

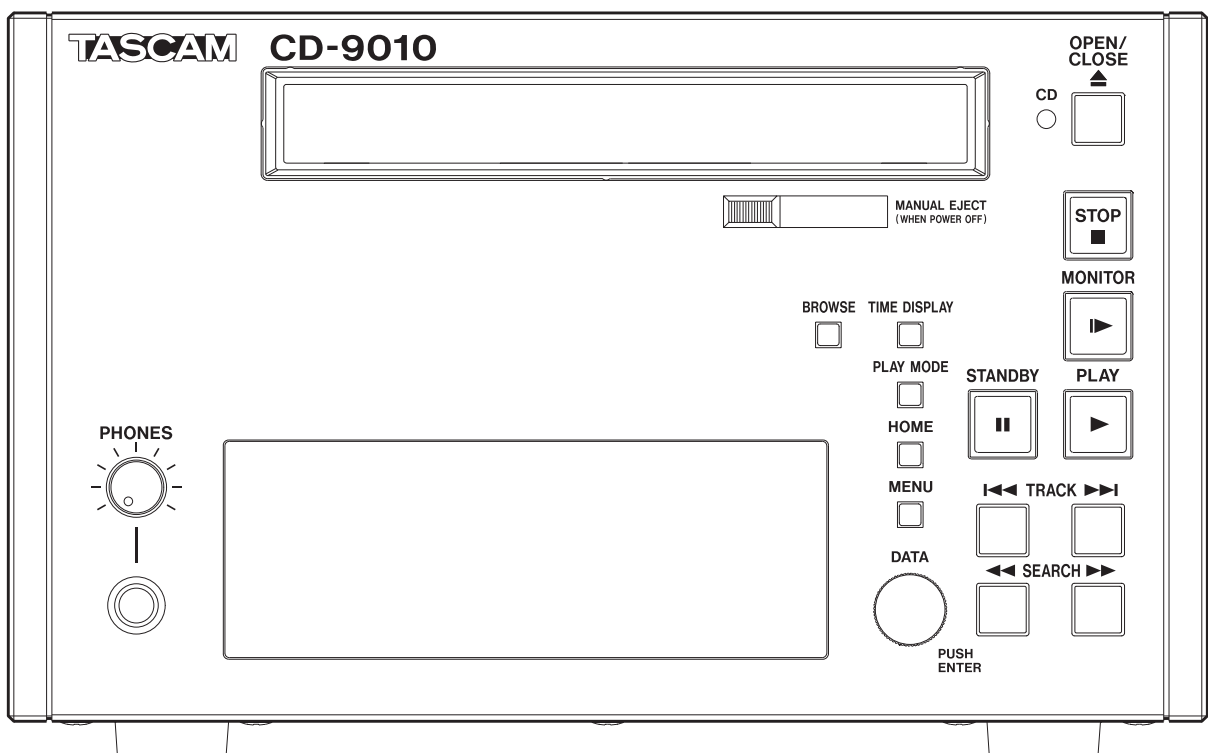
TASCAM

D01167920A

CD-9010

CD Player

OWNER'S MANUAL



Important Safety Information



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.

- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
 - The apparatus draws nominal non-operating power from the AC outlet with its POWER or STANDBY/ON switch not in the ON position.
 - The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
 - Caution should be taken when using earphones or headphones with the product because excessive sound pressure (volume) from earphones or headphones can cause hearing loss.
 - If you are experiencing problems with this product, contact TEAC for a service referral. Do not use the product until it has been repaired.

CAUTION

- Do not expose this apparatus to drips or splashes.
 - Do not place any objects filled with liquids, such as vases, on the apparatus.
 - Do not install this apparatus in a confined space such as a book case or similar unit.
 - The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
 - If the product uses batteries (including a battery pack or installed batteries), they should not be exposed to sunshine, fire or excessive heat.
 - CAUTION for products that use replaceable lithium batteries: there is danger of explosion if a battery is replaced with an incorrect type of battery. Replace only with the same or equivalent type.

WARNING

Products with Class I construction are equipped with a power supply cord that has a grounding plug. The cord of such a product must be plugged into an AC outlet that has a protective grounding connection.

In North America use only on 120V supply.

■ For U.S.A.

TO THE USER

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION

Changes or modifications to this equipment not expressly approved by TEAC CORPORATION for compliance could void the user's authority to operate this equipment.

■ For European Customers

CE Marking Information

- a) Applicable electromagnetic environment: E4
- b) Peak inrush current: 14 A

Disposal of electrical and electronic equipment

- (a) All electrical and electronic equipment should be disposed of separately from the municipal waste stream via collection facilities designated by the government or local authorities.
- (b) By disposing of electrical and electronic equipment correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.
- (c) Improper disposal of waste electrical and electronic equipment can have serious effects on the environment and human health because of the presence of hazardous substances in the equipment.
- (d) The Waste Electrical and Electronic Equipment (WEEE) symbol, which shows a wheeled bin that has been crossed out, indicates that electrical and electronic equipment must be collected and disposed of separately from household waste.



- (e) Return and collection systems are available to end users. For more detailed information about the disposal of old electrical and electronic equipment, please contact your city office, waste disposal service or the shop where you purchased the equipment.

Disposal of batteries and/or accumulators

- (a) Waste batteries and/or accumulators should be disposed of separately from the municipal waste stream via collection facilities designated by the government or local authorities.
- (b) By disposing of waste batteries and/or accumulators correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.
- (c) Improper disposal of waste batteries and/or accumulators can have serious effects on the environment and human health because of the presence of hazardous substances in them.
- (d) The WEEE symbol, which shows a wheeled bin that has been crossed out, indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.



Pb, Hg, Cd

If a battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) as defined in the Battery Directive (2006/66/EC), then the chemical symbols for those elements will be indicated beneath the WEEE symbol.

- (e) Return and collection systems are available to end users. For more detailed information about the disposal of waste batteries and/or accumulators, please contact your city office, waste disposal service or the shop where you purchased them.

WARNING

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

For Canada

THIS CLASS A DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.CET

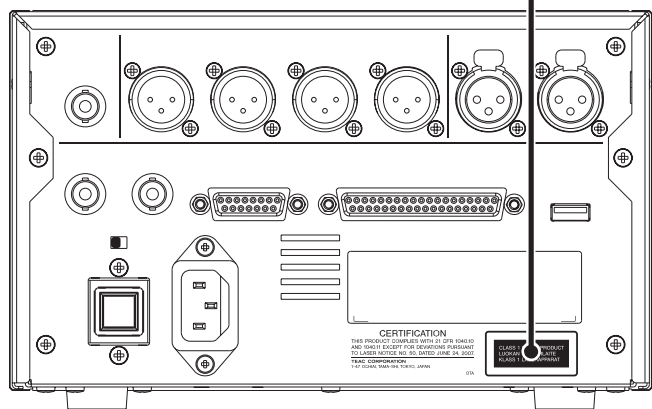
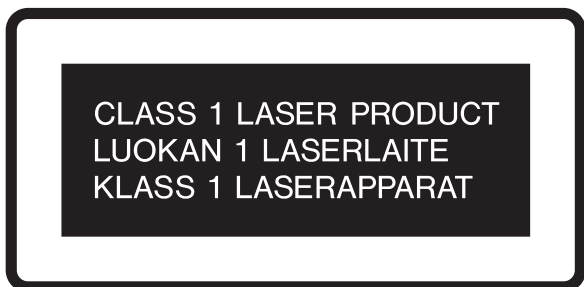
APPAREIL NUMERIQUE DE LA CLASSE B EST CONFORME A LA NORME NMB-003 DU CANADA.

