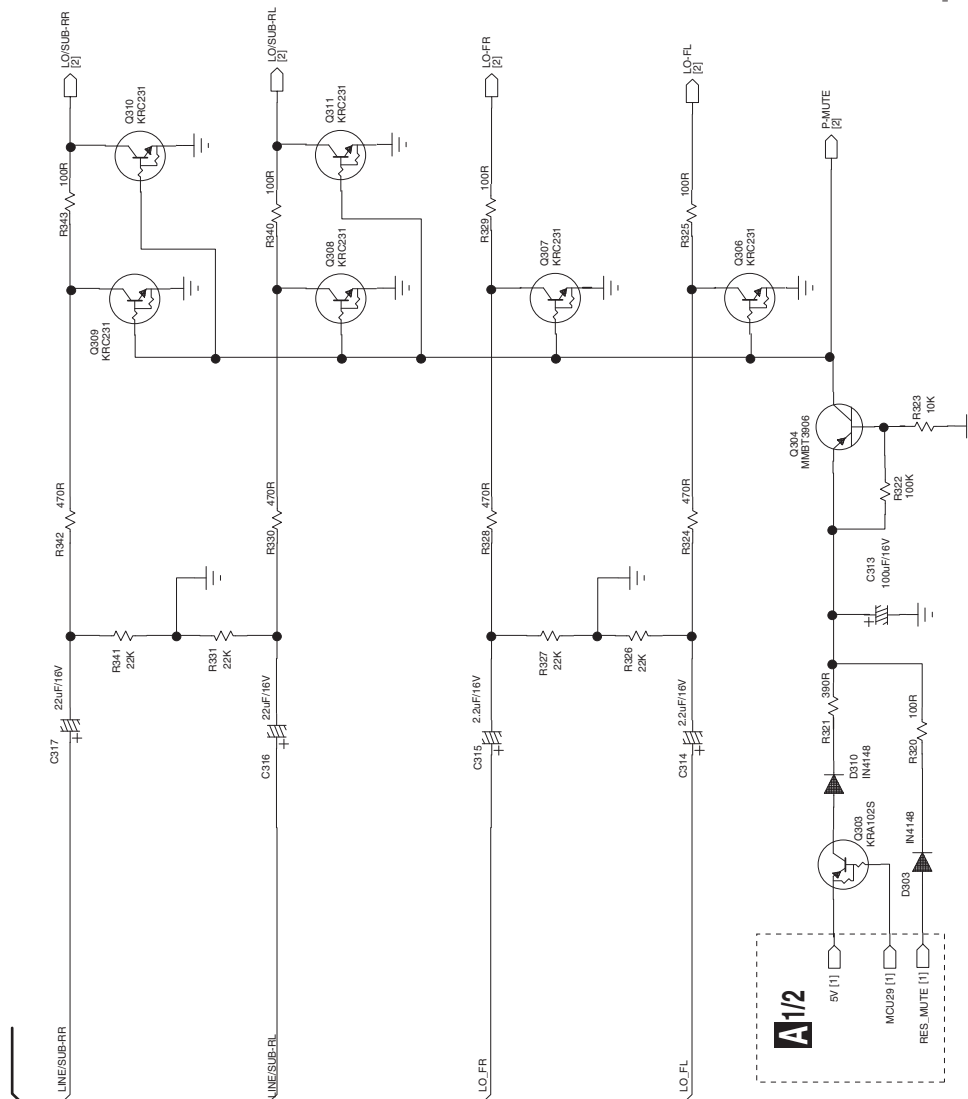
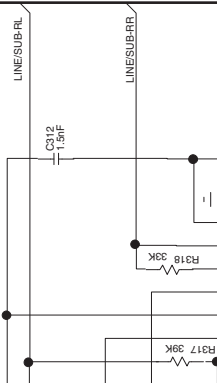
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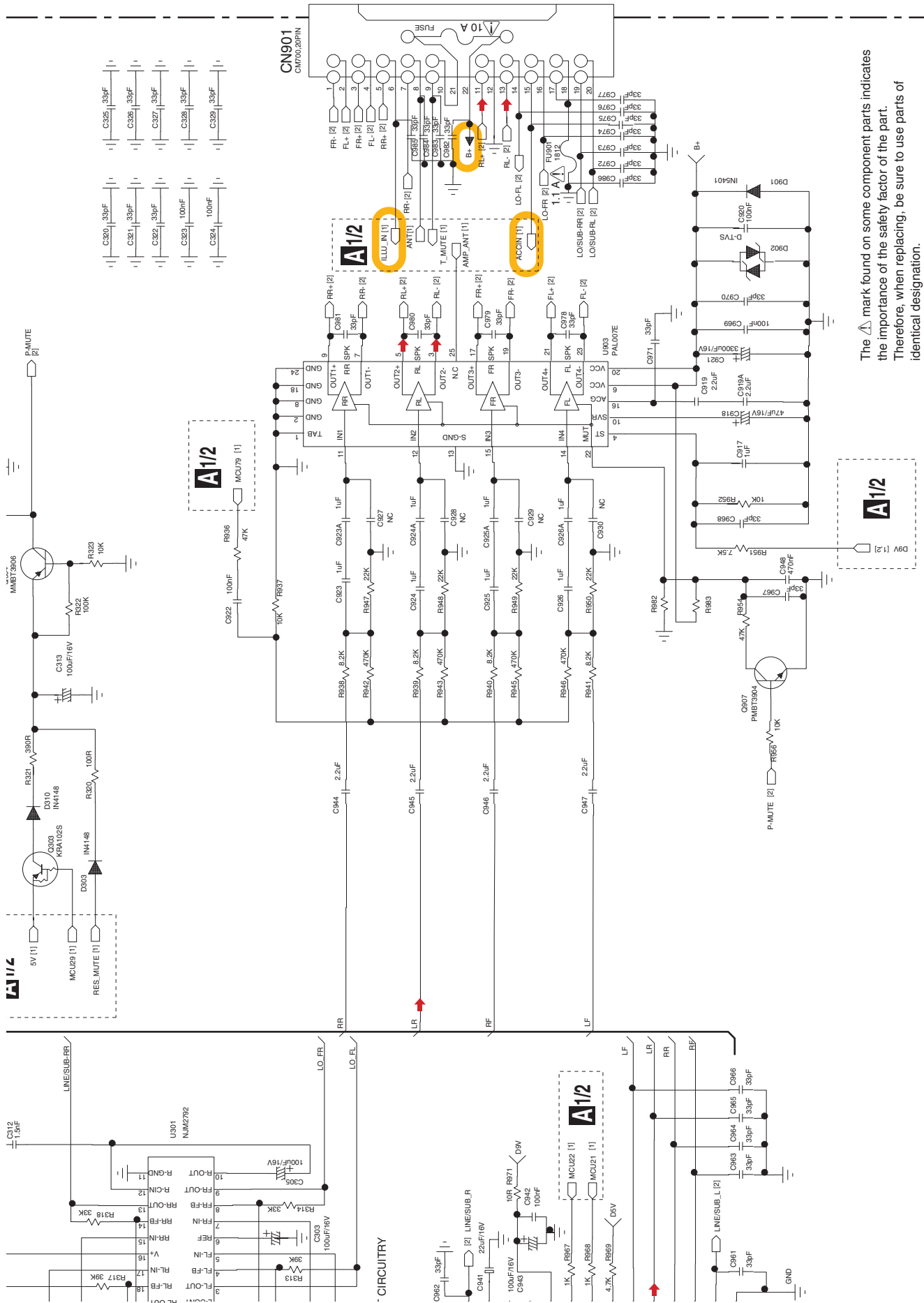
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The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

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A-a A-b

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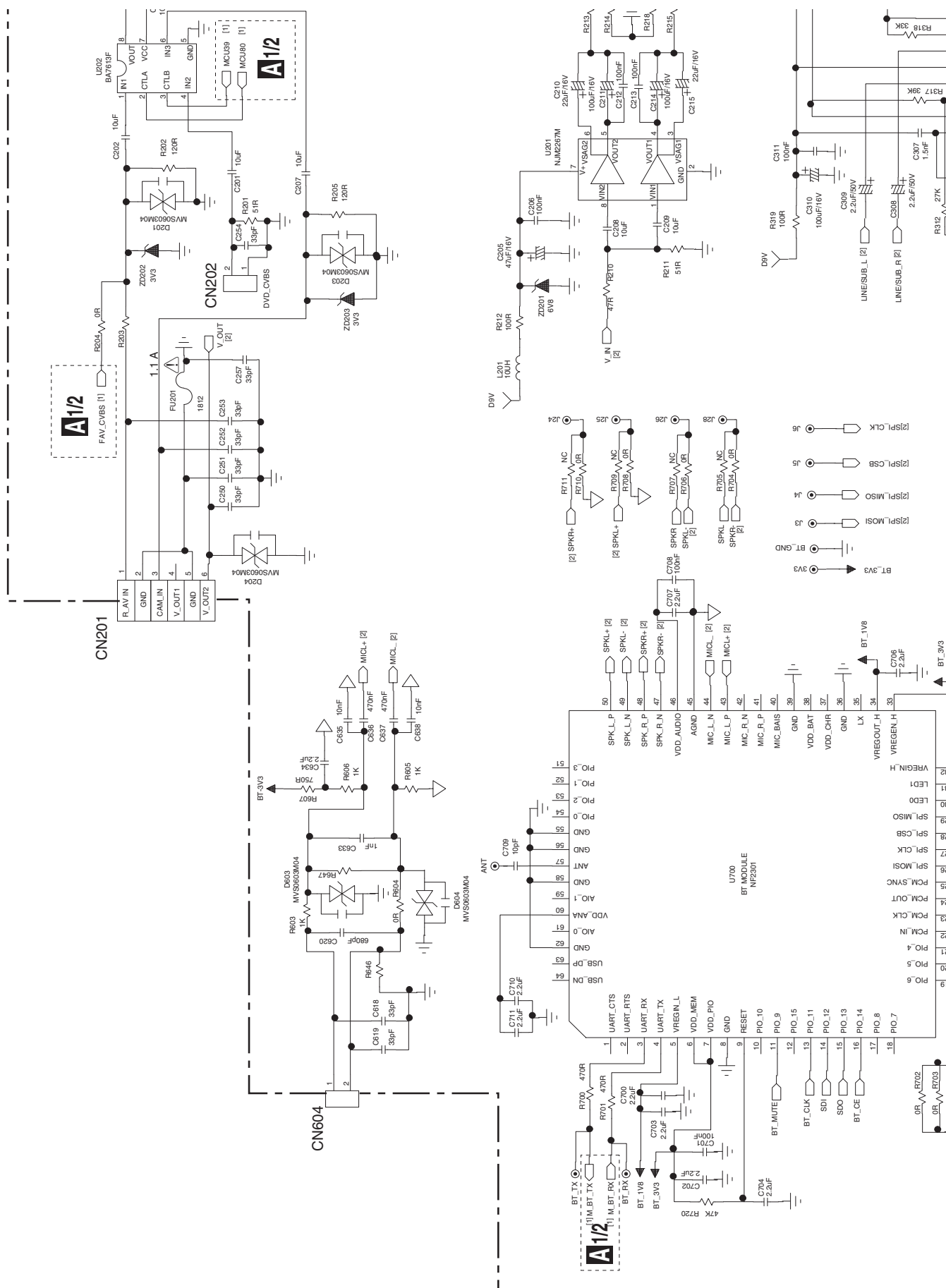
E

F

A-b 2/2

A-a A-b

A-a 2/2



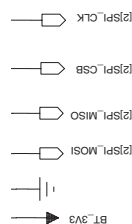
DVH-840AVBT/XEUW5

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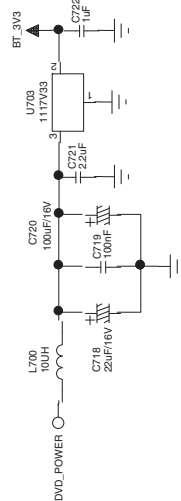
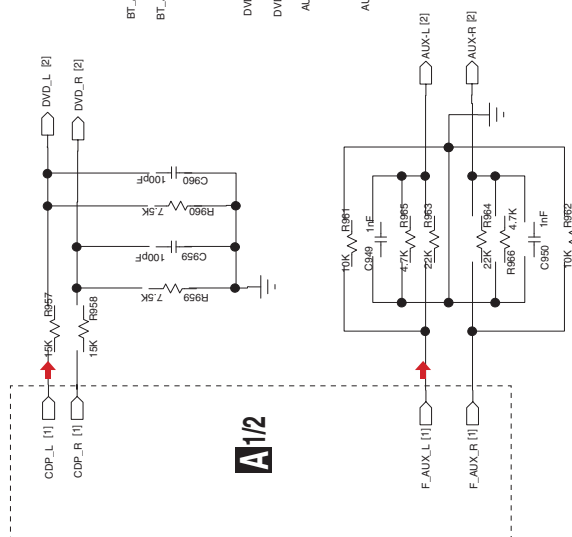
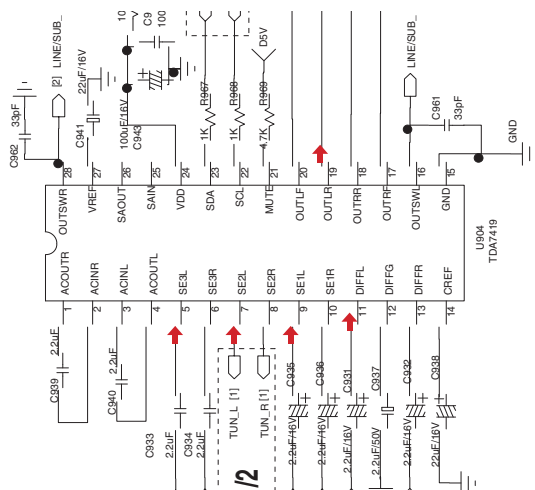
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LINE OUT CIRCUITRY



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10.3 SB SMT UNIT (POWER PART) (GUIDE PAGE)

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DVH-840AVBT/XEUW5

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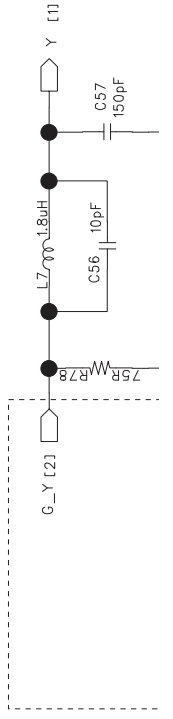
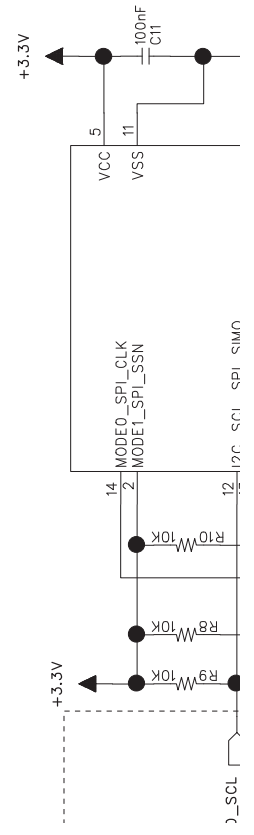
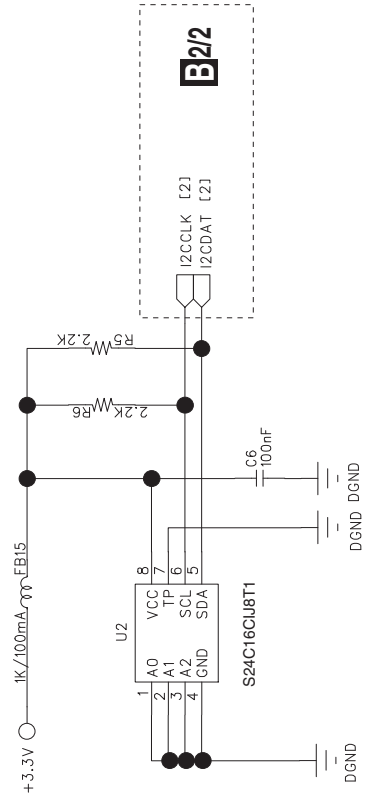
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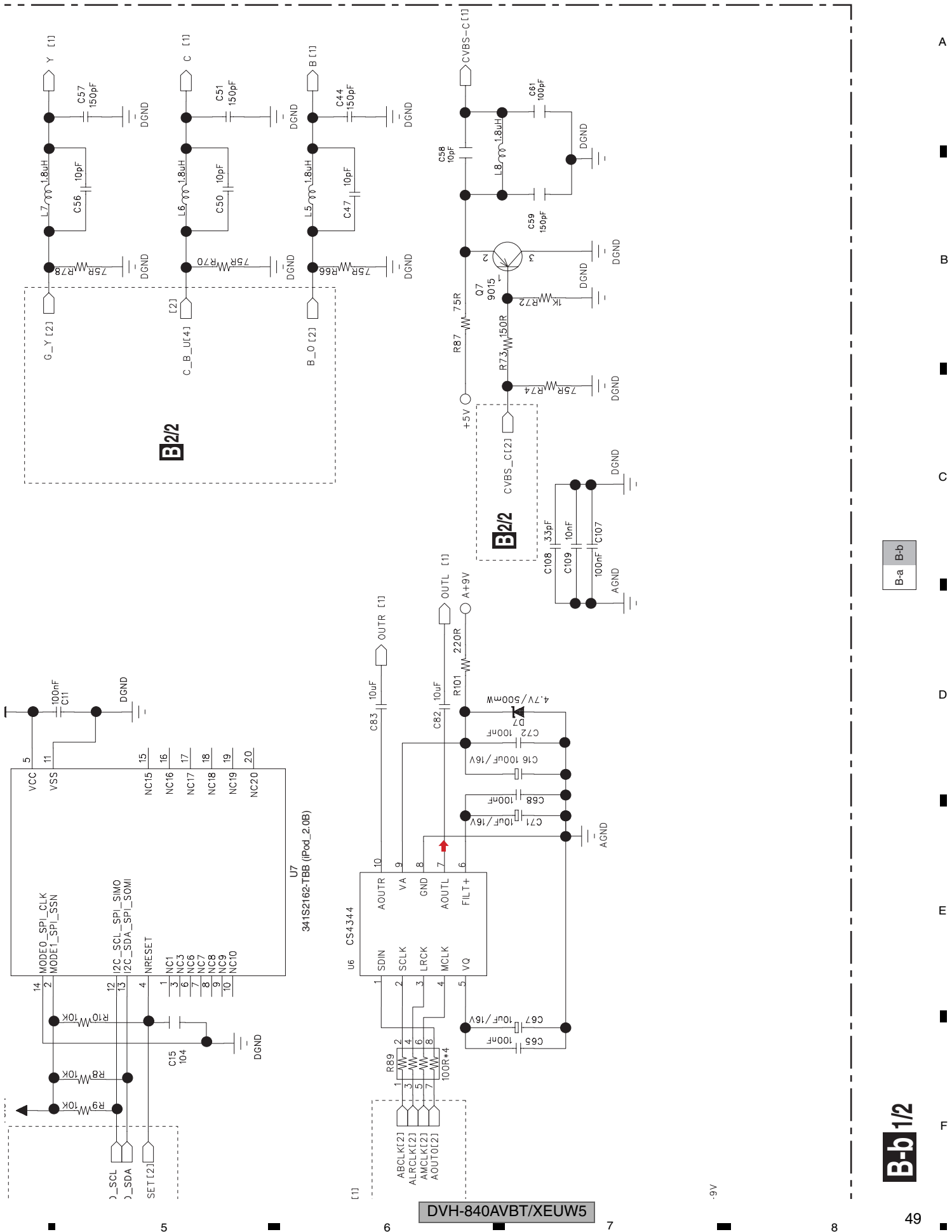
B-b 1/2