Safety precautions

■ CAUTIONS ABOUT LASER RADIATION

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968," and is classified as a class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown at ①.



CAUTIONS

- DO NOT REMOVE THE PROTECTIVE HOUSING USING A SCREWDRIVER.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- IF THIS PRODUCT DEVELOPS TROUBLE, CONTACT YOUR NEAREST QUALIFIED SERVICE PERSONNEL, AND DO NOT USE THE PRODUCT IN ITS DAMAGED STATE.

Optical pickup

Type: HOF-1501XB
 Manufacturer: Hitachi Media Electronics
 Laser output: Less than 0.5 mW on the objective lens
 Wavelength: 785 nm ±22 nm
 Standard: IEC60825-1 : 2007

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number

Serial number

产品有毒有害物质或元素的名称及含量

机种: CD-9010		有毒有害物质或元素				
品名	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
1 CHASSIS 部份	○	○	○	○	○	○
2 PCB Assy 部份	×	○	○	○	○	○
3 CD DRIVE 部份	○	○	○	○	○	○
4 线材部份	○	○	○	○	○	○
5 附属品部份	○	○	○	○	○	○
6 LABEL 部份	○	○	○	○	○	○
7 包装部份	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

(针对现在代替技术困难的电子部品及合金中的铅)

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1 – Introduction

Thank you very much for purchasing a TASCAM CD-9010 CD Player.

Please read this manual thoroughly before using the unit so that you understand correct operating procedures and can use its functions fully. We hope that you enjoy using this unit for many years.

Please keep this manual so that you can refer to it at any time. A digital copy of this manual can also be downloaded from our website (<http://tascam.com/>).

Features

This professional CD player is designed for a variety of uses, including broadcasting, postproduction and installation applications. Here are some of its features.

- In addition to commercially-available audio CDs, CD-DA format audio CDs and CD-R discs with WAV format files (except unfinalized data CDs) can be played back
- Analog inputs: **MIX INPUTS** stereo pair (signal can mixed with the CD playback signal or passed through as is to the **LINE OUTPUTS**)
- Analog outputs: **LINE OUTPUTS** stereo pair, **MONITOR OUTPUTS** stereo pair and stereo **PHONES** monitoring output
- Digital output: 2 outputs (stereo) with sample rate conversion
- Playback signals of the two playback modes—online playback for live/on-air use and monitoring playback for confirmation/rehearsal use—can be output from different connectors
- Auto cue function enables standby at the point when audio begins in a track
- Auto ready function enables automatic standby at the beginning of the next track after one track completes playback
- **JOG** dial enables searching one frame at a time
- Searching by index is possible
- Fail safe function prevents misoperation during critical playback situations
- Synchronization with external word clock (44.1 or 48 kHz) is possible and the CD playback signal can be output digitally with a 48kHz sampling frequency when synchronized with 48kHz external clock
- $\pm 12.5\%$ pitch control function
- Connect a TASCAM RC-9010/RC-9010S remote control (sold separately) to enhance operation and increase functionality
- End check function allows playback of the ends of tracks
- Up to 9 cue points can be remembered for each disc
- Manual eject mechanism allows CDs to be removed even when the power is off

Included items

This product includes the following items.

Take care when opening the package not to damage the items. Keep the packing materials for transportation in the future.

Please contact TASCAM if any of these items are missing or have been damaged during transportation.

- Main unit 1
- Power cord 1
- Warranty card 1
- Owner's Manual (this manual)..... 1

Conventions used in this manual

In this manual, we use the following conventions:

- When instructed to select an item, use the controls so that item appears to be light letters on a dark background.
- Buttons, connectors and other parts of the unit and external devices are indicated like this: **STOP**
- Messages on the unit's display are shown like this: MENU
- CD-DA format discs are sometimes called "audio CDs"
- A CD with WAV files is sometimes called a "data CD"
- Additional information is provided as necessary as tips, notes and cautions.

TIP

These are tips about how to use the unit.

NOTE

These provide additional explanations and describe special cases.

CAUTION

Failure to follow these instructions could result in injury, damage to equipment or lost recording data, for example.

Intellectual property rights

- TASCAM is a trademark of TEAC Corporation, registered in the U.S. and other countries.
- Other company names, product names and logos in this document are the trademarks or registered trademarks of their respective owners.

Precautions for placement and use

- The operating temperature should be between 5°C and 35°C (41°F and 95°F).
- Do not install in the following types of places. Doing so could degrade the sound quality and/or cause malfunctions.
 - Places with significant vibrations or that are otherwise unstable
 - Near windows or other places exposed to direct sunlight
 - Near heaters or other extremely hot places
 - Extremely cold places
 - Places with bad ventilation or high humidity
 - Very dusty locations
- This unit can be installed at an angle of $\pm 5^\circ$.
- In order to assure good heat dissipation, do not place any object on top of the unit.
- Do not install this unit on top of any heat-generating electrical device such as a power amplifier.

Connecting the power

- Insert the included power cord into the **AC IN** connector completely.
- Hold the power cord by the plug when connecting or disconnecting it.

Beware of condensation

If the unit is moved from a cold to a warm place, or used immediately after a cold room has been heated or otherwise exposed to a sudden temperature change, condensation could occur. Should this happen, leave the unit for one or two hours before turning the unit on.

Cleaning the unit

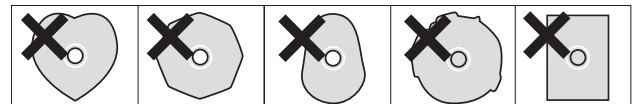
To clean the unit, wipe it gently with a soft dry cloth. Do not wipe with chemical cleaning cloths, benzene, paint thinner, ethyl alcohol or other chemical agents to clean the unit as they could damage the surface.

About discs

In addition to commercially-available music CDs, this unit can play CD-R discs that have been recorded in audio CD (CD-DA) format, as well as CD-R discs that have WAV audio files recorded on them. It can also playback 8cm discs.

Handling of compact discs

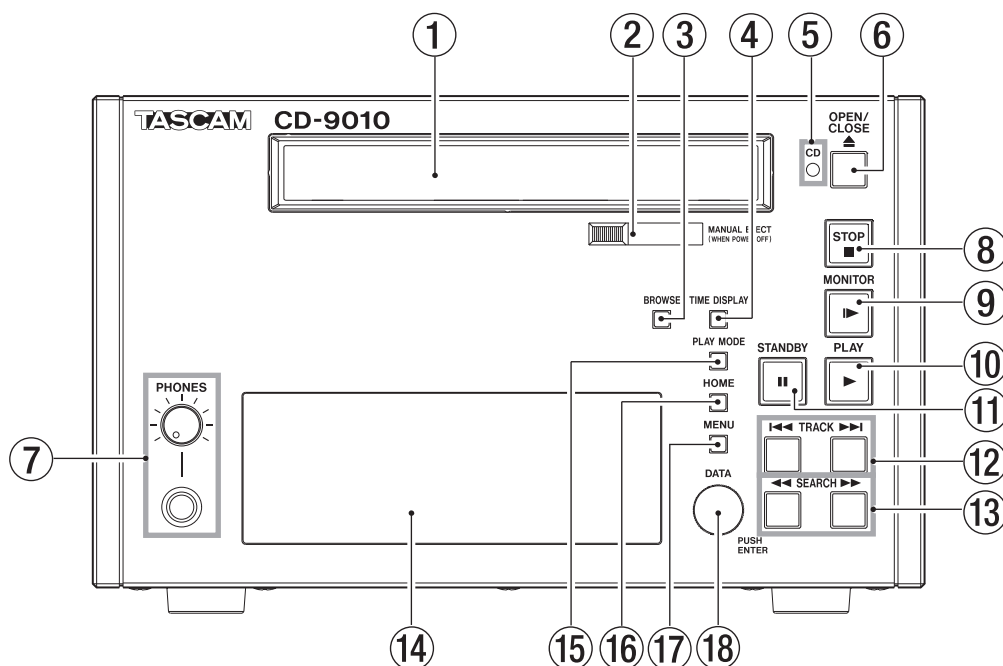
- Always load compact discs with their labels facing upward.
- To remove a disc from its case, press down on the center of the disc holder, then lift the disc out, holding it carefully by the edges.
- Do not touch the signal side (the unlabeled side). Fingerprints, oils and other substances can cause errors during playback.
- To clean the signal side of a disc, wipe gently with a soft dry cloth from the center towards the outside edge. Dirt on discs can lower the sound quality, so clean them and always store them in a clean state.
- Do not use any record spray, anti-static solutions, benzene, paint thinner or other chemical agents to clean CDs as they could damage the delicate playing surface. It may cause CDs to become unplayable.
- Do not apply labels or other materials to discs. Do not use discs that have had tape, stickers or other materials applied to their surface. Do not use discs that have sticky residue from stickers, etc. Such discs could become stuck in the unit or cause it to malfunction.
- Never use a commercially available CD stabilizer. Using stabilizers with this player will damage the mechanism and cause it to malfunction.
- Do not use cracked discs.
- Only use circular compact discs. Avoid using non-circular promotional discs, etc.



- Music discs with copy control, a copy-protection system, have been released from several record companies in an attempt to protect the copyright. Since some of these discs do not comply with the CD specifications, they may not be playable on the unit.

2 – Names and Functions of Parts

Front panel



- ① **Disc tray**
Press the **OPEN/CLOSE** button to open the disc tray to load or remove discs.
Press the **OPEN/CLOSE** button again to close the disc tray.
- ② **MANUAL EJECT**
Use this to remove a disc when the power is off.
- ③ **BROWSE button**
Press to open the **BROWSE** screen.
Use this screen to look inside folders on data CDs, for example.
With audio CDs, use the screen to see its tracks.
- ④ **TIME DISPLAY button**
Press when the Home Screen is open to switch the time display between elapsed track time and remaining track time. This button only changes the display on this unit.
To change the time display on a connected TASCAM RC-9010/RC-9010S remote control (sold separately), press the **TIME DISPLAY** button on the remote.
When the Home Screen is open, press and hold this button while turning the **DATA** dial to adjust the display contrast.

NOTE

This operation only adjusts the contrast of this unit. It does not adjust the contrast of a connected TASCAM RC-9010/RC-9010S remote control (sold separately).

- ⑤ **CD indicator**
This blinks when a CD is loaded. When data reading is complete, the indicator stays lit and playback is possible.
- ⑥ **OPEN/CLOSE button**
Press this to open the disc tray.

NOTE

In order to reduce the amount of time required to remove a disc, the disc tray will open before the disc has completely stopped.

- ⑦ **PHONES jack/knob**
Use this standard stereo jack to connect stereo headphones.
Use the **PHONES** knob to adjust the headphones output level.
The knob can be pushed in and locked, allowing the unit to be stored and transported safely. To unlock it, push it in again. (See "Connecting headphones" on page 15.)

CAUTION

Before connecting headphones, use the PHONES knob to lower the volume. Failure to do so might result in sudden loud sounds, which could harm your hearing or result in other trouble.

- ⑧ **STOP button/indicator**
Press this button at any time to stop playback at the current point.
Press this button during online or monitoring playback or when in playback standby to stop playback.
This button lights when playback is stopped.
- ⑨ **MONITOR button/indicator**
Press this button to start monitoring playback.
The playback signal is output through the **MONITOR OUTPUTS (R/L)** and the **PHONES** jack.
This button lights during monitoring playback.
- ⑩ **PLAY button/indicator**
Press when playback is stopped or in standby to start playback. This button lights during playback or when in playback standby.
When the **ON LINE** button on a connected TASCAM RC-9010/RC-9010S remote control (sold separately) is lit, or the **SYSTEM** menu **ONLINE FUNCTION** item is set to **ALWAYS ON**, online playback occurs and the playback signal is output through the **LINE OUTPUTS (R/L)** and the **DIGITAL OUTPUT**.
To send the signal through the **MONITOR OUTPUTS (R/L)** and **PHONES** jack, set the **SYSTEM** menu **MON MUTE ONLINE** item to **OFF**. (See "Muting monitoring when online" on page 31.)
This button lights during online playback.

2 – Names and Functions of Parts

11 STANDBY button/indicator

When playback is stopped or during jog playback, press this button to pause and start playback standby at the current point.

When in monitoring playback mode and MONITOR PLAY STBY is set to BACK CUE in the PLAY menu, press this button to return to the point at which monitoring playback last started and enter standby. When MONITOR PLAY STBY is set to NORMAL, press to enter playback standby at the current point.

When using online playback, pressing this button has a different function depending on the playback mode.

Playback mode	Function
CONTINUE or SINGLE	When ONLINE PLAY STBY is set to NORMAL in the PLAY menu, enter playback standby at the current position. When set to BACK CUE, locate to the last cue point and enter playback standby.
PROGRAM	When ONLINE PLAY STBY is set to NORMAL in the PLAY menu, enter playback standby at the beginning of the next track. When set to BACK CUE, locate to the last cue point and enter playback standby.

This button lights when in playback standby.

12 TRACK ◀◀/▶▶ buttons

Use these buttons to skip between and select tracks.

13 SEARCH ◀◀/▶▶ buttons

Search while pressing these buttons.

While pressing the SEARCH ▶▶ (or SEARCH ◀◀) button to search, you can change the search speed by pressing the other SEARCH ◀◀/▶▶ button.

14 Display

This shows disc information, the operation mode, menus and other data.

15 PLAY MODE button

When the Home Screen is open, press this button to cycle through the playback modes in the following order.

→ CONTINUE mode → SINGLE mode → PROGRAM mode →

16 HOME button

When the MENU screen, BROWSE screen, PROGRAM screen or CUE LIST screen is open, press this to return to the Home Screen.

Press this button when the Home Screen is open to scroll CD-TEXT file names and data in the information area of the Home Screen.

Press the MENU button while pressing and holding this button to turn the panel lock function ON and OFF. (See "Setting the panel lock function" on page 16.)

When the Home Screen is open, press and hold this button while turning the DATA dial to adjust the brightness of the display and the indicators.

You can adjust the brightness of the display alone by pressing and turning the DATA dial while pressing and holding this button.

NOTE

This operation only adjusts the contrast of the display and indicators of this unit. It does not adjust the contrast of a connected TASCAM RC-9010/RC-9010S remote control (sold separately).

17 MENU button

Press to open the MENU screen.

Press this button while pressing and holding the HOME button to turn the panel lock function ON and OFF. (See "Setting the panel lock function" on page 16.)

18 DATA dial

Turn the DATA dial to select items on the MENU screen.