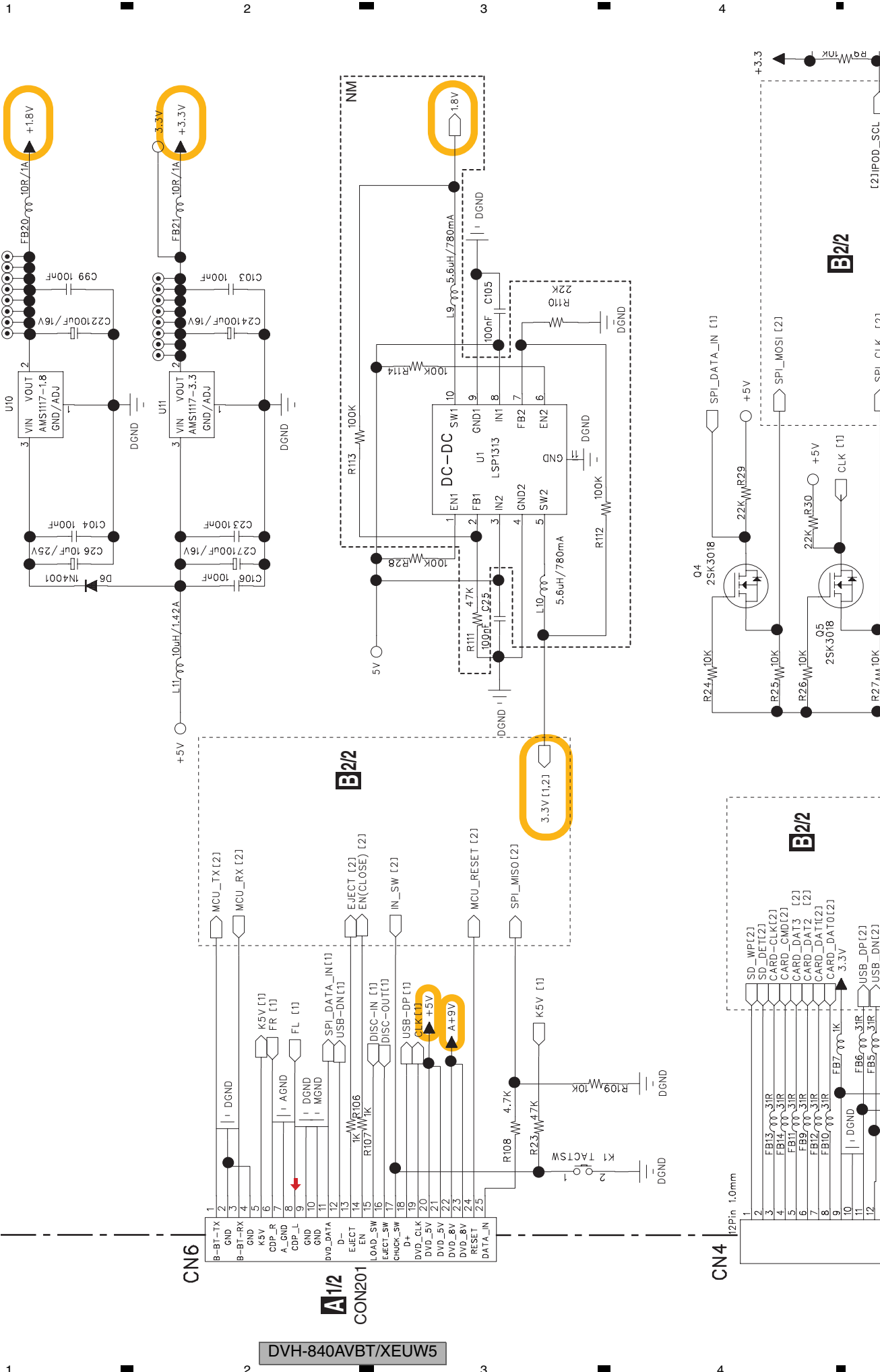
B-a B-b

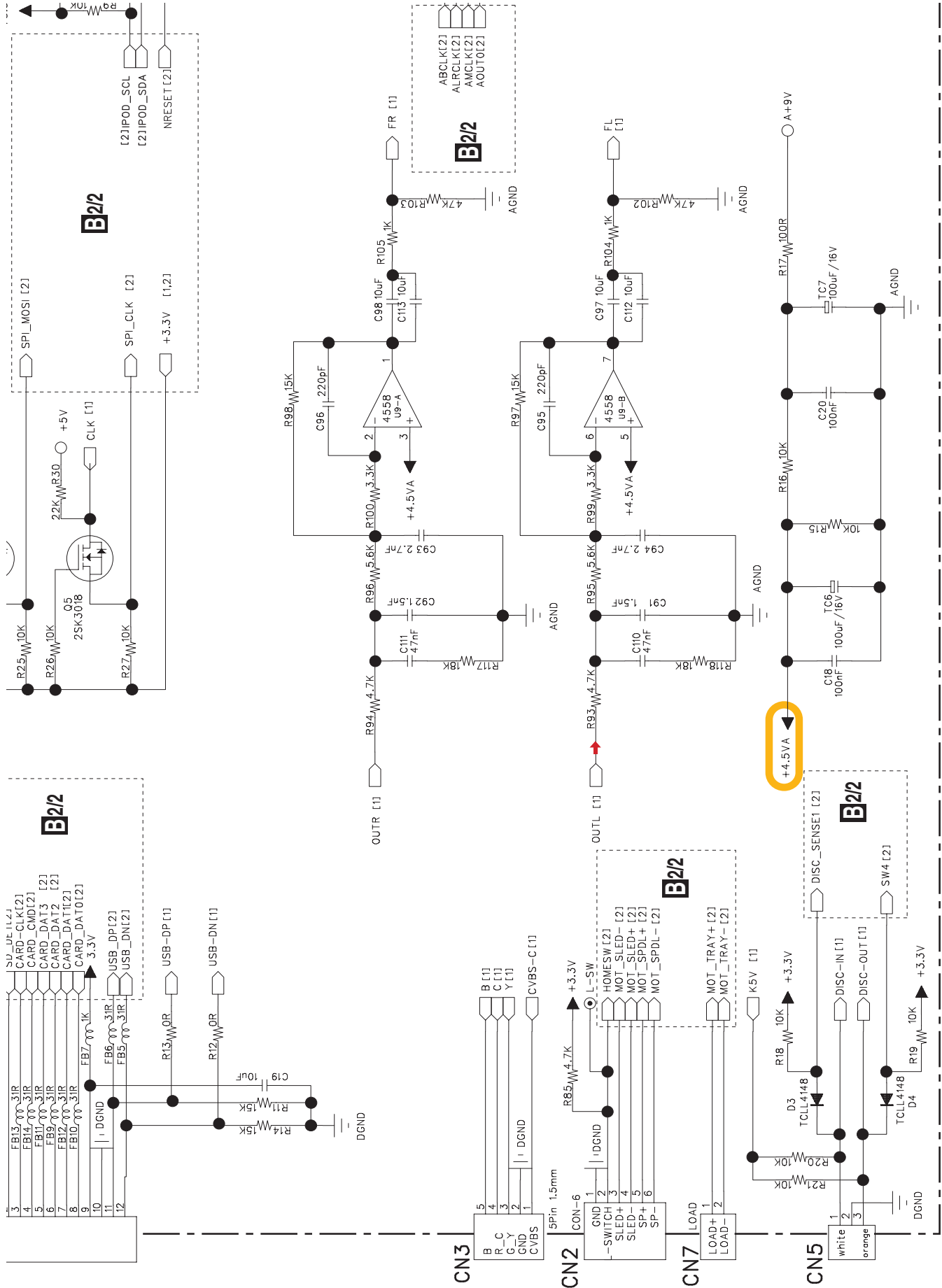


B1/2 SB SMT UNIT
(POWER PART)









DVH-840AVBT/XEUW5

B-b 1/2

B-a B-b

B-a 1/2

10.4 SB SMT UNIT (MAIN PART) (GUIDE PAGE)

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B-a 2/2

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B-b 2/2

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DVH-840AVBT/XEUW5

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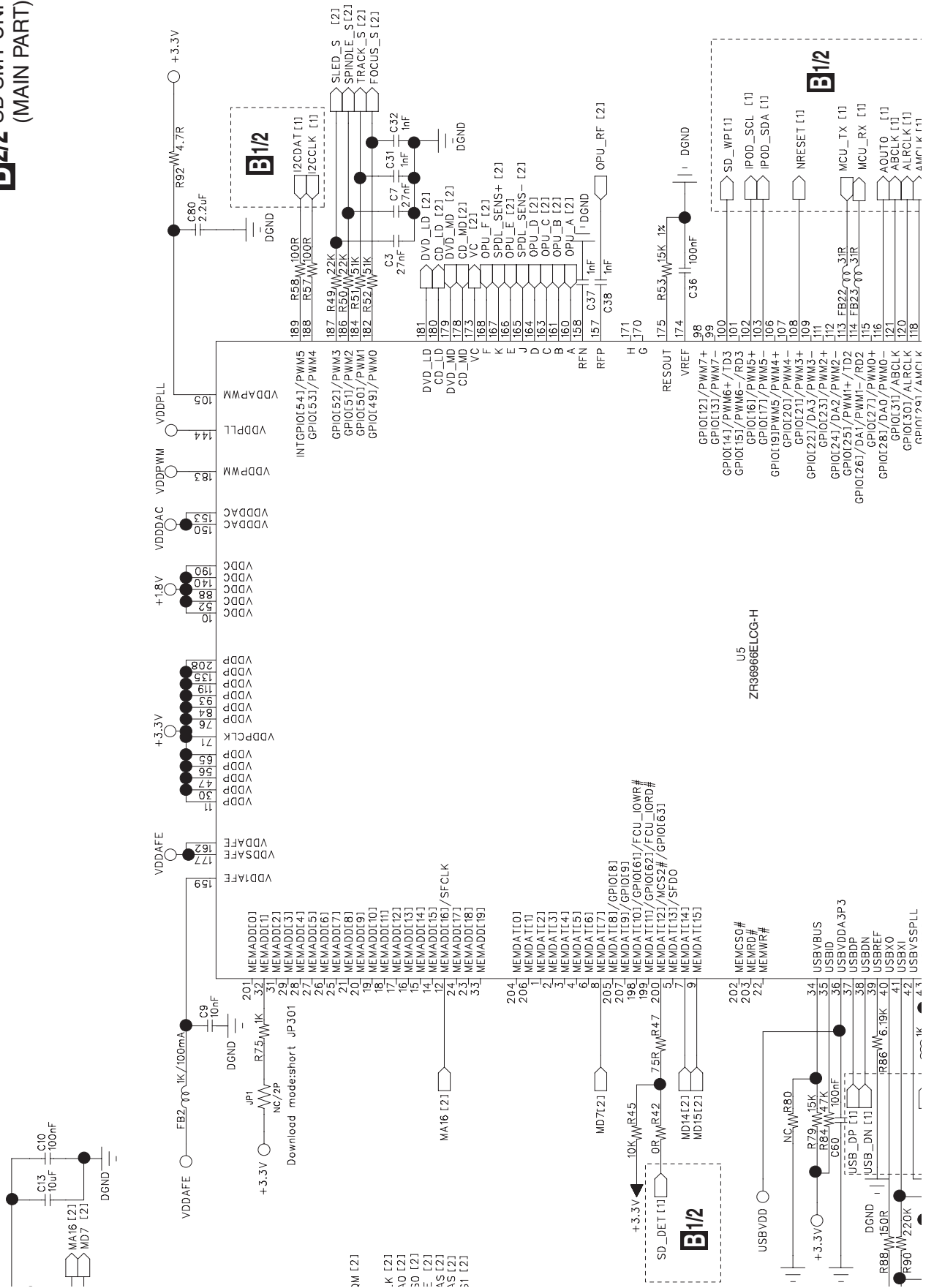
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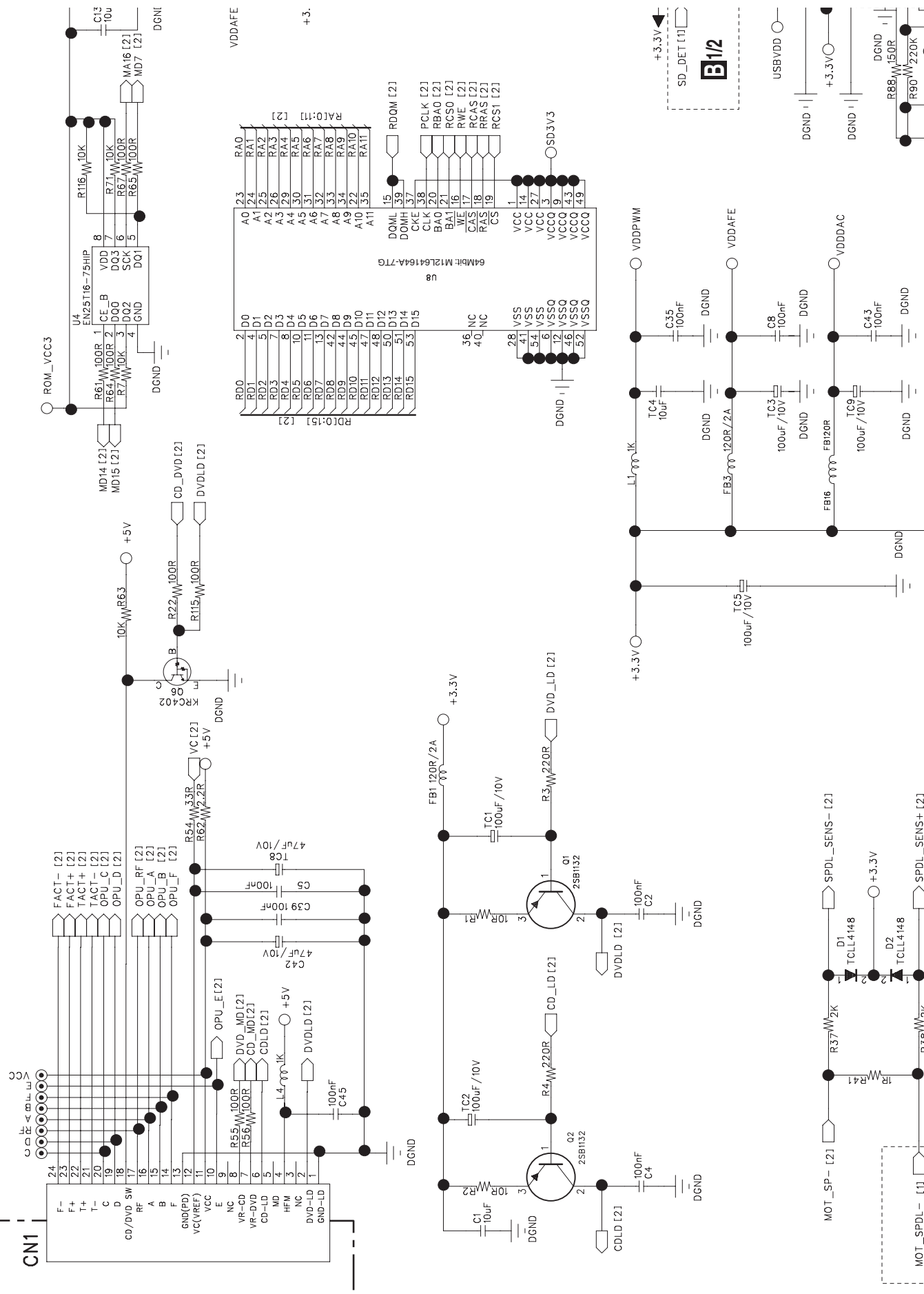
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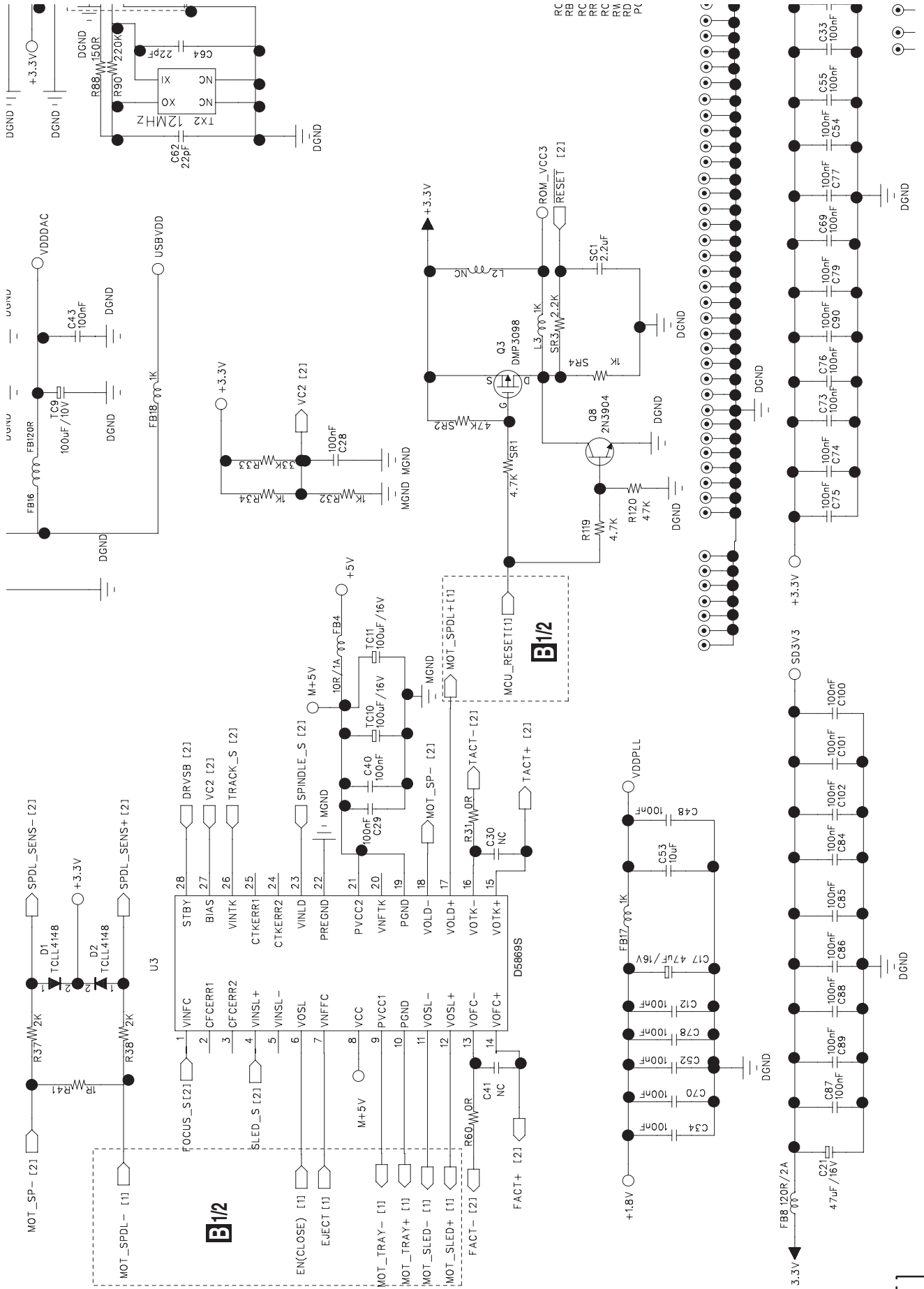
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B2/2 SB SMT UNIT
(MAIN PART)