Press the dial to use it as an ENTER button when confirming operations on the MENU screen.

When the Home Screen is open, press and hold the HOME button while turning the dial to adjust the brightness of the display and the indicators.

To adjust the brightness of the display alone, press and turn this dial while pressing and holding the HOME button.

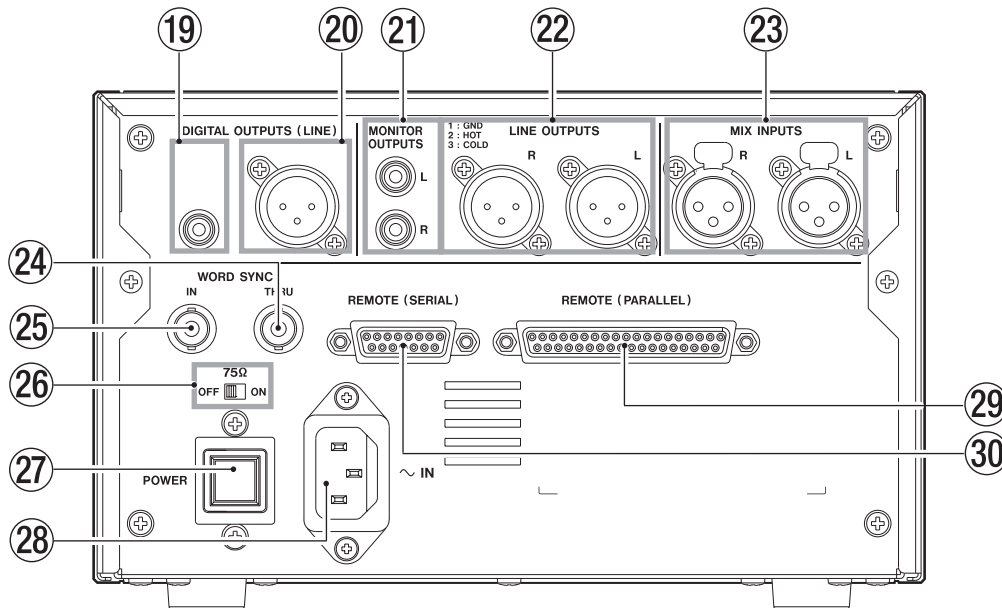
Press and hold the TIME DISPLAY button while turning the DATA dial to adjust the display contrast.

NOTE

These operations only adjust the brightness and contrast of the display and indicators of this unit. They do not adjust the brightness and contrast of a connected TASCAM RC-9010/RC-9010S remote control (sold separately).

2 – Names and Functions of Parts

Rear panel



19 DIGITAL OUTPUT (COAXIAL)

This outputs a digital CD playback signal. The digital output signal depends on the DIGITAL OUT TYPE setting on the SYSTEM menu screen. (See "Setting the digital output format" on page 29.)

The digital output signal depends on the master clock setting. (See "Setting the master word clock" on page 30.)

20 DIGITAL OUTPUT (XLR)

This outputs a digital CD playback signal. The digital output signal depends on the DIGITAL OUT TYPE setting on the SYSTEM menu screen. (See "Setting the digital output format" on page 29.)

The digital output signal depends on the master clock setting. (See "Setting the master word clock" on page 30.)

21 MONITOR OUTPUTS (R/L) (unbalanced)

These unbalanced RCA analog outputs can be connected to a monitoring system.

The nominal output level is -10 dBv.

22 LINE OUT OUTPUTS (R/L) (balanced)

These are balanced analog XLR outputs.

The default nominal output level is +4 dBu (+6 dBu only when the maximum output level is +15 dBu), but can be set to -20 dBu.

(1: GND, 2: HOT, 3: COLD)

23 MIX INPUTS (R/L) (balanced)

These balanced analog XLR inputs are used for mix input with a nominal output level of +4 dBu.

(1: GND, 2: HOT, 3: COLD)

Signals input here are mixed with the playback signal from the CD and output from the LINE OUTPUTS. Even when the power is off, signals input here will be output unchanged through the LINE OUTPUTS.

24 WORD SYNC THRU

The input word clock signal is thru output from this connector, allowing it to be sent to other digital devices.

25 WORD SYNC IN

Input a word clock signal through this connector. When this unit is set to use an external clock (EXT), the word clock input through this connector is used.

26 75Ω (ON/OFF) switch

Turns the 75Ω word clock terminator ON or OFF.

27 POWER switch

Turns the power ON or OFF.

CAUTION

Before turning on the power, turn down the volume of other equipment connected to this unit. Failure to do so might cause sudden loud sounds, which could harm your hearing or result in other trouble.

28 AC IN connector

Connect the included power cord here.

29 REMOTE (PARALLEL)

This D-sub 37-pin I/O connector is for parallel control.

Use it for external control, including fader starting. (See "Using the parallel connector" on page 35.)

30 REMOTE (SERIAL)

This D-Sub 15-pin I/O connector is for serial control.

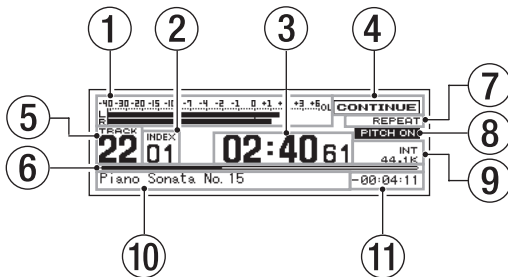
Connect a TASCAM RC-9010/RC-9010S remote control (sold separately) here.

2 – Names and Functions of Parts

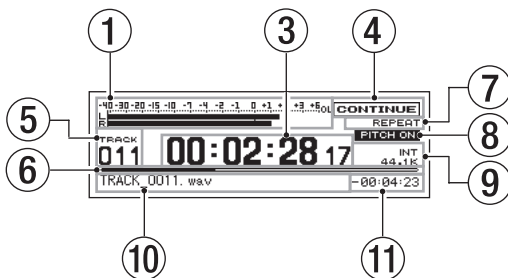
Home Screen

The following information is shown on the display of the unit.

Home Screen with audio CD



Home Screen with data CD



- ① **Playback level meters**
These show the playback level.
Depending to the SYSTEM menu MON MIX item setting, only one level bar will be shown and the indicator on the left end will change from LR to 3M, 6M, L, or R. (See "Mono mix setting" on page 30.)
Even when set to ST, if a mono WAV file is played back, the display will change to M and a single level bar will be shown.
If you switch the SYSTEM menu METER TYPE item to VU from PEAK, the display will change to a VU-type meter display. (See "Setting the level meter display type" on page 31.)
- ② **Index**
This shows the currently playing or selected index number (audio CD only).
- ③ **Track time display (main area)**
This shows the time of the current track.
The contents depend on the playback media.

Media	Contents shown
Audio CD	Minutes, seconds, frames
Data CD	Hours, minutes, seconds, frames

Pressing the **TIME DISPLAY** button switches between elapsed time display and remaining time display.
A "-" appears before the remaining time when shown.
When an EOM tally signal is being output, the ":" blinks. (See "EOM functions" on page 22)

- ④ **Playback mode**
Shows the current playback mode.

Indicator	Meaning
CONTINUE	Continuous playback mode
SINGLE	Single playback mode
PROGRAM	Program playback mode

- ⑤ **Track number**
Shows the current track number.
- ⑥ **Track playback position**
Shows the current playback position as a bar. As playback proceeds, the bar extends from the left.
- ⑦ **Repeat playback function indicator**
This shows the ON/OFF status of the repeat playback function.

Indicator	Meaning
No indicator	Repeat playback function is OFF
REPEAT	Repeat playback function is ON
REPEAT A-	A-B repeat playback function starting point set
REPEAT A-B	A-B repeat playback function is ON

NOTE

The A-B repeat playback function will only be displayed if selected using a TASCAM RC-9010/RC-9010S remote controller (sold separately).

- ⑧ **PITCH indicator**
The PITCH ON indicator appears if the pitch control function is on.
- ⑨ **Master clock indicator**
This shows the current master clock.

Indicator	Meaning
INT	Unit's internal clock in use
EXT	Synchronized with the word clock input through the WORD SYNC IN connector
EXT NO CLK	No signal input through the WORD SYNC IN connector
EXT UNLOCK	WORD SYNC IN connector input signal unlocked
EXT (blinking)	Synchronization with word clock input through the WORD SYNC IN connector possible (after playback completes, the unit will automatically resynchronize with the word clock)
44.1K	Master clock frequency is 44.1 kHz
48K	Master clock frequency is 48 kHz

- ⑩ **Information area**
CD-TEXT will be shown if available.
File names will be shown when using data CDs.
When the playback mode is set to PROGRAM, information for the next program item is shown.
- ⑪ **Track time display (sub area)**
The time of the current track is shown. When the main display area shows the elapsed time, this shows the remaining time, and vice versa.
A "-" appears before the remaining time when shown.

2 – Names and Functions of Parts

Menu structure

Press the **MENU** button to show the MENU screen.

MENU	
1 PLAY	1 AUTO CUE
2 PROGRAM/CUE	2 AUTO CUE LEVEL
3 REMOTE	3 AUTO READY
4	4 INCREMENTAL PLAY
5 SYSTEM	5 ONLINE BACK CUE
6 INFORMATION	6 PLAY KEY FUNCTION

The menu has five submenus.

1 PLAY	Settings related to playback
2 PROGRAM/CUE	Settings related to program playback and cue point
3 REMOTE	Settings related external remote settings
4	This menu item has been intentionally left blank.
5 SYSTEM	Settings related to the unit's system.
6 INFORMATION	Settings related to media information and the system version, and operating time confirmation.

The submenu items are as follows.

Main menu item	Submenu item	Function/Setting	Reference
1 PLAY	1 AUTO CUE	Auto Cue	P. 19
	2 AUTO CUE LEVEL	Auto Cue level	P. 19
	3 AUTO READY	Auto Ready	P. 20
	4 INCREMENTAL PLAY	Incremental playback	P. 20
	5 ONLINE BACK CUE	Online back cue function	P. 20
	6 PLAY KEY FUNCTION	Function of PLAY and MONITOR buttons when online OFF	P. 20
	7 MONITOR PLAY STBY	STANDBY button function during monitoring playback	P. 21
	8 ONLINE PLAY STBY	STANDBY button function during online playback	P. 21
	9 REPEAT	Repeat playback function	P. 21
	10 EOM	EOM function	P. 22
	11 END CHECK	END CHECK function	P. 22
	12 PITCH	Pitch control function	P. 23
	13 PITCH %	Pitch control value	P. 23
	14 PITCH/TIME FIT	Time and pitch control playback	P. 23
2 PROGRAM/CUE	1 PROGRAM EDIT	Edit programs	P. 24
	4 CUE LIST EDIT	Edit cue lists	P. 26
	7 CUE POINT LOAD	Cue point loading	P. 27
3 REMOTE	1 FADER MODE	Fader function for TASCAM RC-9010/RC-9010S or other external remote (sold separately)	P. 33
	2 FADER START MODE	Fader start function for TASCAM RC-9010/RC-9010S or other external remote (sold separately)	P. 33
	3 FADER STOP MODE	Fader stop function for TASCAM RC-9010/RC-9010S or other external remote (sold separately)	P. 33
	4 FADER STOP ACT	Fader stop function action	P. 34
	5 FADER SCALE	Fader scale switching	P. 34
	6 OPERATION PANEL	Panel lock function	P. 16
	7 P.PORT P3/13 ASGN	Parallel remote connector 3-pin and 13-pin functions	P. 35
	8 SERIAL BAUD RATE	Serial remote connector transmission speed (baud rate)	P. 34

2 – Names and Functions of Parts

Main menu item	Submenu item	Function/Setting	Reference	
5	SYSTEM	1 DIGITAL REF LVL	Digital reference level	P. 29
		2 ANALOG REF LVL	Analog output reference level	P. 29
		3 ANALOG REF ADJ L	Adjust the analog output reference level of the L channel	P. 29
		4 ANALOG REF ADJ R	Adjust the analog output reference level of the R channel	P. 29
		5 ONLINE FUNCTION	Online function	P. 29
		6 CLOCK MASTER	Master clock	P. 30
		7 MONO MIX	Mono playback	P. 30
		8 METER TYPE	Meter display	P. 31
		9 FAIL SAFE	Fail-safe function	P. 31
		10 MONITORING POINT	Set monitoring output to before or after the online fader	P. 31
		11 MON MUTE ONLINE	Set automatically mute monitoring during online playback	P. 31
		12 LCD BRIGHTNESS	Display brightness	P. 15
		13 LCD CONTRAST	Display contrast	P. 14
		14 LED BRIGHTNESS	Indicator brightness	P. 15
6	INFORMATION	19 FACTORY PRESET	Restore factory settings	P. 32
		20 DIGITAL OUTPUT TYPE	Set the C-bit of the digital output signal	P. 32
		1 MEDIA INFO	Show information about the media in the CD	P. 32
		2 SYSTEM INFO	Check the system version and operating time	P. 32

Menu operation basics

You can perform the following operations using the MENU screen.

To select an item (vertically on the screen)

- Turn the **DATA** dial.

The selected menu item appears as light letters on a dark background (highlighted in inverse).

To confirm the selected item

- Press the **DATA** dial.

To go back one menu level

- Press the **MENU** button.

To return directly to the Home screen from the Menu screen

- Press the **HOME** button.

NOTE

If there are items above or below the currently displayed items in the list, ▲ and/or ▼ will be shown at the top and/or bottom of the list.

Menu operation procedures

This example explains how to set the auto ready function.

- Press the **MENU** button to open the MENU screen.

MENU	
1	PLAY
2	PROGRAM/CUE
3	REMOTE
4	
5	SYSTEM
6	INFORMATION

- Turn the **DATA** dial to select **PLAY**, and press the **DATA** dial to open the **PLAY** menu.

MENU	
1	AUTO CUE OFF
2	AUTO CUE LEVEL -24 dB
3	AUTO READY OFF
4	INCREMENTAL PLAY OFF
5	ONLINE BACK CUE OFF
6	PLAY KEY FUNCTION NORMAL

- Turn the **DATA** dial to select **AUTO READY**, and press the **DATA** dial to highlight the setting value.

MENU	
1	AUTO CUE OFF
2	AUTO CUE LEVEL -24 dB
3	AUTO READY ON
4	INCREMENTAL PLAY OFF
5	ONLINE BACK CUE OFF
6	PLAY KEY FUNCTION NORMAL

- Turn the **DATA** dial to set the **AUTO READY** item **ON** or **OFF**.