10.5 KB PCB and AUX PCB (GUIDE PAGE)

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D

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E

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F

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C-b

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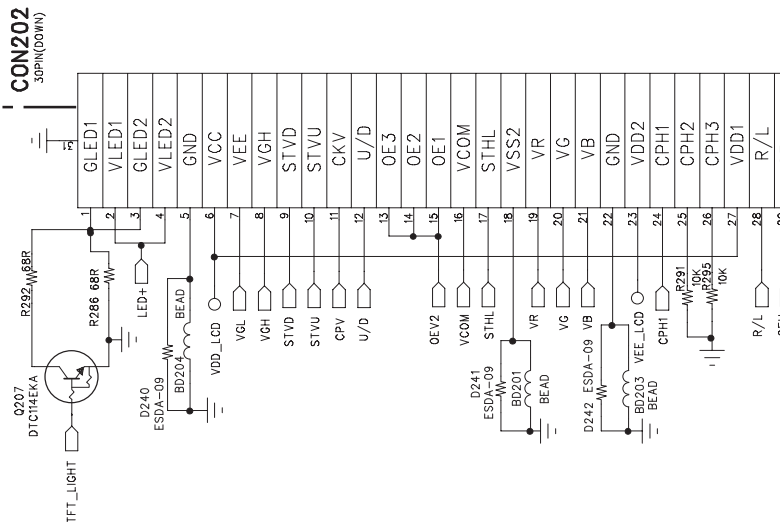
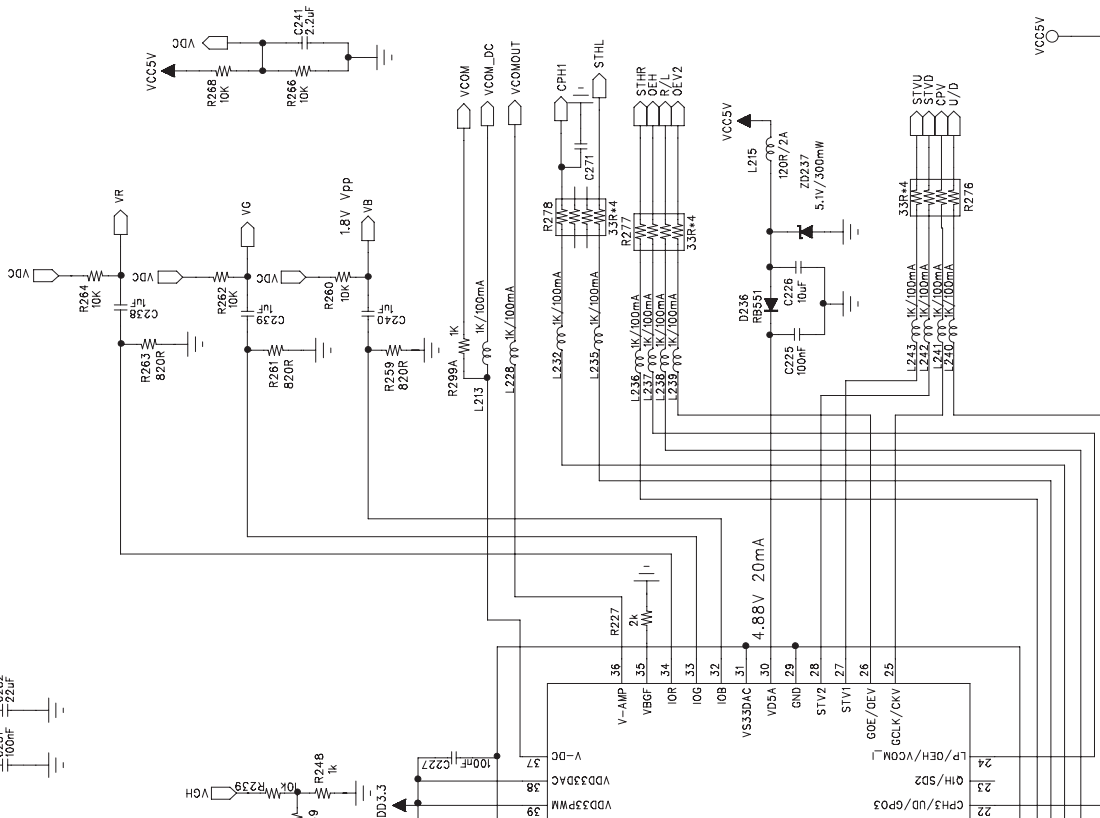
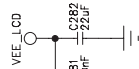
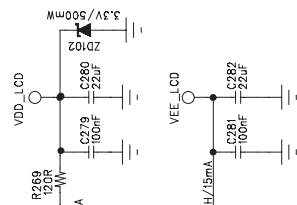
D

E

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C

D





KB ASSY
Consists of KB PCB AUX PCB

C-a	C-b
1	1
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97	97
98	98
99	99
100	100

A

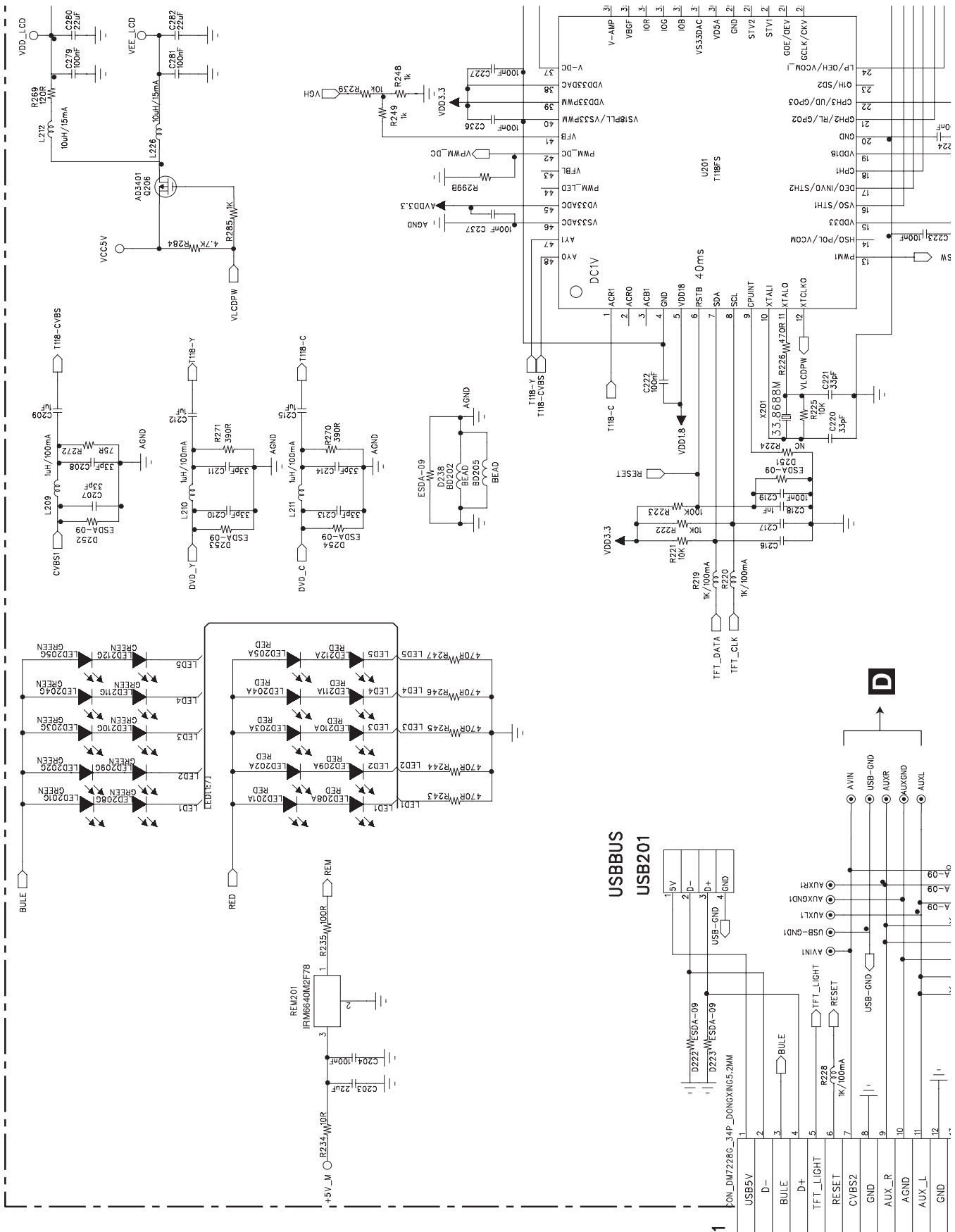
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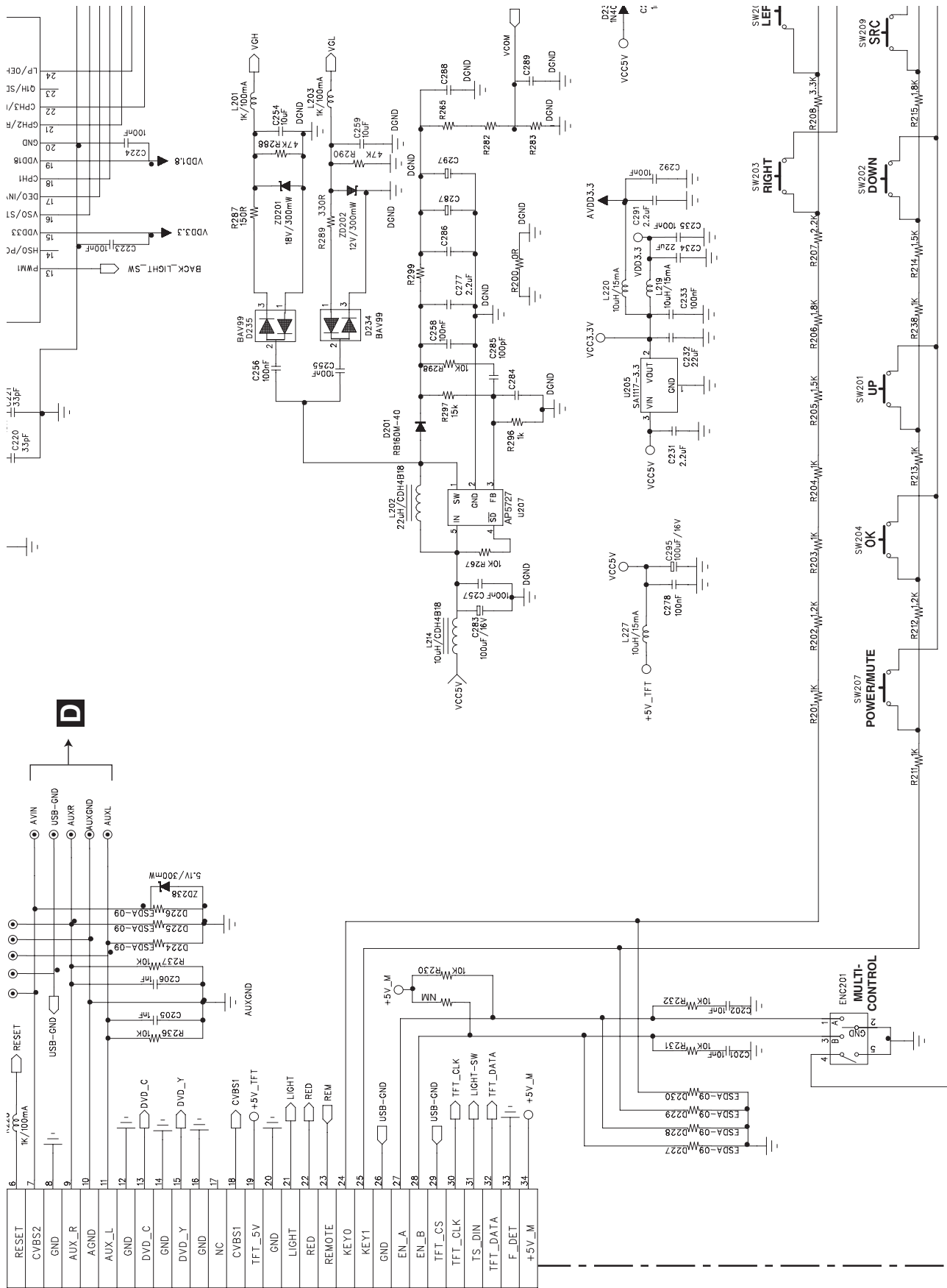
C

D

III

F



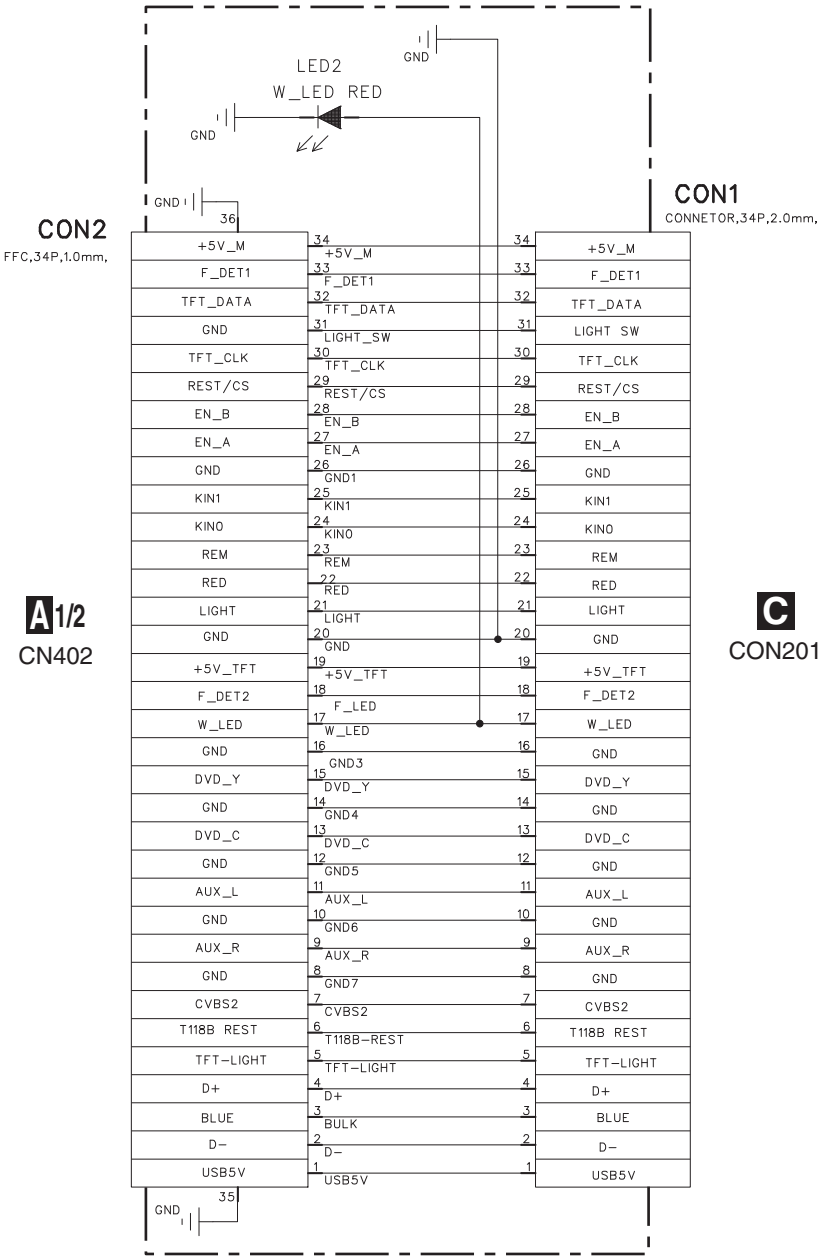


C-a C-b

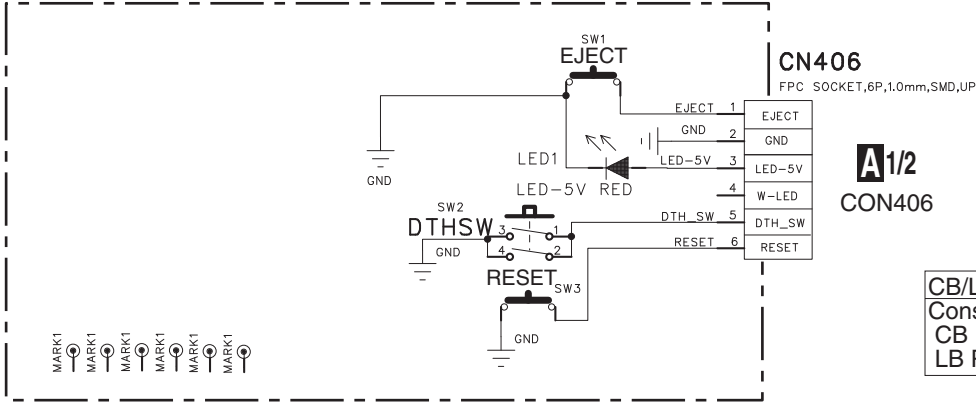
C-b

10.6 CB PCB and LB PCB

E CB PCB



F LB PCB



CB/LB ASSY
Consists of
CB PCB
LB PCB

■

5

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6

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7

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8

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A

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B

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C

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D

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E

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F

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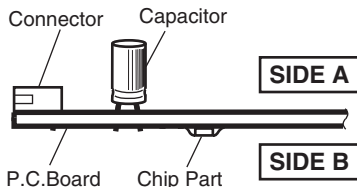
11. PCB CONNECTION DIAGRAM