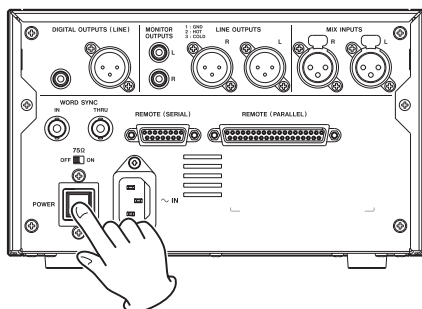
MENU	
1	AUTO CUE OFF
2	AUTO CUE LEVEL -24 dB
3	AUTO READY ON
4	INCREMENTAL PLAY OFF
5	ONLINE BACK CUE OFF
6	PLAY KEY FUNCTION NORMAL

- Press the **DATA** dial to return to the **PLAY** menu screen.
- Repeat steps 3–5 as necessary to set other items.
 - To change a menu item or a setting item, press the **MENU** button to show submenu items and return to step 1.
 - To change the selected setting item, turn the **DATA** dial.
- Press the **HOME** button to return to the Home screen.

3 – Preparations

Turning the power ON and OFF

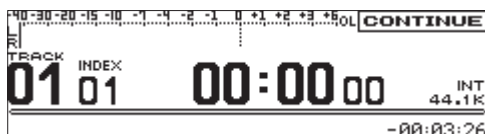
Press the **POWER** switch on the rear panel to turn the power ON.



Startup screen



Home Screen



The unit starts and the startup screen appears.

If no CD has been loaded, the screen shows **NO MEDIA**.

If a CD has been loaded, the screen shows **MEDIA READING** while the unit reads the CD. When this process is complete, the Home Screen is displayed.

Turning the power OFF

Press the **POWER** switch to turn the power OFF. No special shutdown procedures are necessary.

Adjusting the display

You can adjust the display contrast and brightness as necessary.

Adjusting display contrast

When the Home Screen is open, use the **TIME DISPLAY** button and **DATA** dial to adjust the display contrast.

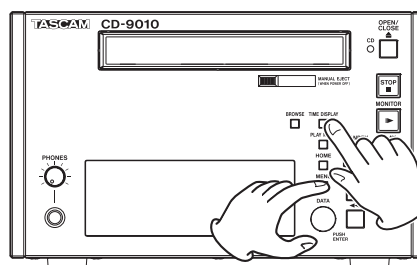
You can also use **SYSTEM** menu's **LCD CONTRAST** to adjust it.

NOTE

- This operation only adjusts the contrast of this unit. It does not adjust the contrast of a connected TASCAM RC-9010/RC-9010S remote control (sold separately).
- The display contrast setting is retained even when the power is OFF.

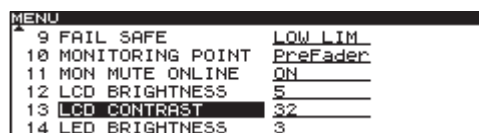
Setting using the controls

With the Home Screen open, while pressing and holding the **TIME DISPLAY** button, turn the **DATA** dial to adjust the unit's display contrast.



Setting using the menu

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **LCD CONTRAST**.



4. Press the **DATA** dial to move the cursor (selected area) right to select the value.
5. Turn the **DATA** dial to adjust the contrast.
 - Options: 0–63 (default value: 32)
6. Press the **HOME** button to return to the Home Screen.

Adjusting display and indicator brightness

When the Home Screen is open, use the **HOME** button and **DATA** dial to adjust the brightness of the display backlight and the indicators.

You can also use the **SYSTEM** menu screen LCD BRIGHTNESS and LED BRIGHTNESS items to adjust them.

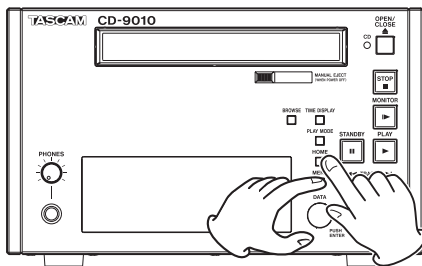
NOTE

- These operations only adjust the brightness and contrast of the display and indicators of this unit. They do not adjust the brightness and contrast of a connected TASCAM RC-9010/RC-9010S remote control (sold separately).
- The display and indicator BRIGHTNESS settings are retained even when the power is turned OFF.

Setting using the controls

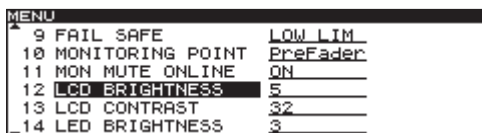
When the Home Screen is open, while pressing and holding the **HOME** button, turn the **DATA** dial to adjust the brightness of the unit's display and indicators.

You can also adjust the brightness of the display alone by pressing and turning the **DATA** dial while pressing and holding the **HOME** button.

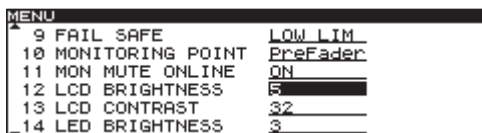


Setting using the menu

1. Press the **MENU** button to open the MENU screen.
2. Open the **SYSTEM** menu.
3. Select **LCD BRIGHTNESS** or **LED BRIGHTNESS**.



4. Press the **DATA** dial to move the cursor (selected area) right to select the value.



5. Turn the **DATA** dial to adjust the brightness.
 - LCD options: 0-7 (default value: 5)
 - LED options: 0-7 (default value: 3)
6. Press the **HOME** button to return to the Home Screen.

Connecting headphones

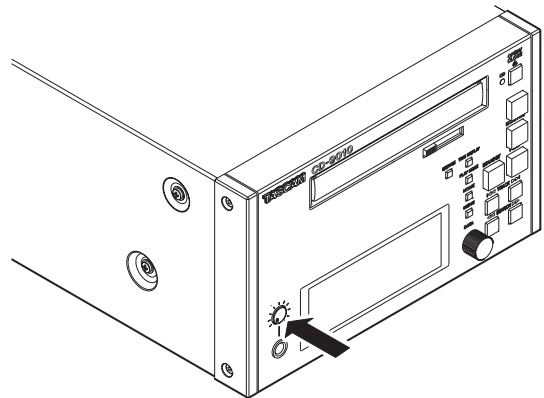
Connect stereo headphones to the **PHONES** jack on the front panel. Use the **PHONES** knob to adjust the headphones output level.

CAUTION

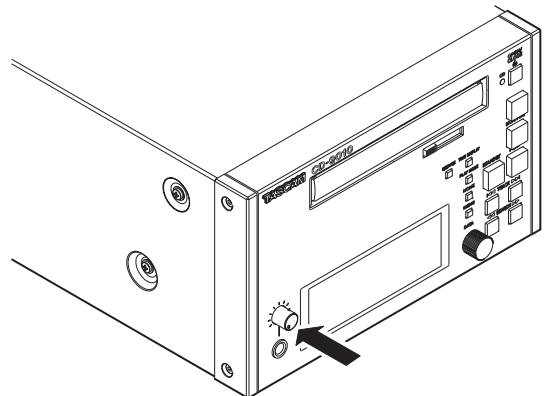
Before connecting headphones, use the **PHONES** knob to lower the volume. Failure to do so might result in sudden loud sounds, which could harm your hearing or result in other trouble.

NOTE

The **PHONES** knob can be pushed in to prevent the level from being accidentally changed. The knob can be used when out.



The **PHONES** knob when pushed in



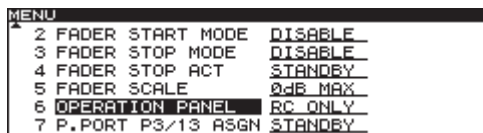
The **PHONES** knob when out

3 – Preparations

Setting the panel lock function

The unit can be set so that it can only be operated using a TASCAM RC-9010/RC-9010S remote control (sold separately).

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **REMOTE** menu screen.
3. Select **OPERATION PANEL**.



4. Press the **DATA** dial to move the cursor (selected area) right to select the setting.
5. Turn the **DATA** dial to set whether or not you can use the front panel controls to control the unit.
 - **CD+RC**: The unit can be controlled using a TASCAM RC-9010/RC-9010S remote control (sold separately) and the unit's front panel buttons.
 - **RC ONLY** (default value): When a TASCAM RC-9010/RC-9010S remote control (sold separately) is connected, the unit's front panel buttons (other than the **OPEN/CLOSE** button) are disabled.
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

- When a remote is not connected, even when this item is set to **RC ONLY**, the panel controls will not lock.
- To unlock the panel, press the **MENU** button, while pressing and holding the **HOME** button. When the "OPERATION PANEL Change to CD+RC?" pop-up message appears, select "Yes" to unlock the panel.
- You can also lock the panel controls by pressing the **MENU** button while pressing and holding the **HOME** button. When the pop-up message appears, select "Yes".
- The panel lock function setting is stored even when the power is turned **OFF**.

Monitoring and online playback

This unit has two playback modes: monitoring playback and online playback. The outputs for the two playback modes can be set to be independent of each other.

For example, you can use the monitoring playback mode for broadcast use and on location to cue tracks and playback points in advance to prepare for online playback from those points.

Monitoring playback

The SYSTEM menu ONLINE FUNCTION item must be set to SWITCH. OK to enable monitoring playback. (See "Setting the online function" on page 29.)

NOTE

- If set as above, pushing the PLAY button will output the playback signal to the monitoring destination.
- If set as above, the playback signal will be output to the monitoring destination when jogging and searching.

Starting monitoring playback

When stopped, in playback standby or during jog playback, press the MONITOR button.

Status of outputs

Output	Status
DIGITAL OUTPUT	Off
LINE OUTPUTS	Off
MONITOR OUTPUTS	On

Online playback

The SYSTEM menu screen ONLINE FUNCTION item must be set to AlwaysON to enable online playback. (See "Setting the online function" on page 29.)

Starting online playback

When in playback standby, monitoring playback or during jog playback, press the PLAY button.

Status of outputs

Output	Status
DIGITAL OUTPUT	On
LINE OUTPUTS	On
MONITOR OUTPUTS	Off

NOTE

Set the SYSTEM menu MON MUTE ONLINE item to OFF to always send the signal through the MONITOR OUTPUTS. (See "Muting monitoring when online" on page 31.)

Setting the playback mode

Tracks on the CD can be played using one of the following three playback modes.

Continuous playback mode (default setting)

- The CONTINUE indicator appears in the playback mode area of the Home Screen.
- The tracks on the CD are played in track number order.

Single playback mode

- The SINGLE indicator appears in the playback mode area of the Home Screen.
- Only the currently selected track is played before playback stops.

Program playback mode

- The PROGRAM indicator appears in the playback mode area of the Home Screen.
- Tracks will be played in the order programmed in advance. (See "Program playback" on page 24.)

The current playback mode appears in the playback mode area of the Home Screen.

Use the PLAY MODE button to set the playback mode.

Press this button to cycle through the playback modes in the following order.

→ CONTINUE mode → SINGLE mode → PROGRAM mode →

NOTE

- In this manual, unless otherwise specified, explanations assume that the playback mode is set to CONTINUE (continuous playback mode).
- The playback mode setting is retained even when the power is turned OFF.

4 – Playback

Playing a track once from the beginning

Follow these steps to select and check the desired track (monitoring playback), and then play it through the main outputs (online playback). These procedures assume that all menu items are at their default settings.

1. Press the **PLAY MODE** button to select single mode.
 - Press the **PLAY MODE** button as many times as necessary until the **SINGLE** playback mode indicator appears on the Home Screen.
2. Press the **MENU** button to open the **MENU** screen, and set **AUTO CUE** in the **PLAY** menu to **ON**.
3. Press the **HOME** button to open the Home Screen.
4. Use the **TRACK** |◀◀/▶▶| buttons to select a track for playback.
 - The unit enters playback standby at the position where an audio signal is detected in the selected track (and the **STANDBY** button lights).

NOTE

When the playback mode is set to **CONTINUE** or **SINGLE**, you can use the number buttons (0 through 9) to select tracks. Enter two digits for audio CDs or three digits for data CDs. (For example, press the 0 button followed by the 2 button to select track 2 on an audio CD.)

5. To check the playback signal, press the **MONITOR** button to start monitoring playback (the **MONITOR** button lights).
 - In addition to using an external monitoring system, you can also monitor the playback signal using headphones connected to the unit's **PHONES** jack.
6. After checking the signal, press the **STANDBY** button.
 - The playback position is set to the point where the track starts and the unit enters playback standby mode (the **STANDBY** button lights).
7. Press the **PLAY** button to start online playback.
 - When the track ends, the unit re-enters playback standby.
 - Press the **STOP** button to stop playback immediately.

Playing a track from the middle

Follow these steps to find a point in the middle of a track and start playback from the main outputs from that point.

1. When stopped or during playback standby, you can search within a track using the **SEARCH** ◀◀/▶▶ buttons to locate a desired point and put the unit in playback standby there. (See "Searching within tracks" on page 19.)
2. At the desired playback point, press the **MONITOR** button to start monitoring playback and check it.
3. After checking, press the **STANDBY** button to return to the point set earlier and start online playback standby (**STANDBY** button lights).
 - To adjust the set point, return to step 1.
4. Press the **PLAY** button to start online playback.
When the track ends, the unit will enter playback standby mode.

NOTE

Press the **STOP** button to stop playback immediately.

Automatic cue point memory (last cue)

When you start monitoring playback from a stopped or playback standby state, the starting position is automatically memorized as a cue point.

The most recently added cue point is the "last cue point". Press the **STANDBY** button to locate to the last cue point (where monitoring playback last started) and enter playback standby.

NOTE

- When using a **TASCAM RC-9010/RC-9010S** remote control (sold separately), you can assign automatic cue points to the number (0–9) buttons.
- In jog mode, pressing the **STANDBY** button saves the current position as a cue point.

Setting the playback point

Selecting tracks

Use the **TRACK** **◀◀/▶▶** buttons to select tracks.

◀◀ button

Press to move to the start of the current track when the elapsed time of the current track is greater than one second. When the elapsed time is less than one second, press this to skip to the beginning of the previous track.

▶▶ button

Press to skip to the beginning of the next track. Press again to skip to the beginning of the track after that.

NOTE

- *When in program playback mode, tracks will be skipped in the program order.*
- *When at the beginning of the first track, press the ◀◀ button to skip to the beginning of the last track. When at the beginning of the last track, press the ▶▶ button to skip to the beginning of the first track.*

Operation after selection of a track

When the **TRACK** **◀◀/▶▶** buttons are used to select a track, what happens next depends on the unit's status and auto cue function setting. (See "Auto cue function" on page 19.)

When Auto Cue is ON

The unit enters playback standby at the first position within the track where the signal reaches the level set using the **PLAY** menu **AUTO CUE LEVEL** item.