11.1 MB UNIT

NOTE FOR PCB DIAGRAMS

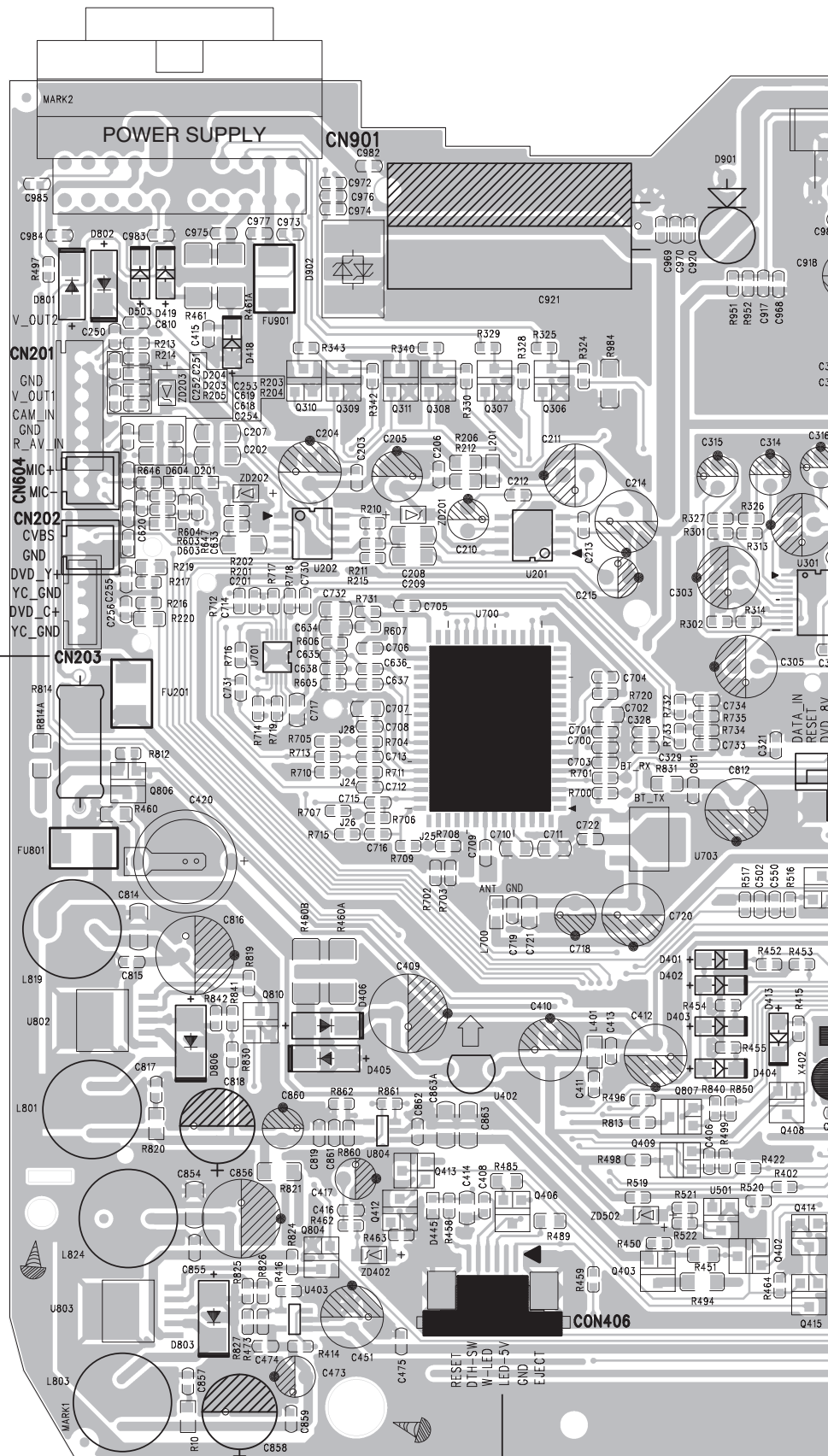
1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

2. Viewpoint of PCB diagrams



A MB UNIT

SERVO



F CN406

A

SIDE A

A

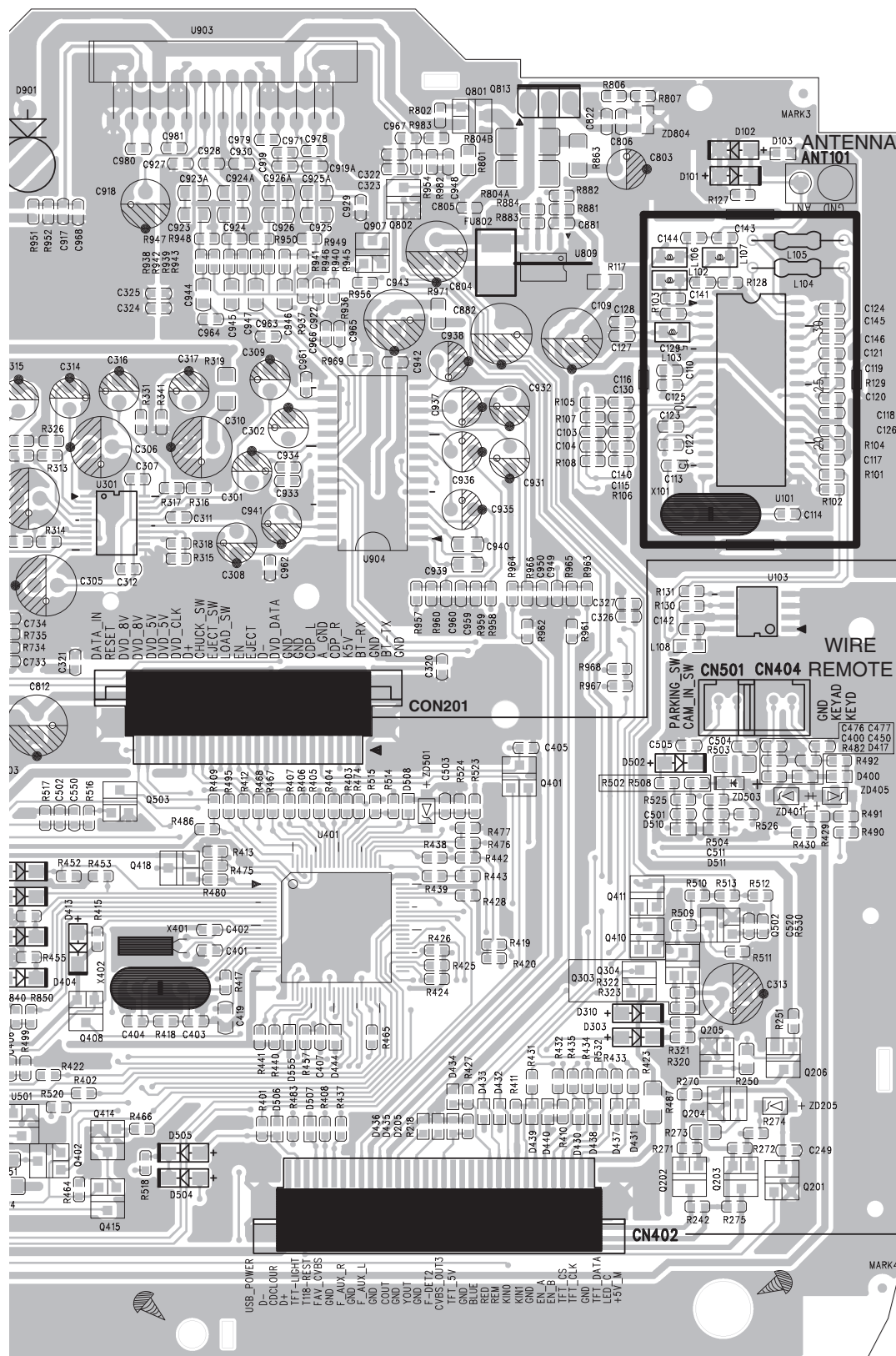
B

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A

A MB UNIT

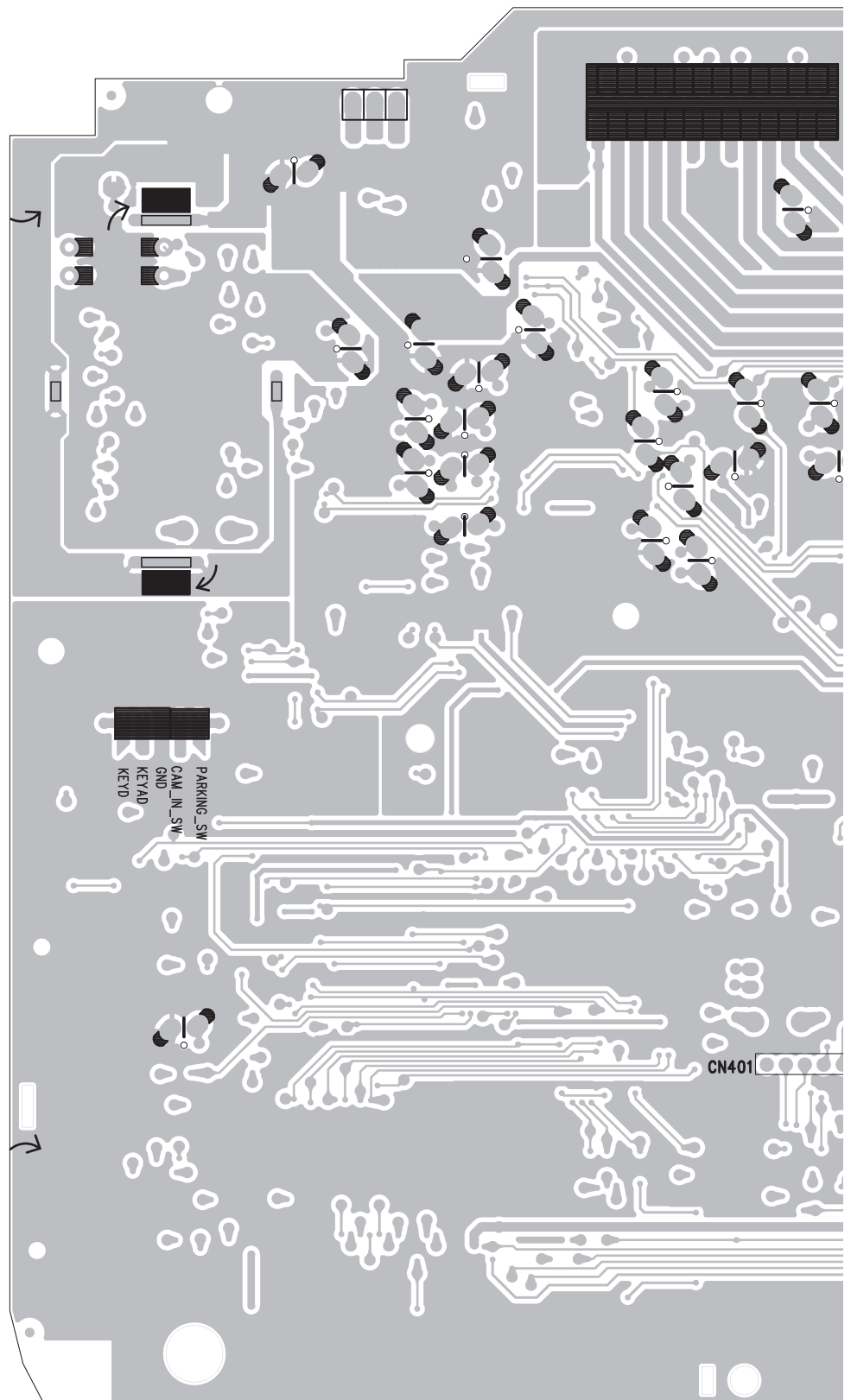
B

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F



SIDE B

A

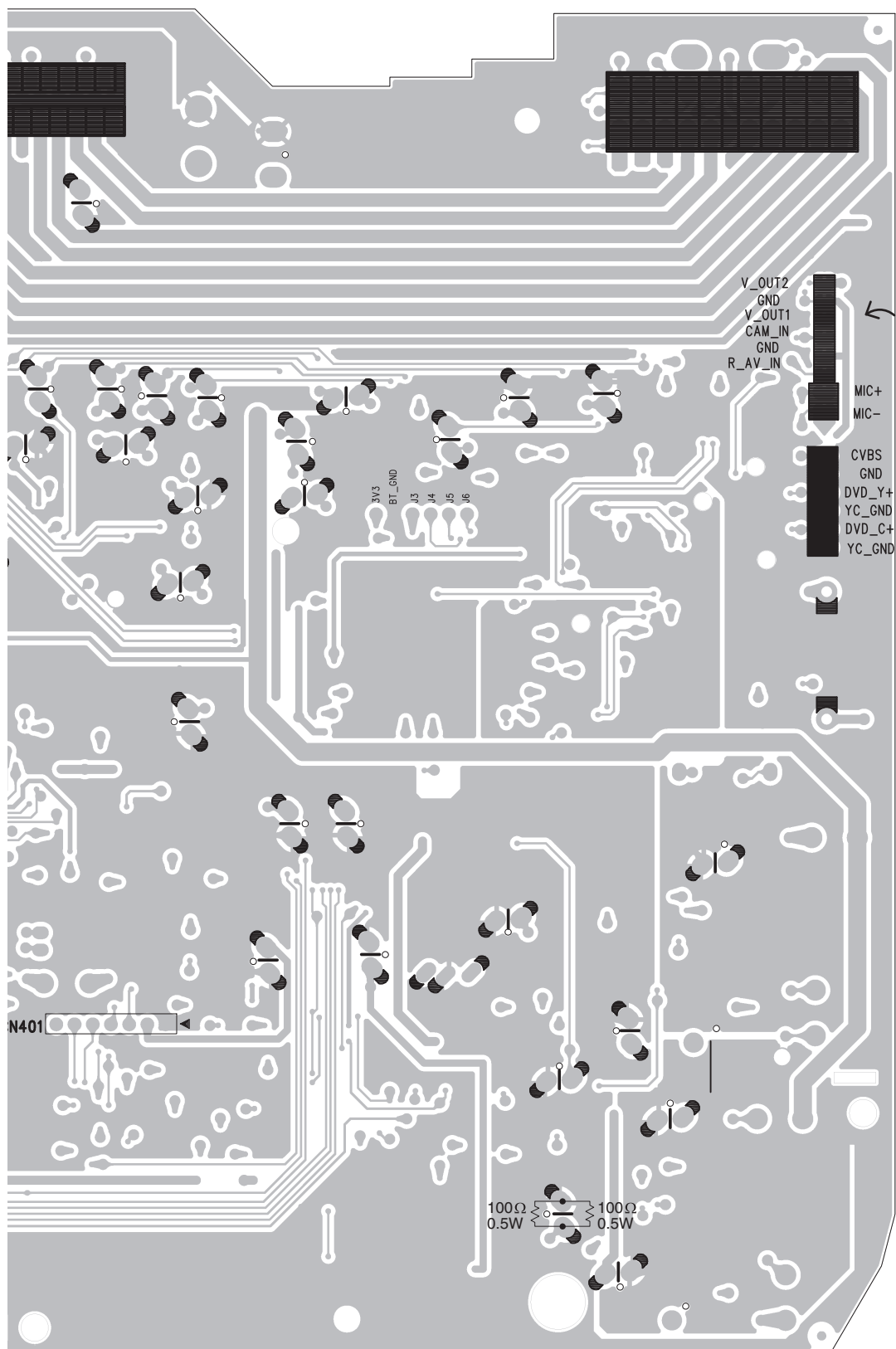
B

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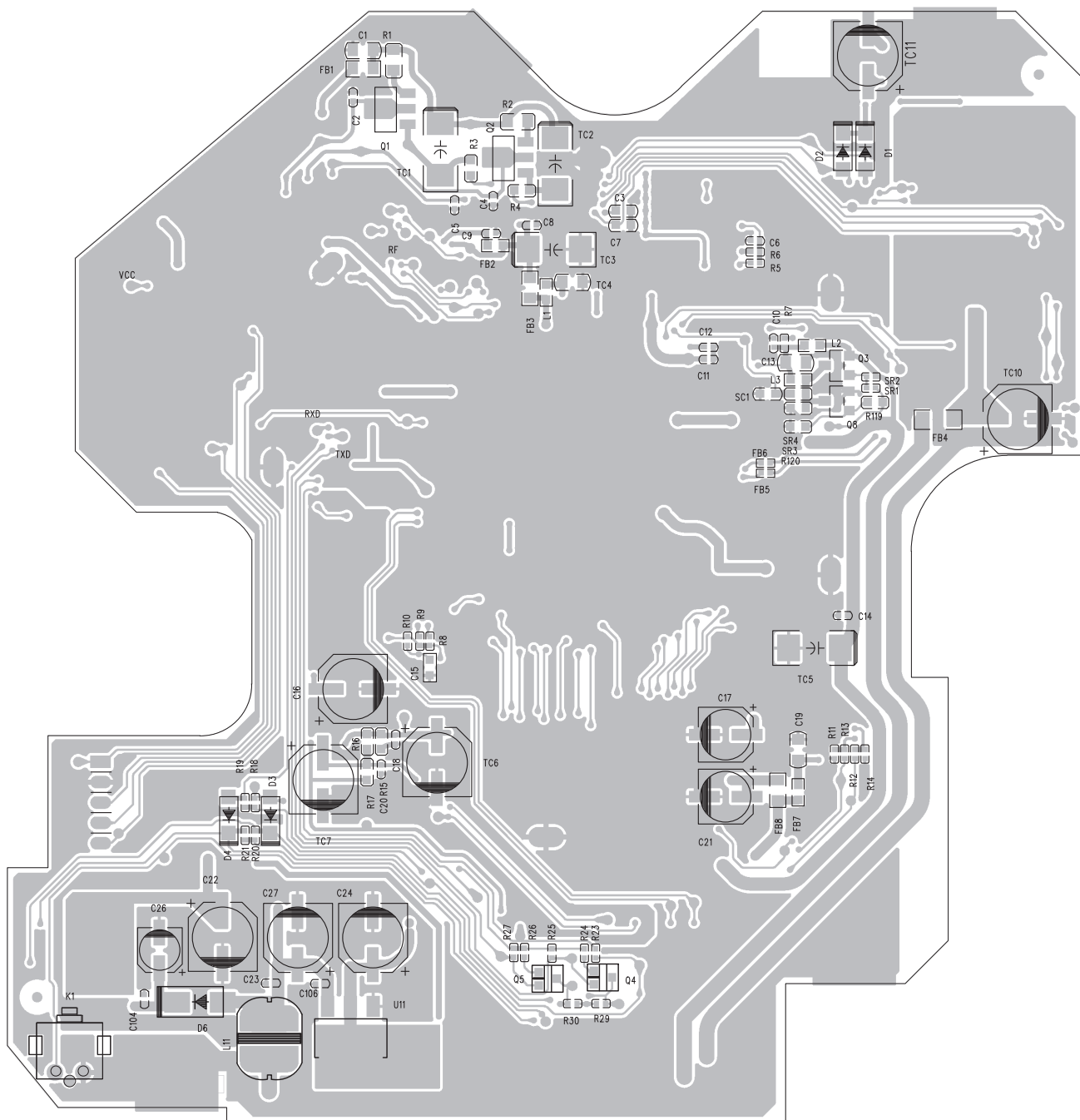


SIDE A



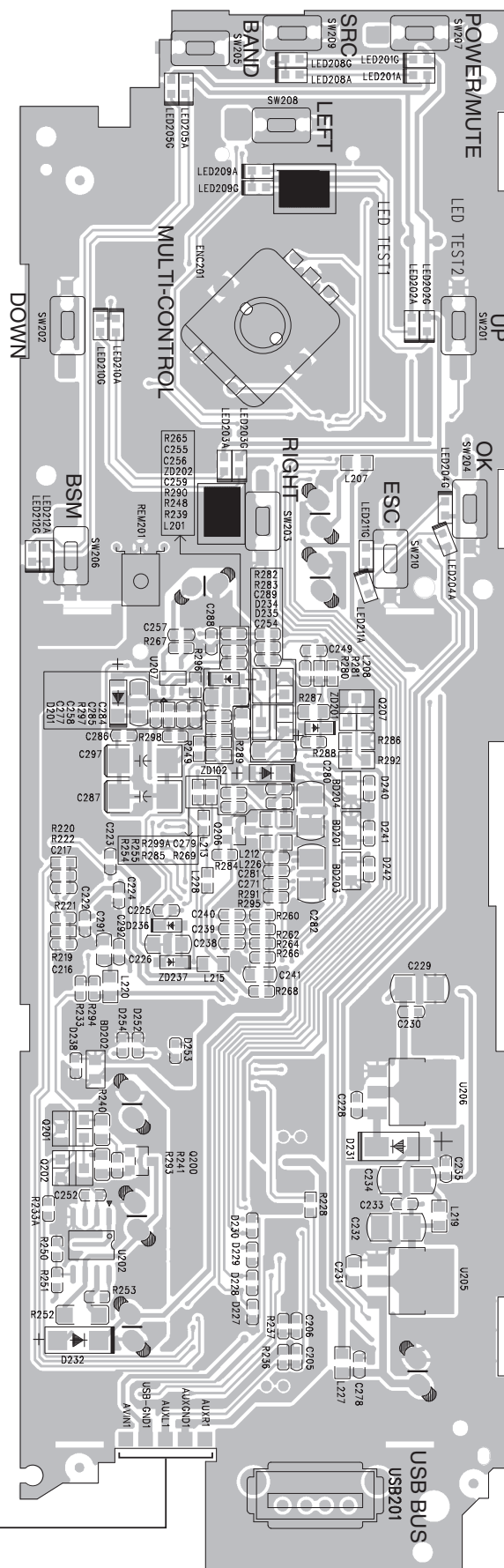
70

B SB SMT UNIT

SIDE B


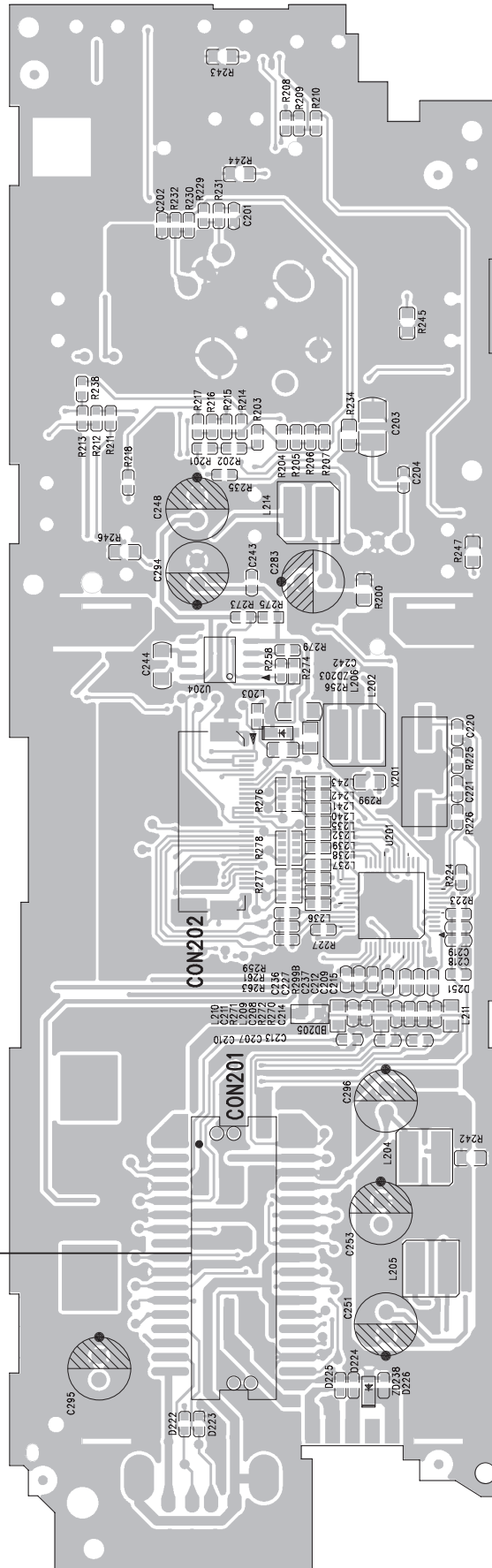
C KB PCB

SIDE A



DVH-840AVBT/XEUW5

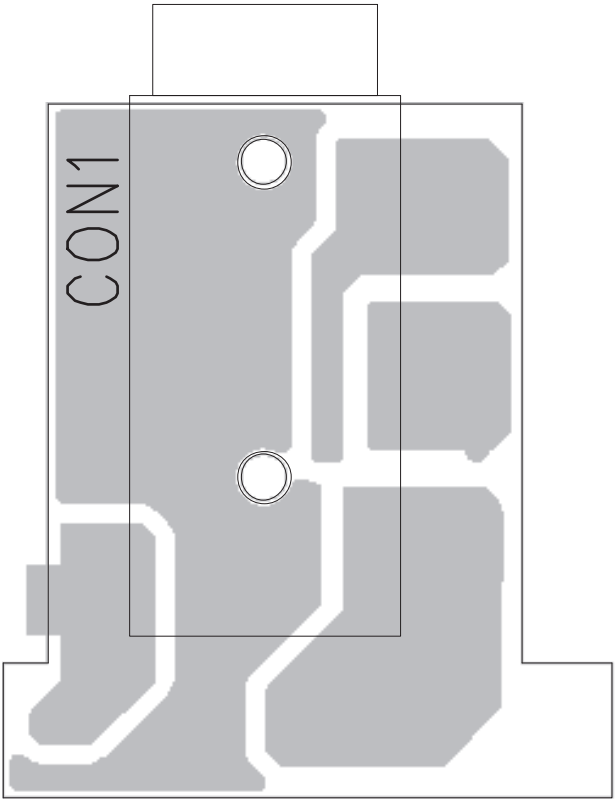
E CON1



11.4 AUX PCB

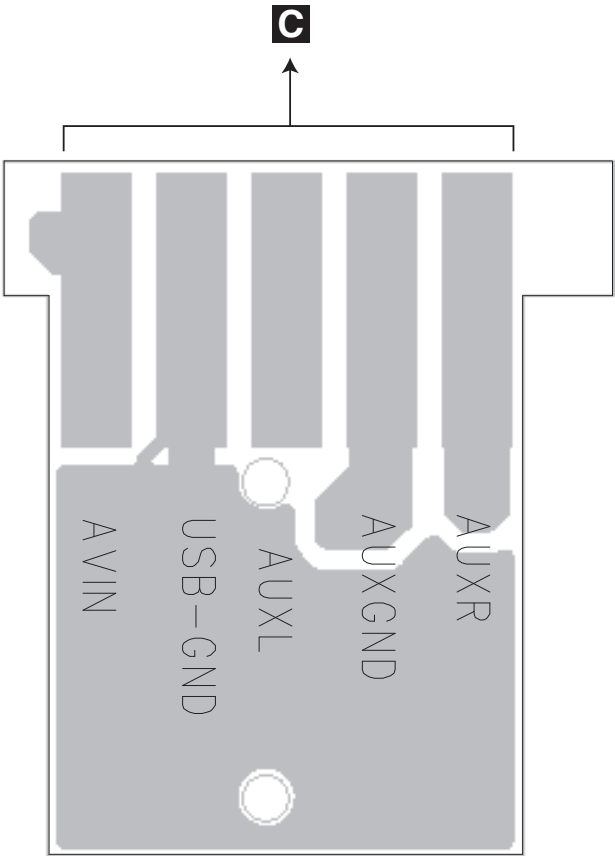
D AUX PCB

SIDE A



D AUX PCB

SIDE B

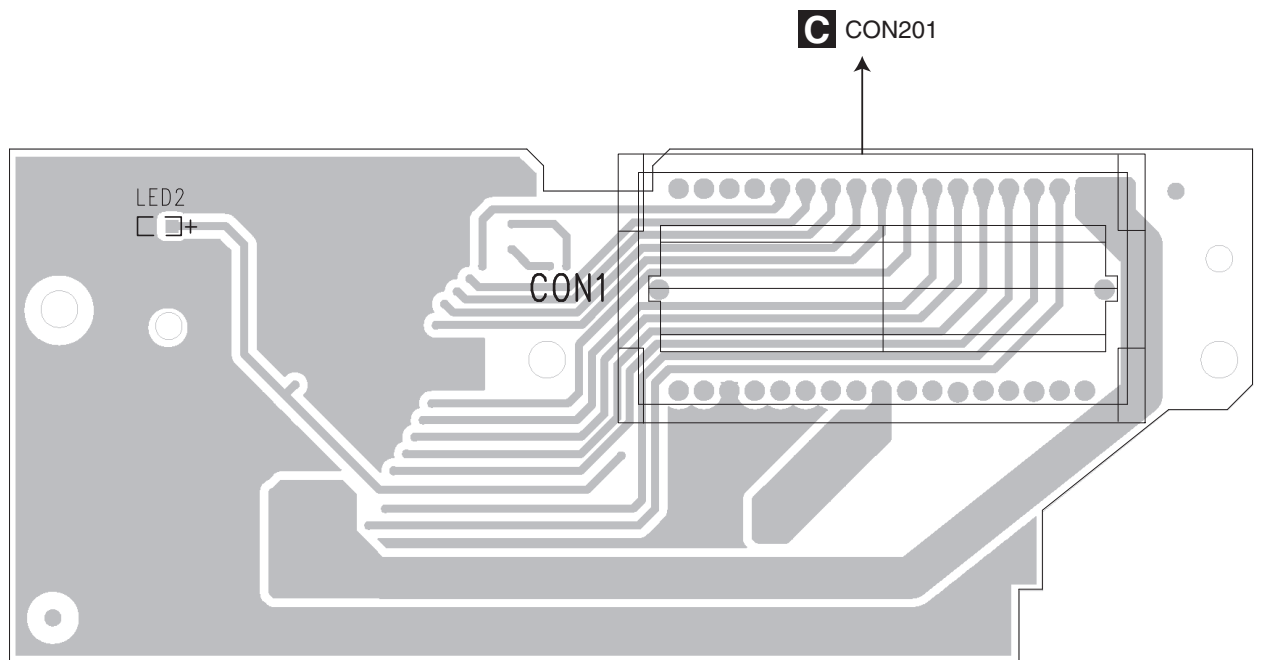


D

11.5 CB PCB

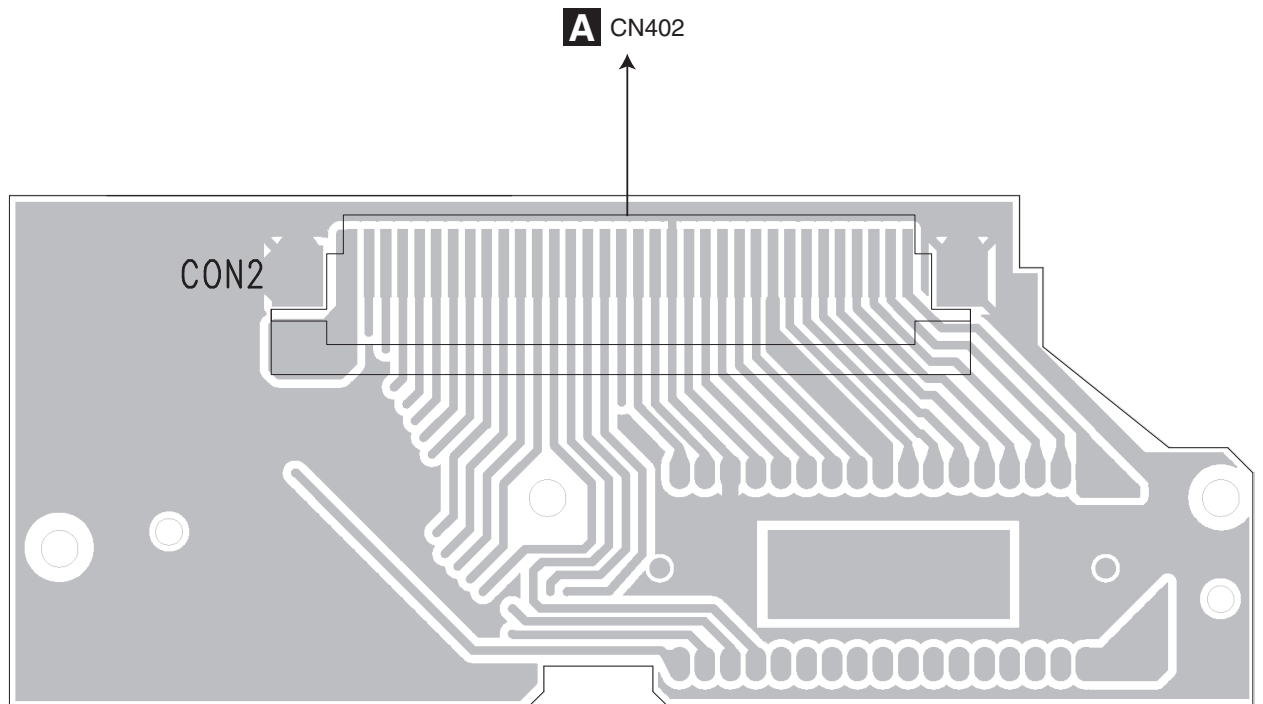
E CB PCB

SIDE A



E CB PCB

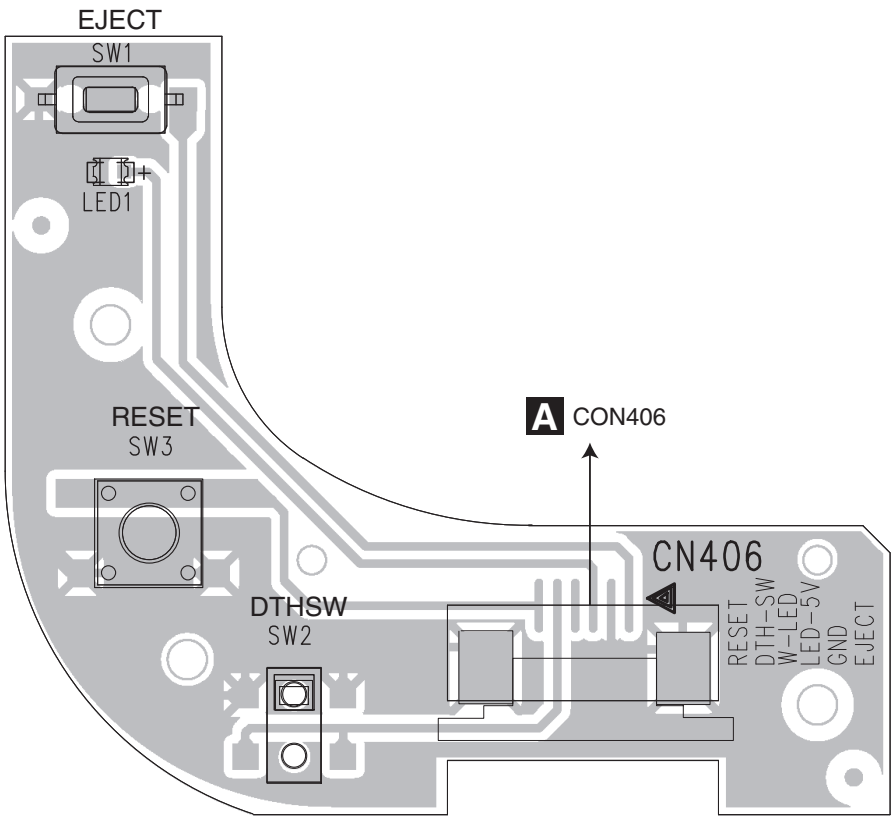
SIDE B



11.6 LB PCB

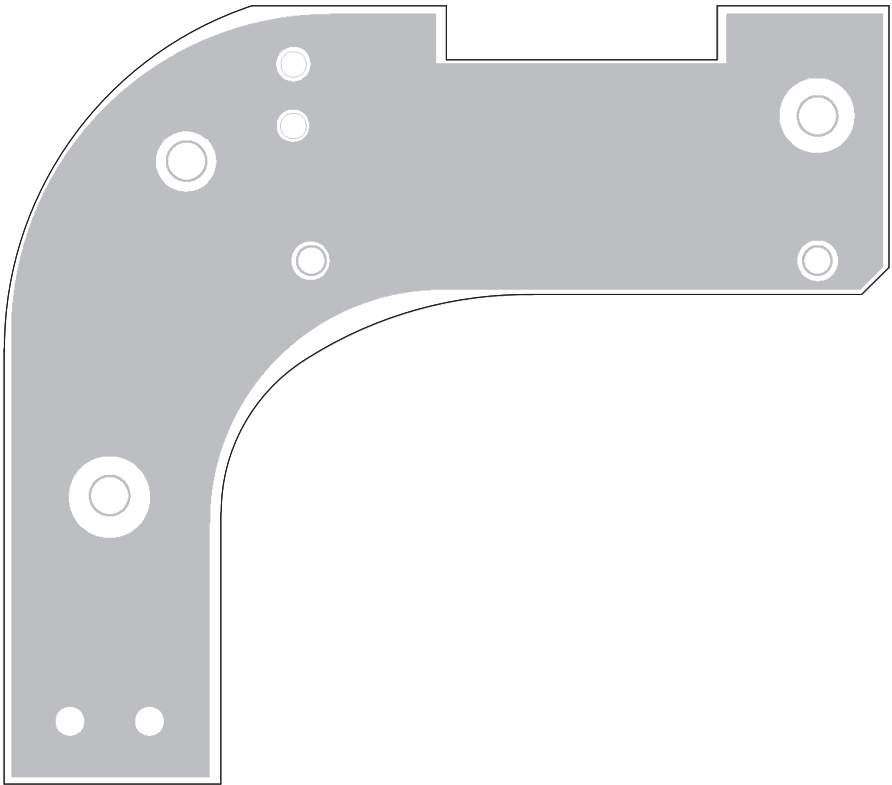
F LB PCB

SIDE A



F LB PCB

SIDE B



F

12. ELECTRICAL PARTS LIST

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*

Chip Resistor

$$RS1/\bigcirc S\bigcirc\bigcirc\bigcirc.J, RS1/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc.J$$

Chip Capacitor (except for CQS.....)

CKS..... CCS..... CSZS.....

- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

- The expression of the unit in this manual is shown by u instead of μ . Please do not make a mistake.

<u>Circuit Symbol and No.</u>		<u>Part No.</u>	<u>Circuit Symbol and No.</u>		<u>Part No.</u>
A:DVH-840AVBT/XEUW5			U803	IC	142400001288-FY
			U804	IC	142400001362-FY
B:DVH-8480AVBT/XFBR			U809	IC	142400001407-FY
Unit Number : 843DM7376HRMB003-FY(A)			U903	IC	PAL007E
 : CYW1008(B)			U904	IC	142400000384-FY
Unit Name : MB Unit			Q201	TRANSISTOR	142245000077-FY
			Q202	TRANSISTOR	142245000029-FY
Unit Number : 842DM7376HRSB003-FY(A)			Q203	TRANSISTOR	142245000029-FY
			Q204	TRANSISTOR	142245000077-FY
 : 882DM7376HBSB003-FY(B)			Q205	TRANSISTOR	142245000077-FY
			Q206	FET	142266000069-FY
Unit Name : SB SMT Unit			Q303	TRANSISTOR	142245000017-FY
Unit Number :			Q304	TRANSISTOR	142245000048-FY
Unit Name : KB Assy			Q306	TRANSISTOR	142245000021-FY
			Q307	TRANSISTOR	142245000021-FY
Unit Number :			Q308	TRANSISTOR	142245000021-FY
			Q309	TRANSISTOR	142245000021-FY
Unit Name : CB/LB Assy			Q310	TRANSISTOR	142245000021-FY
			Q311	TRANSISTOR	142245000021-FY
A			Q401	TRANSISTOR	142245000017-FY
Unit Number : 843DM7376HRMB003-FY(A)			Q402	TRANSISTOR	142245000077-FY
 : CYW1008(B)			Q403	MOSFET	142266000075-FY
Unit Name : MB Unit			Q406	TRANSISTOR	142245000017-FY
			Q408	TRANSISTOR	142245000017-FY
			Q409	TRANSISTOR	142290000144-FY
<u>MISCELLANEOUS</u>			Q410	TRANSISTOR	142245000077-FY
			Q411	TRANSISTOR	142245000017-FY
U101	IC	142400001072-FY	Q412	TRANSISTOR	142290000144-FY
U103	IC	142490000340-FY	Q413	TRANSISTOR	142245000017-FY
U201	IC	142400000276-FY	Q414	TRANSISTOR	142290000144-FY
U202	IC	142400000817-FY	Q415	TRANSISTOR	142245000017-FY
U301	IC	142400001137-FY	Q418	TRANSISTOR	142245000048-FY
U401	IC	142400001175-FY	Q502	TRANSISTOR	142290000144-FY
U402	IC	142400000218-FY	Q503	TRANSISTOR	142290000144-FY
U403	IC	142400001362-FY	Q801	FET	142266000069-FY
U501	IC	142490000375-FY	Q802	TRANSISTOR	142245000077-FY
U700	MODULE	144830000304-FY	Q804	TRANSISTOR	142245000077-FY
U701	IC	142410000667-FY	Q810	TRANSISTOR	142245000077-FY
U703	IC	142400001048-FY	Q813	TRANSISTOR	142254000018-FY
U802	IC	142400001288-FY	Q907	TRANSISTOR	142290000144-FY

	1		2	3		4
	<u>Circuit Symbol and No.</u>		<u>Part No.</u>	<u>Circuit Symbol and No.</u>		<u>Part No.</u>
	D101	SW DIODE	142200000019-FY	 FU201	FUSE 1.1A	144800000049-FY
	D102	SW DIODE	142200000019-FY	 FU901	FUSE 1.1A	144800000049-FY
A	D103	ESD DIODE	142239000012-FY	X101	TCXO 4.0MHz	142825000256-FY
	D201	ESD DIODE	1422360000006-FY	X401	TCXO 32.768KHz	122820000014-FY
	D203	ESD DIODE	1422360000006-FY	X402	TCXO 8MHz	142825000055-FY
	D204	ESD DIODE	1422360000006-FY	ZD201	ZENER DIODE	142224000025-FY
	D205	ESD DIODE	1422360000006-FY	ZD202	ZENER DIODE	142224000010-FY
■	D303	SW DIODE	142200000019-FY	ZD203	ZENER DIODE	142224000010-FY
	D310	SW DIODE	142200000019-FY	ZD205	ZENER DIODE	142224000023-FY
	D400	ESD DIODE	1422360000006-FY	ZD402	ZENER DIODE	142224000025-FY
	D405	REC DIODE	142206000003-FY	ZD501	ZENER DIODE	142224000025-FY
	D406	REC DIODE	142206000003-FY	ZD502	ZENER DIODE	142224000010-FY
B	D413	SW DIODE	142200000019-FY	ZD503	ZENER DIODE	142224000018-FY
	D417	ESD DIODE	1422360000006-FY	ZD804	IC	142400000895-FY
	D418	SW DIODE	142200000019-FY	CN201	I/O	123830001333-FY
	D419	SW DIODE	142200000019-FY	CN202	SOCKET	123805000145-FY
	D430	ESD DIODE	1422360000006-FY	CN402	FPC SOCKET	143815000208-FY
■	D431	ESD DIODE	1422360000006-FY	CN901	SOCKET	123830010086-FY
	D432	ESD DIODE	1422360000006-FY	CON201	FPC SOCKET	143800000019-FY
	D433	ESD DIODE	1422360000006-FY	CON406	FPC SOCKET	123800010040-FY
	D434	ESD DIODE	1422360000006-FY	<u>RESISTORS</u>		
	D435	ESD DIODE	1422360000006-FY			
C	D436	ESD DIODE	1422360000006-FY	R10	RESISTOR	RS1/8SQ101J
	D437	ESD DIODE	1422360000006-FY	R101	RESISTOR	RS1/10SR102J
	D438	ESD DIODE	1422360000006-FY	R102	RESISTOR	RS1/10SR102J
	D439	ESD DIODE	1422360000006-FY	R103	RESISTOR	RS1/10SR101J
	D440	ESD DIODE	1422360000006-FY	R104	RESISTOR	RS1/10SR330J
■	D444	ESD DIODE	1422360000006-FY	R105	RESISTOR	RS1/10SR472J
	D445	ESD DIODE	1422360000006-FY	R106	RESISTOR	RS1/10SR472J
	D502	SW DIODE	142200000019-FY	R107	RESISTOR	RS1/10SR223J
	D503	SW DIODE	142200000019-FY	R108	RESISTOR	RS1/10SR223J
	D504	SW DIODE	142200000019-FY	R117	RESISTOR	RS1/8SQ2R2J
D	D505	SW DIODE	142200000019-FY	R127	RESISTOR	RS1/10SR474J
	D506	ESD DIODE	142239000012-FY	R128	RESISTOR	RS1/10SR474J
	D507	ESD DIODE	142239000012-FY	R129	RESISTOR	RS1/10SR472J
	D508	ESD DIODE	1422360000006-FY	R130	RESISTOR	RS1/10SR102J
	D510	ESD DIODE	1422360000006-FY	R131	RESISTOR	RS1/10SR102J
■	D511	ESD DIODE	1422360000006-FY	R201	RESISTOR	RS1/10SR510J
	D555	ESD DIODE	1422360000006-FY	R202	RESISTOR	RS1/10SR121J
	D603	ESD DIODE	1422360000006-FY	R204	RESISTOR	RS1/4SA0R0J
	D604	ESD DIODE	1422360000006-FY	R205	RESISTOR	RS1/10SR121J
	D801	REC DIODE	142206000003-FY	R206	RESISTOR	RS1/8SQ101J
E	D802	REC DIODE	142206000003-FY	R210	RESISTOR	RS1/10SR470J
	D803	SCHOTTKY DIODE	142233000074-FY	R211	RESISTOR	RS1/10SR510J
	D806	SCHOTTKY DIODE	142233000074-FY	R212	RESISTOR	RS1/8SQ101J
	D901	REC DIODE	122206000006-FY	R213	RESISTOR	RS1/10SR750J
	D902	TVS DIODE	142239000008-FY	R215	RESISTOR	RS1/10SR750J
■	L102	INDUCTOR	122000000300-FY	R219	RESISTOR	RS1/8SQ0R0J
	L103	INDUCTOR	142000000296-FY	R220	RESISTOR	RS1/8SQ0R0J
	L104	AXIS INDUCTOR	142010000014-FY	R250	RESISTOR	RS1/8SQ102J
	L105	AXIS INDUCTOR	142010000014-FY	R251	RESISTOR	RS1/10SR472J
	L106	INDUCTOR	142000000298-FY	R270	RESISTOR	RS1/10SR472J
F	L108	INDUCTOR	142000000028-FY	R271	RESISTOR	RS1/10SR473J
	L201	INDUCTOR	142000000028-FY	R272	RESISTOR	RS1/10SR473J
	L401	INDUCTOR	142000000028-FY	R273	RESISTOR	RS1/8SQ102J
	L700	INDUCTOR	142000000028-FY	R274	RESISTOR	RS1/10SR102J
	L801	AXIS INDUCTOR	142005000002-FY	R301	RESISTOR	RS1/10SR273J
	L803	AXIS INDUCTOR	142005000002-FY	R302	RESISTOR	RS1/10SR273J
	L819	AXIS INDUCTOR	142005000002-FY	R313	RESISTOR	RS1/10SR393J
	L824	AXIS INDUCTOR	142005000002-FY			

5		6		7		8		
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>		
R314	RESISTOR	RS1/10SR393J		R450	RESISTOR	RS1/10SR473J		
R315	RESISTOR	RS1/10SR273J		R451	RESISTOR	RS1/8SQ102J		
R316	RESISTOR	RS1/10SR273J		R452	RESISTOR	RS1/10SR473J		
R317	RESISTOR	RS1/10SR393J		R453	RESISTOR	RS1/10SR473J		A
R318	RESISTOR	RS1/10SR393J		R454	RESISTOR	RS1/10SR473J		
R319	RESISTOR	RS1/4SA100J		R455	RESISTOR	RS1/10SR473J		
R320	RESISTOR	RS1/10SR101J		R457	RESISTOR	RS1/10SR103J		
R321	RESISTOR	RS1/10SR391J		R458	RESISTOR	RS1/10SR101J		
R322	RESISTOR	RS1/10SR104J		R459	RESISTOR	RS1/10SR433J		
R323	RESISTOR	RS1/10SR103J		R460	RESISTOR	RS1/8SQ100J		
R324	RESISTOR	RS1/10SR471J		R460A	RESISTOR	141614000101-FY		
R325	RESISTOR	RS1/10SR101J		R460B	RESISTOR	141614000101-FY		
R326	RESISTOR	RS1/10SR223J		R461	RESISTOR	141614000102-FY		
R327	RESISTOR	RS1/10SR223J		R462	RESISTOR	RS1/10SR562J		B
R328	RESISTOR	RS1/10SR471J		R463	RESISTOR	RS1/10SR103J		
R329	RESISTOR	RS1/10SR101J		R464	RESISTOR	RS1/10SR104J		
R330	RESISTOR	RS1/10SR471J		R465	RESISTOR	RS1/10SR562J		
R331	RESISTOR	RS1/10SR223J		R466	RESISTOR	RS1/10SR223J		
R340	RESISTOR	RS1/10SR101J		R467	RESISTOR	RS1/10SR561J		
R341	RESISTOR	RS1/10SR223J		R468	RESISTOR	RS1/10SR0R0J		
R342	RESISTOR	RS1/10SR471J		R473	RESISTOR	RS1/10SR103J		
R343	RESISTOR	RS1/10SR101J		R474	RESISTOR	RS1/10SR473J		
R401	RESISTOR	RS1/10SR0R0J		R475	RESISTOR	RS1/10SR102J		
R402	RESISTOR	RS1/10SR473J		R476	RESISTOR	RS1/10SR103J		
R403	RESISTOR	RS1/10SR101J		R477	RESISTOR	RS1/10SR684J		C
R404	RESISTOR	RS1/10SR101J		R480	RESISTOR	RS1/10SR102J		
R405	RESISTOR	RS1/10SR101J		R482	RESISTOR	RS1/10SR102J		
R406	RESISTOR	RS1/10SR101J		R483	RESISTOR	RS1/10SR102J		
R407	RESISTOR	RS1/10SR101J		R485	RESISTOR	RS1/8SQ102J		
R408	RESISTOR	RS1/10SR102J		R486	RESISTOR	RS1/10SR103J		
R409	RESISTOR	RS1/10SR101J		R487	RESISTOR	RS1/4SA100J		
R411	RESISTOR	RS1/10SR104J		R489	RESISTOR	RS1/8SQ102J		
R412	RESISTOR	RS1/10SR561J		R490	RESISTOR	RS1/10SR102J		
R413	RESISTOR	RS1/10SR473J		R491	RESISTOR	RS1/10SR103J		
R414	RESISTOR	RS1/10SR103J		R492	RESISTOR	RS1/10SR102J		
R415	RESISTOR	RS1/10SR103J		R494	CHIP BEAD	142040000054-FY		D
R417	RESISTOR	RS1/10SR101J		R495	RESISTOR	RS1/10SR103J		
R418	RESISTOR	RS1/10SR105J		R496	RESISTOR	RS1/10SR103J		
R419	RESISTOR	RS1/10SR562J		R497	RESISTOR	RS1/10SR103J		
R420	RESISTOR	RS1/10SR562J		R498	RESISTOR	RS1/10SR103J		
R422	RESISTOR	RS1/10SR102J		R499	RESISTOR	RS1/10SR222J		
R423	RESISTOR	RS1/10SR102J		R502	RESISTOR	RS1/10SR101J		
R424	RESISTOR	RS1/10SR473J		R503	RESISTOR	RS1/4SA102J		
R425	RESISTOR	RS1/10SR473J		R504	RESISTOR	RS1/10SR473J		
R426	RESISTOR	RS1/10SR473J		R508	RESISTOR	RS1/10SR473J		
R427	RESISTOR	RS1/10SR101J		R509	RESISTOR	RS1/10SR102J		
R428	RESISTOR	RS1/10SR473J		R510	RESISTOR	RS1/10SR473J		E
R429	RESISTOR	RS1/10SR103J		R511	RESISTOR	RS1/10SR224J		
R430	RESISTOR	RS1/10SR102J		R512	RESISTOR	RS1/10SR223J		
R431	RESISTOR	RS1/10SR102J		R513	RESISTOR	RS1/10SR103J		
R432	RESISTOR	RS1/10SR102J		R514	RESISTOR	RS1/10SR123J		
R433	RESISTOR	RS1/10SR102		R515	RESISTOR	RS1/10SR223J		
R434	RESISTOR	RS1/10SR102J		R516	RESISTOR	RS1/10SR473J		
R435	RESISTOR	RS1/10SR101J		R517	RESISTOR	RS1/10SR105J		
R437	RESISTOR	RS1/10SR102J		R518	RESISTOR	RS1/10SR473J		
R438	RESISTOR	RS1/10SR102J		R519	RESISTOR	RS1/10SR103J		
R439	RESISTOR	RS1/10SR102J		R520	RESISTOR	RS1/10SR103J		F
R440	RESISTOR	RS1/10SR473J		R521	RESISTOR	RS1/10SR622J		
R442	RESISTOR	RS1/10SR103J		R522	RESISTOR	RS1/10SR752J		
R443	RESISTOR	RS1/10SR103J		R523	RESISTOR	RS1/10SR104J		

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
	R524 RESISTOR	RS1/10SR103J		
	R525 RESISTOR	RS1/10SR103J	R938 RESISTOR	RS1/10SR822J
	R526 RESISTOR	RS1/10SR473J	R939 RESISTOR	RS1/10SR822J
A	R530 RESISTOR	RS1/10SR223J	R940 RESISTOR	RS1/10SR822J
	R532 RESISTOR	RS1/10SR101J	R941 RESISTOR	RS1/10SR822J
	R603 RESISTOR	RS1/10SR102J	R942 RESISTOR	RS1/10SR474J
	R604 RESISTOR	RS1/10SR0R0J		
	R605 RESISTOR	RS1/10SR102J	R943 RESISTOR	RS1/10SR474J
			R945 RESISTOR	RS1/10SR474J
			R946 RESISTOR	RS1/10SR474J
	R606 RESISTOR	RS1/10SR102J	R947 RESISTOR	RS1/10SR223J
	R607 RESISTOR	RS1/10SR751J	R948 RESISTOR	RS1/10SR223J
	R700 RESISTOR	RS1/10SR331J		
	R701 RESISTOR	RS1/10SR331J	R949 RESISTOR	RS1/10SR223J
	R702 RESISTOR	RS1/10SR0R0J	R950 RESISTOR	RS1/10SR223J
			R951 RESISTOR	RS1/10SR752J
B	R703 RESISTOR	RS1/10SR0R0J	R952 RESISTOR	RS1/10SR103J
	R704 RESISTOR	RS1/10SR0R0J	R954 RESISTOR	RS1/10SR473J
	R706 RESISTOR	RS1/10SR0R0J		
	R708 RESISTOR	RS1/10SR0R0J	R956 RESISTOR	RS1/10SR103J
	R710 RESISTOR	RS1/10SR0R0J	R957 RESISTOR	RS1/10SR153J
			R958 RESISTOR	RS1/10SR153J
			R959 RESISTOR	RS1/10SR752J
	R712 RESISTOR	RS1/10SR562J	R960 RESISTOR	RS1/10SR752J
	R713 RESISTOR	RS1/10SR562J		
	R714 RESISTOR	RS1/10SR562J	R961 RESISTOR	RS1/10SR103J
	R715 RESISTOR	RS1/10SR562J	R962 RESISTOR	RS1/10SR103J
	R716 RESISTOR	RS1/10SR223J	R963 RESISTOR	RS1/10SR223J
			R964 RESISTOR	RS1/10SR223J
C	R717 RESISTOR	RS1/10SR223J	R965 RESISTOR	RS1/10SR472J
	R718 RESISTOR	RS1/10SR223J		
	R719 RESISTOR	RS1/10SR223J	R966 RESISTOR	RS1/10SR472J
	R720 RESISTOR	RS1/10SR223J	R967 RESISTOR	RS1/10SR102J
	R731 RESISTOR	RS1/10SR100J	R968 RESISTOR	RS1/10SR102J
			R969 RESISTOR	RS1/10SR472J
			R971 RESISTOR	RS1/8SQ100J
	R732 RESISTOR	RS1/10SR153J		
	R733 RESISTOR	RS1/10SR153J		
	R734 RESISTOR	RS1/10SR752J		
	R735 RESISTOR	RS1/10SR752J		
	R801 RESISTOR	RS1/8SQ102J		
	R802 RESISTOR	RS1/10SR472J		
	R804A RESISTOR	141614000022-FY		
D	R804B RESISTOR	141614000022-FY		
	R806 RESISTOR	RS1/10SR393J		
	R807 RESISTOR	RS1/10SR153J		
	R814 RCF	141648000022-FY		
	R814A RESISTOR	RS1/4SA0R0J		
	R819 RESISTOR	RS1/10SR473J		
	R820 RESISTOR	RS1/8SQ101J		
	R824 RESISTOR	RS1/10SR473J		
	R825 RESISTOR	RS1/10SR272J		
	R826 RESISTOR	RS1/10SR621J		
	R827 RESISTOR	RS1/10SR822J		
E	R830 RESISTOR	RS1/10SR822J		
	R831 RESISTOR	RS1/8SQ0R0J		
	R841 RESISTOR	RS1/10SR201J		
	R842 RESISTOR	RS1/10SR272J		
	R860 RESISTOR	RS1/10SR103J		
	R861 RESISTOR	RS1/10SR103J		
	R863 RESISTOR	RS1/4SA471J		
	R881 RESISTOR	RS1/10SR303J		
	R882 RESISTOR	RS1/10SR472J		
	R883 RESISTOR	RS1/10SR103J		
	R884 RESISTOR	RS1/10SR103J		
F	R886 RESISTOR	141614000101-FY		
	R887 RESISTOR	141614000101-FY		
	R936 RESISTOR	RS1/10SR473		
	R937 RESISTOR	RS1/10SR103J		

CAPACITORS

C103 CAPACITOR	CKSRYB102K50
C104 CAPACITOR	CKSRYB102K50
C109 E.CAP	141830090107-FY
C110 CAPACITOR	CKSRYB104K16
C113 CAPACITOR	CCSRCH220J50
C114 CAPACITOR	CCSRCH220J50
C115 CAPACITOR	141803000225-FY
C116 CAPACITOR	141803000225-FY
C117 CAPACITOR	CKSRYB104K16
C118 CAPACITOR	CKSRYB104K16
C119 CAPACITOR	CKSRYB103K50
C120 CAPACITOR	CKSRYB104K16
C121 CAPACITOR	CKSRYB103K50
C122 CAPACITOR	CKSRYB104K16
C123 CAPACITOR	141803000474-FY
C124 CAPACITOR	CKSRYB105K16
C125 CAPACITOR	141803000474-FY
C126 CAPACITOR	141803000474-FY
C127 CAPACITOR	CCSRCH330J50
C128 CAPACITOR	CCSRCH330J50
C129 CAPACITOR	CKSRYB104K16
C130 CAPACITOR	CKSRYB153K50
C140 CAPACITOR	CKSRYB153K50
C141 CAPACITOR	CKSRYB103K50
C142 CAPACITOR	CKSRYB104K16
C143 CAPACITOR	CKSRYB103K50
C144 CAPACITOR	CCSRCH100D50

5		6		7		8		
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>		
C145	CAPACITOR	CKSRYB103K50		C409	E.CAP	141830070107-FY		
C146	CAPACITOR	CKSRYB103K50		C410	E.CAP	141830090107-FY		
C201	CAPACITOR	141809010106-FY		C411	CAPACITOR	CKSRYB104K16		
C202	CAPACITOR	141809010106-FY		C412	E.CAP	141830090107-FY		A
C203	CAPACITOR	CKSRYB104K16		C413	CAPACITOR	CKSRYB104K16		
C204	E.CAP	141830090107-FY		C414	CAPACITOR	CKSQYB225K16		
C205	E.CAP	141830110476-FY		C415	CAPACITOR	CKSRYB104K16		
C206	CAPACITOR	CKSRYB104K16		C416	CAPACITOR	CKSRYB104K16		
C207	CAPACITOR	141809010106-FY		C417	E.CAP	141830050225-FY		
C208	CAPACITOR	141809010106-FY		C419	CAPACITOR	CKSQYB225K16		
C209	CAPACITOR	141809010106-FY		C420	CAPACITOR	141890002209-FY		
C210	E.CAP	141830090226-FY		C450	CAPACITOR	CKSRYB102K50		
C211	E.CAP	141830090107-FY		C451	E.CAP	141830090107-FY		
C212	CAPACITOR	CKSRYB104K16		C473	E.CAP	141830090226-FY		B
C213	CAPACITOR	CKSRYB104K16		C474	CAPACITOR	CKSRYB104K16		
C214	E.CAP	141830090107-FY		C475	CAPACITOR	CKSRYB104K16		
C215	E.CAP	141830090226-FY		C476	CAPACITOR	CCSRCH330J50		
C249	CAPACITOR	CKSRYB104K16		C477	CAPACITOR	CCSRCH330J50		
C250	CAPACITOR	CCSRCH330J50		C501	CAPACITOR	CKSRYB104K16		
C251	CAPACITOR	CCSRCH330J50		C502	CAPACITOR	141803000225-FY		
C252	CAPACITOR	CCSRCH330J50		C503	CAPACITOR	CKSRYB104K16		
C253	CAPACITOR	CCSRCH330J50		C504	CAPACITOR	CCSRCH330J50		
C254	CAPACITOR	CCSRCH330J50		C505	CAPACITOR	CCSRCH330J50		
C255	CAPACITOR	CCSRCH330J50		C511	CAPACITOR	CKSRYB104K16		
C256	CAPACITOR	CCSRCH330J50		C520	CAPACITOR	CKSRYB104K16		C
C301	E.CAP	141830050225-FY		C618	CAPACITOR	CCSRCH330J50		
C302	E.CAP	141830050225-FY		C619	CAPACITOR	CCSRCH330J50		
C303	E.CAP	141830090107-FY		C620	CAPACITOR	CKSRYB681K50		
C305	E.CAP	141830090107-FY		C633	CAPACITOR	CKSRYB102K50		
C306	E.CAP	141830090107-FY		C634	CAPACITOR	CKSQYB225K16		
C307	CAPACITOR	CKSRYB152K50		C635	CAPACITOR	CKSRYB103K50		
C308	E.CAP	141830050225-FY		C636	CAPACITOR	141803000474-FY		
C309	E.CAP	141830050225-FY		C637	CAPACITOR	141803000474-FY		
C310	E.CAP	141830090107-FY		C638	CAPACITOR	CKSRYB103K50		
C311	CAPACITOR	CKSRYB104K16		C700	CAPACITOR	141803000225-FY		
C312	CAPACITOR	CKSRYB152K50		C701	CAPACITOR	CKSRYB104K16		D
C313	E.CAP	141830090107-FY		C702	CAPACITOR	141806020106-FY		
C314	E.CAP	141830050225-FY		C703	CAPACITOR	141803000225-FY		
C315	E.CAP	141830050225-FY		C704	CAPACITOR	141803000225-FY		
C316	E.CAP	141830090226-FY		C705	CAPACITOR	CKSRYB104K16		
C317	E.CAP	141830090226-FY		C706	CAPACITOR	141803000225-FY		
C320	CAPACITOR	CCSRCH330J50		C707	CAPACITOR	141806020106-FY		
C321	CAPACITOR	CCSRCH330J50		C708	CAPACITOR	CKSRYB104K16		
C322	CAPACITOR	CCSRCH330J50		C709	RESISTOR	RS1/10SR0R0J		
C323	CAPACITOR	CKSRYB104K16		C711	CAPACITOR	141806020106-FY		
C324	CAPACITOR	CKSRYB104K16		C712	CAPACITOR	141803000225-FY		
C325	CAPACITOR	CCSRCH330J50		C713	CAPACITOR	141803000225-FY		E
C326	CAPACITOR	CCSRCH330J50		C714	CAPACITOR	141803000225-FY		
C327	CAPACITOR	CCSRCH330J50		C715	CAPACITOR	141803000225-FY		
C328	CAPACITOR	CCSRCH330J5		C716	CAPACITOR	141803000225-FY		
C329	CAPACITOR	CCSRCH330J50		C717	CAPACITOR	141806020106-FY		
C400	CAPACITOR	CKSRYB102K50		C718	E.CAP	141830090226-FY		
C401	CAPACITOR	CCSRCH120J50		C719	CAPACITOR	CKSRYB104K16		
C402	CAPACITOR	CCSRCH120J50		C720	E.CAP	141830090107-FY		
C403	CAPACITOR	CCSRCH220J50		C721	CAPACITOR	141806020106-FY		
C404	CAPACITOR	CCSRCH220J50		C722	CAPACITOR	CKSRYB105K16		
C405	CAPACITOR	CKSRYB104K16		C730	CAPACITOR	141803000225-FY		F
C406	CAPACITOR	CKSRYB104K16		C731	CAPACITOR	141803000225-FY		
C407	CAPACITOR	CKSRYB104K16		C732	CAPACITOR	CKSQYB225K16		
C408	CAPACITOR	CKSRYB102K50		C733	CAPACITOR	CKSRYB102K50		

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
	C734 CAPACITOR	CKSRYB102K50	C948 CAPACITOR	141803000474-FY
	C803 E.CAP	141830090226-FY	C949 CAPACITOR	CKSRYB102K50
	C804 E.CAP	141830090107-FY	C950 CAPACITOR	CKSRYB102K50
A	C805 CAPACITOR	CKSRYB104K16	C959 CAPACITOR	CCSRCH101J50
	C806 CAPACITOR	CKSRYB103K50	C960 CAPACITOR	CCSRCH101J50
	C810 CAPACITOR	CKSRYB104K16	C961 CAPACITOR	CCSRCH330J50
	C811 CAPACITOR	CKSRYB104K16	C962 CAPACITOR	CCSRCH330J50
	C812 E.CAP	141830090107-FY	C963 CAPACITOR	CCSRCH330J50
	C814 CAPACITOR	141809010106-FY	C964 CAPACITOR	CCSRCH330J50
	C815 CAPACITOR	CKSRYB104K16	C965 CAPACITOR	CCSRCH330J50
	C816 E.CAP	141830070107-FY	C966 CAPACITOR	CCSRCH330J50
	C817 CAPACITOR	CKSRYB104K16	C967 CAPACITOR	CCSRCH330J50
	C818 E.CAP	141842030108-FY	C968 CAPACITOR	CCSRCH330J50
B	C819 CAPACITOR	CKSRYB104K16	C969 CAPACITOR	CKSRYB104K16
	C822 CAPACITOR	CKSRYB104K16	C970 CAPACITOR	CCSRCH330J50
	C854 CAPACITOR	141809010106-FY	C971 CAPACITOR	CCSRCH330J50
	C855 CAPACITOR	CKSRYB104K16	C972 CAPACITOR	CCSRCH330J50
	C856 E.CAP	141830070107-FY	C973 CAPACITOR	CCSRCH330J50
	C857 CAPACITOR	CKSRYB104K16	C974 CAPACITOR	CCSRCH330J50
	C858 E.CAP	141842030108-FY	C975 CAPACITOR	CCSRCH330J50
	C859 CAPACITOR	CKSRYB104K16	C976 CAPACITOR	CCSRCH330J50
	C860 E.CAP	141830090226-FY	C977 CAPACITOR	CCSRCH330J50
	C861 CAPACITOR	CKSRYB104K16	C978 CAPACITOR	CCSRCH330J50
C	C862 CAPACITOR	CKSRYB104K16	C979 CAPACITOR	CCSRCH330J50
	C863 CAPACITOR	141809010106-FY	C980 CAPACITOR	CCSRCH330J50
	C863A CAPACITOR	141809010106-FY	C981 CAPACITOR	CCSRCH330J50
	C881 CAPACITOR	CCSRCH101J50	C982 CAPACITOR	CCSRCH330J50
	C882 E.CAP	141830090107-FY	C983 CAPACITOR	CCSRCH330J50
	C917 CAPACITOR	CKSRYB105K16	C984 CAPACITOR	CCSRCH330J50
	C918 E.CAP	141830110476-FY	C985 CAPACITOR	CCSRCH330J50
	C919 CAPACITOR	141803000225-FY	C986 CAPACITOR	CCSRCH330J50
	C919A CAPACITOR	141803000225-FY		
	C920 CAPACITOR	CKSRYB104K16		
	C921 E.CAP	141842080338-FY		
D	C922 CAPACITOR	CKSRYB104K16		
	C923 CAPACITOR	CKSQYB105K25		
	C923A CAPACITOR	CKSQYB105K25		
	C924 CAPACITOR	CKSQYB105K25		
	C924A CAPACITOR	CKSQYB105K25		
	C925 CAPACITOR	CKSQYB105K25		
	C925A CAPACITOR	CKSQYB105K25		
	C926 CAPACITOR	CKSQYB105K25		
	C926A CAPACITOR	CKSQYB105K25		
	C931 E.CAP	141830050225-FY		
	C932 E.CAP	141830050225-FY		
E	C933 CAPACITOR	141803000225-FY		
	C934 CAPACITOR	141803000225-FY		
	C935 E.CAP	141830050225-FY		
	C936 E.CAP	141830050225-FY		
	C937 E.CAP	141830050225-FY		
	C938 E.CAP	141830090226-FY		
	C939 CAPACITOR	CKSQYB225K16		
	C940 CAPACITOR	CKSQYB225K16		
	C941 E.CAP	141830090226-FY		
	C942 CAPACITOR	CKSRYB104K16		
	C943 E.CAP	141830090107-FY		
F	C944 CAPACITOR	CKSQYB225K16		
	C945 CAPACITOR	CKSQYB225K16		
	C946 CAPACITOR	CKSQYB225K16		
	C947 CAPACITOR	CKSQYB225K16		

B

Unit Number : 842DM7376HR SB003-FY(A)
: 882DM7376HB SB003-FY(B)

Unit Name : SB SMT Unit

MISCELLANEOUS

U2	IC	142410000759-FY
U3	IC	142400001042-FY
U4	IC	142410000532-FY
U5	IC	142410000636-FY
U6	IC	142400000819-FY
U7	IC	341S2162
U8	IC	142410000806-FY
U9	IC	142400000416-FY
U10	IC	142400001047-FY
U11	IC	142400001048-FY
Q1	TRANSISTOR	142251000005-FY
Q2	TRANSISTOR	142251000005-FY
Q3	FET	142266000069-FY
Q4	FET	142266000002-FY
Q5	FET	142266000002-FY
Q6	TRANSISTOR	142290000012-FY
Q7	TRANSISTOR	142290000005-FY
Q8	TRANSISTOR	142290000144-FY
D1	SW DIODE	142200000019-FY
D2	SW DIODE	142200000019-FY

5			6			7			8		
<u>Circuit Symbol and No.</u>			<u>Part No.</u>			<u>Circuit Symbol and No.</u>			<u>Part No.</u>		
D3	SW DIODE		142200000019-FY			R6	RESISTOR		RS1/16SS222J		
D4	SW DIODE		142200000019-FY			R7	RESISTOR		RS1/16SS103J		
D5	SW DIODE		142200000019-FY			R8	RESISTOR		RS1/16SS103J		
D6	REC DIODE		142206000013-FY			R9	RESISTOR		RS1/16SS103J		A
D7	ZENER DIODE		142224000016-FY			R10	RESISTOR		RS1/16SS103J		
L1	CHIP BEAD		142040000012-FY			R11	RESISTOR		RS1/16SS153J		
L3	CHIP BEAD		142040000012-FY			R12	RESISTOR		RS1/16SS0R0J		
L4	CHIP BEAD		142040000012-FY			R13	RESISTOR		RS1/16SS0R0J		
L5	INDUCTOR		142000000333-FY			R14	RESISTOR		RS1/16SS153J		
L6	INDUCTOR		142000000333-FY			R15	RESISTOR		RS1/10SR103J		
L7	INDUCTOR		142000000333-FY			R16	RESISTOR		RS1/10SR103J		
L8	INDUCTOR		142000000333-FY			R17	RESISTOR		RS1/10SR101J		
L11	POWER INDUCTOR		142000000116-FY			R18	RESISTOR		RS1/16SS103J		
FB1	CHIP BEAD		142040000039-FY			R19	RESISTOR		RS1/16SS103J		
FB2	CHIP BEAD		142040000012-FY			R20	RESISTOR		RS1/16SS103J		B
FB3	CHIP BEAD		142040000039-FY			R21	RESISTOR		RS1/16SS103J		
FB4	CHIP BEAD		142040000054-FY			R23	RESISTOR		RS1/16SS473J		
FB5	CHIP BEAD		142040000006-FY			R24	RESISTOR		RS1/16SS103J		
FB6	CHIP BEAD		142040000006-FY			R25	RESISTOR		RS1/16SS103J		
FB8	CHIP BEAD		142040000039-FY			R26	RESISTOR		RS1/16SS103J		
FB15	CHIP BEAD		142040000012-FY			R27	RESISTOR		RS1/16SS103J		
FB16	CHIP BEAD		142040000039-FY			R28	RESISTOR		RS1/16SS104J		
FB17	CHIP BEAD		142040000012-FY			R29	RESISTOR		RS1/16SS223J		
FB18	CHIP BEAD		142040000012-FY			R30	RESISTOR		RS1/16SS223J		
FB19	CHIP BEAD		142040000012-FY			R31	RESISTOR		RS1/8SQ0R0J		C
FB20	CHIP BEAD		142040000054-FY			R32	RESISTOR		RS1/10SR102J		
FB21	CHIP BEAD		142040000054-FY			R33	RESISTOR		RS1/10SR333J		
FB22	RESISTOR		RS1/16SS0R0J			R34	RESISTOR		RS1/10SR102J		
FB23	RESISTOR		RS1/16SS0R0J			R35	RESISTOR		RS1/16SS103J		
TX1	TCXO 27MHz		142825000059-FY			R36	RESISTOR		RS1/16SS103J		
TX2	TCXO 12MHz		142825000105-FY			R37	RESISTOR		RS1/10SR2001F		
TC1	TAN.CAP		141845040107-FY			R38	RESISTOR		RS1/10SR2001F		
TC2	TAN.CAP		141845040107-FY			R39	RESISTOR		RS1/16SS103J		
TC3	TAN.CAP		141845040107-FY			R40	RESISTOR		RS1/16SS103J		
TC4	CAPACITOR		141806020106-FY			R41	RESISTOR		RS1/8SQ1R0J		
TC5	TAN.CAP		141845040107-FY			R42	RESISTOR		RS1/16SS0R0J		D
TC6	SMD E-CAP		141827000107-FY			R43	RESISTOR		RS1/16SS103J		
TC7	SMD E-CAP		141827000107-FY			R44	RESISTOR		RS1/16SS103J		
TC8	TAN.CAP		141845010476-FY			R45	RESISTOR		RS1/16SS103J		
TC9	TAN.CAP		141845040107-FY			R46	RESISTOR		RS1/16SS750J		
TC10	SMD E-CAP		141827000107-FY			R47	RESISTOR		RS1/16SS750J		
TC11	SMD E-CAP		141827000107-FY			R48	RESISTOR		RS1/16SS750J		
SC1	CAPACITOR		141803000225-FY			R49	RESISTOR		RS1/16SS5102F		
SR1	RESISTOR		RS1/16SS472J			R50	RESISTOR		RS1/16SS223J		
SR2	RESISTOR		RS1/16SS473J			R51	RESISTOR		RS1/16SS5102F		
SR3	RESISTOR		RS1/10SR222J			R52	RESISTOR		RS1/16SS5102F		E
SR4	RESISTOR		RS1/10SR102J			R53	RESISTOR		RS1/16SS1502F		
RP1	NET RES		RAB4CQ101J			R54	RESISTOR		RS1/10SR330J		
K1	END-SENSE SW		143210000004-FY			R55	RESISTOR		RS1/10SR0R0J		
CN1	FFC SOCKET		143815000047-FY			R56	RESISTOR		RS1/10SR0R0J		
CN3	WIRE HARNES		1238350000874-FY			R57	RESISTOR		RS1/16SS101J		
CN6	FPC SOCKET		143800000019-FY			R58	RESISTOR		RS1/16SS101J		
<u>RESISTORS</u>						R59	RESISTOR		RS1/10SR391J		
R1	RESISTOR		RS1/8SQ100J			R60	RESISTOR		RS1/8SQ0R0J		
R2	RESISTOR		RS1/8SQ100J			R61	RESISTOR		RS1/16SS102J		
R3	RESISTOR		RS1/10SR221J			R62	RESISTOR		RS1/8SQ2R2J		
R4	RESISTOR		RS1/10SR221J			R63	RESISTOR		RS1/16SS103J		F
R5	RESISTOR		RS1/16SS222J			R64	RESISTOR		RS1/16SS102J		
						R65	RESISTOR		RS1/16SS102J		
						R66	RESISTOR		RS1/10SR750J		

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
A	R67	RESISTOR		
	R68	RESISTOR	C11	CAPACITOR
	R69	RESISTOR	C12	CAPACITOR
	R70	RESISTOR	C13	CAPACITOR
	R71	RESISTOR	C14	CAPACITOR
			C15	CAPACITOR
	R72	RESISTOR		
	R73	RESISTOR	C16	SMD E-CAP
	R74	RESISTOR	C17	SMD E-CAP
	R75	RESISTOR	C18	CAPACITOR
	R76	RESISTOR	C20	CAPACITOR
			C21	SMD E-CAP
B	R77	RESISTOR		
	R78	RESISTOR	C22	SMD E-CAP
	R79	RESISTOR	C23	CAPACITOR
	R81	RESISTOR	C24	SMD E-CAP
	R82	RESISTOR	C25	CAPACITOR
			C26	SMD E-CAP
	R83	RESISTOR		
	R84	RESISTOR	C27	SMD E-CAP
	R85	RESISTOR	C28	CAPACITOR
	R86	RESISTOR	C29	CAPACITOR
	R87	RESISTOR	C31	CAPACITOR
			C32	CAPACITOR
C	R88	RESISTOR		
	R89	NET RES	C33	CAPACITOR
	R90	RESISTOR	C34	CAPACITOR
	R91	RESISTOR	C35	CAPACITOR
	R92	RESISTOR	C36	CAPACITOR
			C37	CAPACITOR
	R93	RESISTOR		
	R94	RESISTOR	C38	CAPACITOR
	R95	RESISTOR	C39	CAPACITOR
	R96	RESISTOR	C40	CAPACITOR
	R97	RESISTOR	C42	TAN.CAP
			C43	CAPACITOR
D	R98	RESISTOR		
	R99	RESISTOR	C44	CAPACITOR
	R100	RESISTOR	C45	CAPACITOR
	R101	RESISTOR	C46	CAPACITOR
	R102	RESISTOR	C47	CAPACITOR
			C48	CAPACITOR
	R103	RESISTOR		
	R104	RESISTOR	C49	CAPACITOR
	R105	RESISTOR	C50	CAPACITOR
	R106	RESISTOR	C51	CAPACITOR
	R107	RESISTOR	C52	CAPACITOR
			C53	CAPACITOR
E	R108	RESISTOR		
	R109	RESISTOR	C54	CAPACITOR
	R115	RESISTOR	C55	CAPACITOR
	R116	RESISTOR	C56	CAPACITOR
	R117	RESISTOR	C57	CAPACITOR
			C58	CAPACITOR
	R118	RESISTOR		
	R119	RESISTOR	C59	CAPACITOR
	R120	RESISTOR	C60	CAPACITOR
			C61	CAPACITOR
			C62	CAPACITOR
			C63	CAPACITOR
<u>CAPACITORS</u>				
F	C1	CAPACITOR		
	C2	CAPACITOR	C64	CAPACITOR
	C3	CAPACITOR	C65	CAPACITOR
	C4	CAPACITOR	C66	CAPACITOR
	C5	CAPACITOR	C67	TAN.CAP
			C68	CAPACITOR
	C6	CAPACITOR		
	C7	CAPACITOR	C69	CAPACITOR
	C8	CAPACITOR	C70	CAPACITOR
	C9	CAPACITOR	C71	TAN.CAP
	C10	CAPACITOR	C72	CAPACITOR
			C73	CAPACITOR

5			6			7			8		
Circuit Symbol and No.			Part No.			Circuit Symbol and No.			Part No.		
C74	CAPACITOR	CKSSYB104K10	Q207	TRANSISTOR	142245000077-FY	A					
C75	CAPACITOR	CKSSYB104K10	D201	SCHOTTKY DIODE	142233000026-FY						
C76	CAPACITOR	CKSSYB104K10	D222	ESD DIODE	142239000012-FY						
C77	CAPACITOR	CKSSYB104K10	D223	ESD DIODE	142239000012-FY						
C78	CAPACITOR	CKSSYB104K10	D224	ESD DIODE	142239000012-FY						
C79	CAPACITOR	CKSSYB104K10	D225	ESD DIODE	142239000012-FY	B					
C80	CAPACITOR	CKSQYB225K16	D226	ESD DIODE	142239000012-FY						
C82	CAPACITOR	141806000226-FY	D227	ESD DIODE	142239000012-FY						
C83	CAPACITOR	141806000226-FY	D228	ESD DIODE	142239000012-FY						
C84	CAPACITOR	CKSSYB104K10	D229	ESD DIODE	142239000012-FY						
C85	CAPACITOR	CKSSYB104K10	D230	ESD DIODE	142239000012-FY	C					
C86	CAPACITOR	CKSSYB104K10	D231	REC DIODE	142206000003-FY						
C87	CAPACITOR	CKSSYB104K10	D232	SCHOTTKY DIODE	122233000012-FY						
C88	CAPACITOR	CKSSYB104K10	D234	DUAL DIODE	142236000005-FY						
C89	CAPACITOR	CKSSYB104K10	D235	DUAL DIODE	142236000005-FY						
C90	CAPACITOR	CKSSYB104K10	D236	SCHTTKY DIODE	142233000006-FY	D					
C91	CAPACITOR	CKSRYB152K50	D238	ESD DIODE	142239000012-FY						
C92	CAPACITOR	CKSRYB152K50	D240	ESD DIODE	142239000012-FY						
C93	CAPACITOR	CKSRYB272K50	D241	ESD DIODE	142239000012-FY						
C94	CAPACITOR	CKSRYB272K50	D242	ESD DIODE	142239000012-FY						
C95	CAPACITOR	CKSRYB221K50	D251	ESD DIODE	142239000012-FY	E					
C96	CAPACITOR	CKSRYB221K50	D252	ESD DIODE	142239000012-FY						
C97	CAPACITOR	141806020106-FY	D253	ESD DIODE	142239000012-FY						
C98	CAPACITOR	141806020106-FY	D254	ESD DIODE	142239000012-FY						
C99	CAPACITOR	CKSSYB104K10	L201	CHIP BEAD	142040000012-FY						
C100	CAPACITOR	CKSSYB104K10	L202	POWER INDUCTOR	142000000423-FY	F					
C101	CAPACITOR	CKSSYB104K10	L203	CHIP BEAD	142040000012-FY						
C102	CAPACITOR	CKSSYB104K10	L204	POWER INDUCTOR	122000000315-FY						
C103	CAPACITOR	CKSSYB104K10	L205	POWER INDUCTOR	122000000315-FY						
C104	CAPACITOR	CKSSYB104K10	L206	INDUCTOR	142000000028-FY						
C105	CAPACITOR	CKSSYB104K10	L207	INDUCTOR	142000000028-FY	G					
C106	CAPACITOR	CKSSYB104K10	L208	CHIP BEAD	142040000012-FY						
C107	CAPACITOR	CKSSYB104K10	L209	INDUCTOR	142000000055-FY						
C110	CAPACITOR	CKSRYB823K50	L210	INDUCTOR	142000000007-FY						
C111	CAPACITOR	CKSRYB823K50	L211	INDUCTOR	142000000007-FY						
C112	CAPACITOR	141806020106-FY	L212	INDUCTOR	142000000028-FY	H					
C113	CAPACITOR	141806020106-FY	L214	POWER INDUCTOR	142000000423-FY						
KB Assy Consists of KB PCB AUX PCB CD Unit Number : Unit Name : KB Assy MISCELLANEOUS			L215	CHIP BEAD	142040000039-FY						
			L219	INDUCTOR	142000000028-FY						
			L220	INDUCTOR	142000000028-FY						
			L226	INDUCTOR	142000000028-FY						
			L227	INDUCTOR	142000000028-FY						
			L228	CHIP BEAD	142040000012-FY	I					
			L232	CHIP BEAD	142040000012-FY						
			L235	CHIP BEAD	142040000012-FY						
			L236	CHIP BEAD	142040000012-FY						
			L237	CHIP BEAD	142040000012-FY						
			L238	CHIP BEAD	142040000012-FY	J					
			L239	CHIP BEAD	142040000012-FY						
			L240	CHIP BEAD	142040000012-FY						
			L241	CHIP BEAD	142040000012-FY						
			L242	CHIP BEAD	142040000012-FY						
U201	IC	142410001016-FY	L243	CHIP BEAD	142040000012-FY	K					
U202	IC	142400001207-FY	BD201	CHIP BEAD	142040000061-FY						
U204	IC	142400000282-FY	BD202	CHIP BEAD	142040000061-FY						
U205	IC	142400001048-FY									
U206	IC	142400001047-FY									
U207	IC	142400001422-FY	BD203	CHIP BEAD	142040000061-FY	L					
Q200	MOSFET	142266000075-FY	BD204	CHIP BEAD	142040000061-FY						
Q201	TRANSISTOR	142245000017-FY	BD205	RESISTOR	RS1/8SQ0R0J						
Q202	TRANSISTOR	142245000077-FY	LED201A	LED	143405010069-FY						
Q206	MOSFET	142266000075-FY	LED201G	LED	143405000084-FY						

1 <u>Circuit Symbol and No.</u>			2 <u>Part No.</u>	3 <u>Circuit Symbol and No.</u>			4 <u>Part No.</u>
A	LED202A	LED	143405010069-FY	R215	RESISTOR		RS1/10SR182J
	LED202G	LED	143405000084-FY	R216	RESISTOR		RS1/10SR222J
	LED203A	LED	143405010069-FY	R217	RESISTOR		RS1/10SR332J
	LED203G	LED	143405000084-FY	R218	RESISTOR		RS1/10SR203J
	LED204A	LED	143405010069-FY	R219	CHIP BEAD		142040000012-FY
	LED204G	LED	143405000084-FY	R220	CHIP BEAD		142040000012-FY
	LED205A	LED	143405010069-FY	R221	RESISTOR		RS1/10SR103J
	LED205G	LED	143405000084-FY	R222	RESISTOR		RS1/10SR103J
	LED208A	LED	143405010069-FY	R223	RESISTOR		RS1/10SR104J
	LED208G	LED	143405000084-FY	R225	RESISTOR		RS1/10SR103J
B	LED209A	LED	143405010069-FY	R226	RESISTOR		RS1/10SR471J
	LED209G	LED	143405000084-FY	R227	RESISTOR		RS1/10SR202J
	LED210A	LED	143405010069-FY	R228	CHIP BEAD		142040000012-FY
	LED210G	LED	143405000084-FY	R230	RESISTOR		RS1/10SR103J
	LED211A	LED	143405010069-FY	R231	RESISTOR		RS1/10SR103J
	LED211G	LED	143405000084-FY	R232	RESISTOR		RS1/10SR103J
	LED212A	LED	143405010069-FY	R233	RESISTOR		RS1/10SR102J
	LED212G	LED	143405000084-FY	R234	RESISTOR		RS1/8SQ101J
	X201	TCXO 33.8688MHz	142825000208-FY	R235	RESISTOR		RS1/10SR101J
	ZD102	ZENER DIODE	142224000010-FY	R236	RESISTOR		RS1/10SR103J
C	ZD201	ZENER DIODE	142224000085-FY	R237	RESISTOR		RS1/10SR103J
	ZD202	ZENER DIODE	142224000093-FY	R238	RESISTOR		RS1/10SR102J
	ZD203	ZENER DIODE	142224000024-FY	R239	RESISTOR		RS1/10SR103J
	ZD237	ZENER DIODE	142224000018-FY	R240	RESISTOR		RS1/8SQ102J
	ZD238	ZENER DIODE	142224000018-FY	R241	RESISTOR		RS1/10SR472J
	ENC201	ENCODER(MULTI-CONTROL)	141658010116-FY	R242	RESISTOR		RS1/8SQ0R0J
	SW201	TACT SW	143210000016-FY	R243	RESISTOR		RS1/8SQ471J
	SW202	TACT SW	143210000016-FY	R244	RESISTOR		RS1/8SQ471J
	SW203	TACT SW	143210000016-FY	R245	RESISTOR		RS1/8SQ471J
	SW204	TACT SW	143210000016-FY	R246	RESISTOR		RS1/8SQ471J
D	SW205	TACT SW	143210000016-FY	R247	RESISTOR		RS1/8SQ471J
	SW206	TACT SW	143210000016-FY	R248	RESISTOR		RS1/10SR102J
	SW207	TACT SW	143210000016-FY	R249	RESISTOR		RS1/10SR102J
	SW208	TACT SW	143210000016-FY	R250	RESISTOR		RS1/10SR6800F
	SW209	TACT SW	143210000016-FY	R251	RESISTOR		RS1/10SR5101F
	SW210	TACT SW	143210000016-FY	R252	RESISTOR		141608019024-FY
	REM201	INFRARED RECEIVER	143445000037-FY	R253	RESISTOR		RS1/10SR181J
	USB201	SOCKET	123805000787-FY	R255	RESISTOR		RS1/10SR0R0J
	CON1	SOCKET	123805000879-FY	R256	RESISTOR		RS1/8SQ511J
	CON201	CONNECTOR	123800000317-FY	R258	RESISTOR		RS1/10SR203J
	CON202	FFC SOCKET	143815000067-FY	R259	RESISTOR		RS1/10SR821J
				R260	RESISTOR		RS1/10SR103J
				R261	RESISTOR		RS1/10SR821J
				R262	RESISTOR		RS1/10SR103J
				R263	RESISTOR		RS1/10SR821J
<u>RESISTORS</u>							
E	R200	RESISTOR	RS1/8SQ0R0J	R264	RESISTOR		RS1/10SR103J
	R201	RESISTOR	RS1/10SR102J	R266	RESISTOR		RS1/10SR103J
	R202	RESISTOR	RS1/10SR122J	R267	RESISTOR		RS1/10SR103J
	R203	RESISTOR	RS1/10SR102J	R268	RESISTOR		RS1/10SR103J
	R204	RESISTOR	RS1/10SR102J	R269	RESISTOR		RS1/10SR121J
	R205	RESISTOR	RS1/10SR152J	R270	RESISTOR		RS1/10SR750J
	R206	RESISTOR	RS1/10SR182J	R271	RESISTOR		RS1/10SR750J
	R207	RESISTOR	RS1/10SR222J	R272	RESISTOR		RS1/10SR750J
	R208	RESISTOR	RS1/10SR332J	R273	RESISTOR		RS1/10SR103J
	R209	RESISTOR	RS1/10SR392J	R274	RESISTOR		RS1/10SR472J
F	R210	RESISTOR	RS1/10SR562J	R275	RESISTOR		RS1/10SR223J
	R211	RESISTOR	RS1/10SR102J	R276	NET RES		RAB4C330J
	R212	RESISTOR	RS1/10SR122J	R277	NET RES		RAB4C330J
	R213	RESISTOR	RS1/10SR102J	R278	NET RES		RAB4C330J
	R214	RESISTOR	RS1/10SR152J	R279	RESISTOR		RS1/10SR103J

5		6		7		8	
Circuit Symbol and No.		Part No.		Circuit Symbol and No.		Part No.	
R280	RESISTOR	RS1/10SR103J		C243	CAPACITOR	CKSRYB104K16	
R281	RESISTOR	RS1/10SR562J		C244	CAPACITOR	141809040106-FY	
R284	RESISTOR	RS1/10SR472J		C248	E.CAP	141842070107-FY	
R285	RESISTOR	RS1/10SR102J		C249	CAPACITOR	CKSRYB104K16	A
R286	RESISTOR	RS1/8SQ680J		C251	E.CAP	141842070107-FY	
R287	RESISTOR	RS1/8SQ151J		C252	CAPACITOR	CKSRYB681K50	
R288	RESISTOR	RS1/10SR473J		C253	E.CAP	141842070107-FY	
R289	RESISTOR	RS1/8SQ331J		C254	CAPACITOR	141809040106-FY	
R290	RESISTOR	RS1/10SR473J		C255	CAPACITOR	CKSRYB104K16	
R291	RESISTOR	RS1/10SR103J		C256	CAPACITOR	CKSRYB104K16	
R292	RESISTOR	RS1/8SQ680J		C257	CAPACITOR	CKSRYB104K16	
R293	CHIP BEAD	142040000039-FY		C258	CAPACITOR	CKSRYB104K16	
R295	RESISTOR	RS1/10SR103J		C259	CAPACITOR	141809040106-FY	
R296	RESISTOR	RS1/10SR102J		C277	CAPACITOR	CKSYB225K25	
R297	RESISTOR	RS1/10SR153J		C278	CAPACITOR	CKSRYB104K16	B
R298	RESISTOR	RS1/10SR103J		C279	CAPACITOR	CKSRYB104K16	
R299A	RESISTOR	RS1/10SR102J		C280	CAPACITOR	141812010226-FY	
CAPACITORS				C281	CAPACITOR	CKSRYB104K16	
C201	CAPACITOR	CKSRYB103K50		C282	CAPACITOR	141812010226-FY	
C202	CAPACITOR	CKSRYB103K50		C283	E.CAP	141842070107-FY	
C203	CAPACITOR	141812010226-FY					
C204	CAPACITOR	CKSRYB104K16		C285	CAPACITOR	CCSRCH101J50	
C205	CAPACITOR	CKSRYB102K50		C291	CAPACITOR	CKSQYB225K16	
C206	CAPACITOR	CKSRYB102K50		C292	CAPACITOR	CKSRYB104K16	
C207	CAPACITOR	CKSRYB331K50		C294	E.CAP	141842070107-FY	
C208	CAPACITOR	CKSRYB681K50		C295	E.CAP	141842070107-FY	
C209	CAPACITOR	141803040105-FY					
C210	CAPACITOR	CCSRCH330J50		C296	E.CAP	141842070107-FY	C
C211	CAPACITOR	CCSRCH330J50		CB/LB Assy			
C212	CAPACITOR	141803040105-FY		Consists of			
C213	CAPACITOR	CCSRCH330J50		CB PCB			
C214	CAPACITOR	CCSRCH330J50		LB PCB			
C215	CAPACITOR	141803040105-FY					
C218	CAPACITOR	CKSRYB102K50		EF			
C219	CAPACITOR	CKSRYB104K16		Unit Number :			
C220	CAPACITOR	CCSRCH330J50		Unit Name : CB/LB Assy			
C221	CAPACITOR	CCSRCH330J50					
C222	CAPACITOR	CKSRYB104K16					
C223	CAPACITOR	CKSRYB104K16		LED1	LED	143405010069-FY	
C224	CAPACITOR	CKSRYB104K16		LED2	LED	143405010069-FY	
C225	CAPACITOR	CKSRYB104K16		SW1	TACT SW	123210010125-FY	
C226	CAPACITOR	141809010106-FY		SW2	TACT SW	143210010096-FY	
C227	CAPACITOR	CKSRYB104K16		SW3	TACT SW	143210000097-FY	
C228	CAPACITOR	CKSRYB105K16		CN406	FPC SOCKET	123800010040-FY	
C229	CAPACITOR	141812010226-FY		CON1	CONNECTOR	123800020170-FY	E
C230	CAPACITOR	CKSRYB104K16					
C231	CAPACITOR	CKSQYB225K16					
C232	CAPACITOR	141812010226-FY					
C233	CAPACITOR	CKSRYB104K16					
C234	CAPACITOR	141812010226-FY					
C235	CAPACITOR	CKSRYB104K16					
C236	CAPACITOR	CKSRYB104K16					
C237	CAPACITOR	CKSRYB104K16					
C238	CAPACITOR	141803040105-FY					
C239	CAPACITOR	141803040105-FY					
C240	CAPACITOR	141803040105-FY					
C241	CAPACITOR	CKSQYB225K16					
C242	CAPACITOR	141809040106-FY					

CB/LB Assy

Consists of

CB PCB

LB PCB



Unit Number :

Unit Name : CB/LB Assy

MISCELLANEOUS

LED1	LED	143405010069-FY
LED2	LED	143405010069-FY
SW1	TACT SW	123210010125-FY
SW2	TACT SW	143210010096-FY
SW3	TACT SW	143210000097-FY
CN406	FPC SOCKET	123800010040-FY
CON1	CONNECTOR	123800020170-FY