When Auto Cue is OFF

The unit enters playback standby at the beginning of the track.

Searching within tracks

When playback is stopped, the unit is in playback standby, or during monitoring or jog playback, press and hold the **SEARCH** **◀◀/▶▶** buttons to search for a cue point.

While pressing one of the **SEARCH** **▶▶** or **◀◀** buttons to search within a track, you can change the search speed by pressing the other **SEARCH** **◀◀/▶▶** button.

Auto cue function

If the auto cue function is ON, and you select a track for playback, any "silence" at the beginning of the track will be skipped, and the unit will enter playback standby at the first point where the track's "signal" is audible. As a result, sound will be heard immediately when playback starts.

NOTE

- *When using the cue function, the Auto Cue function is disabled.*
- *If a track is selected when AUTO CUE is ON, the unit enters playback standby at the first point where the track is audible.*
- *The AUTO CUE function setting is retained even when the power is turned OFF.*

You can specify the threshold level (**AUTO CUE LEVEL**) used to detect the audio signal when the Auto Cue function is activated. In other words, any signal higher than the **AUTO CUE LEVEL** will be treated as "signal," and any signal lower than this level will be treated as "silence."

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu.
3. Select **AUTO CUE**.

MENU		
1	AUTO CUE	OFF
2	AUTO CUE LEVEL	-24 dB
3	AUTO READY	OFF
4	INCREMENTAL PLAY	OFF
5	ONLINE BACK CUE	OFF
6	PLAY KEY FUNCTION	NORMAL

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the value to **ON** (default is **OFF**).
6. Press the **DATA** dial to move the cursor to the left, and return to menu item selection.
7. Select **AUTO CUE LEVEL**.

MENU		
1	AUTO CUE	OFF
2	AUTO CUE LEVEL	-24 dB
3	AUTO READY	OFF
4	INCREMENTAL PLAY	OFF
5	ONLINE BACK CUE	OFF
6	PLAY KEY FUNCTION	NORMAL

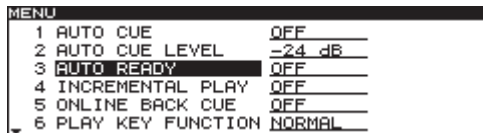
8. Press the **DATA** dial to move the cursor right to select the setting.
9. Turn the **DATA** dial to set the desired auto cue level.
 - Values: -24 dB to -72 dB (6 dB steps, default -24 dB)
10. After setting the value, press the **HOME** button to return to the Home Screen.

4 – Playback

Auto ready function

If the auto ready function is ON, when a track finishes playing, playback standby will occur at the beginning of the next track.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **AUTO READY**.



3. Press the **DATA** dial to move the cursor right to select the setting.
4. Turn the **DATA** dial to set the value to **ON** (default is **OFF**).
5. After setting the value, press the **HOME** button to return to the Home Screen.

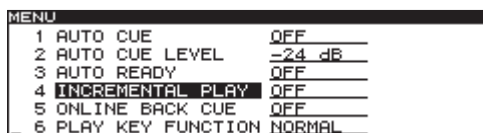
NOTE

- If the auto cue function is set to ON, the unit enters playback standby at the point where sound starts in the next track rather than at the very beginning of the track.
- The auto ready function setting is retained even when the power is turned OFF.

Incremental playback function

When the incremental playback function is ON, and the unit is playing back, you can use the **PLAY** button to start playback from the beginning of the next track or the **STOP** button to enter playback standby at the beginning of the next track.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **INCREMENTAL PLAY**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the value to **ON** (default is **OFF**).
6. After setting the value, press the **HOME** button to return to the Home Screen.

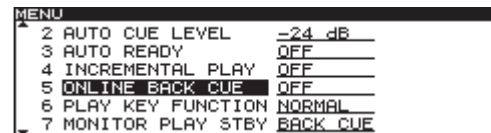
NOTE

- When the incremental playback function is set to ON and the unit is in playback standby mode, pressing the **PLAY** button will start playback from that position. In playback standby, pressing the **STOP** button will stop playback.
- When the last track of the CD is being played, pressing **PLAY** starts playback of the first track on the CD. Pressing **STOP** pauses at the beginning of the first track on the CD.
- The incremental playback function setting is retained even when the power is turned OFF.

ONLINE BACK CUE function

If this function is on, when the **ON LINE** button is turned OFF on a connected TASCAM RC-9010/RC-9010S remote control (sold separately), the unit immediately enters playback standby at the last cue point (the last point where monitoring playback started).

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen
3. Select **ONLINE BACK CUE**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the value to **ON** (default is **OFF**).
6. After setting the value, press the **HOME** button to return to the Home Screen.

NOTE

The **ONLINE BACK CUE** function setting is retained even when the power is turned OFF.

PLAY KEY FUNCTION setting

When the **ON LINE** button is turned OFF on a connected TASCAM RC-9010/RC-9010S remote control (sold separately), the **PLAY** button operates as described below.

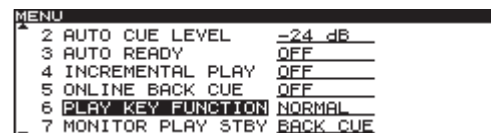
When set to Normal

Pressing the **PLAY** button during playback has no effect. If **INCREMENTAL PLAY** is set to **ON**, however, pressing the **PLAY** button during playback allows incremental playback.

When set to Back Cue

If the incremental play function is **OFF**, pressing the **PLAY** button skips to the last cue point and continues playback. Pressing the **PLAY** button in this case activates monitoring playback (monitoring outputs ON, line outputs OFF).

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **PLAY KEY FUNCTION**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the function when online playback mode is **OFF** (default is **OFF**).
Values are **NORMAL** (default value) and **BACK CUE**.
6. After setting the value, press the **HOME** button to return to the Home Screen.

NOTES

- Similar operation is possible using the **MONITOR** button.
- The **PLAY KEY FUNCTION** setting is retained even when the power is turned OFF.

MONITOR PLAY STBY function

You can set how the **STANDBY** button functions during monitoring playback.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen
3. Select **MONITOR PLAY STBY**.

MENU	
4	INCREMENTAL PLAY OFF
5	ONLINE BACK CUE OFF
6	PLAY KEY FUNCTION NORMAL
7	MONITOR PLAY STBY BACK_CUE
8	ONLINE PLAY STBY NORMAL
9	REPEAT OFF

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the **STANDBY** button function during monitoring playback.
 - **NORMAL**: Start playback standby at that point
 - **BACK CUE** (default value): Pause and enter playback standby mode at the last cue point
6. After setting the value, press the **HOME** button to return to the Home Screen.

NOTE

The **MONITOR PLAY STBY** setting is retained even when the power is turned OFF.

ONLINE PLAY STBY function

You can set how the **STANDBY** button functions during online playback.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen
3. Select **ONLINE PLAY STBY**.

MENU	
5	ONLINE BACK CUE OFF
6	PLAY KEY FUNCTION NORMAL
7	MONITOR PLAY STBY BACK_CUE
8	ONLINE PLAY STBY NORMAL
9	REPEAT OFF
10	EOM OFF

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the function of the **STANDBY** button during online playback
 - **NORMAL** (default value): If the playback mode is **CONTINUE** or **SINGLE**, start playback standby at that point. If the playback mode is **PROGRAM**, start playback standby at the beginning of the next track.
 - **BACK CUE**: Pause and start playback standby at the last cue point.
6. After setting the value, press the **HOME** button to return to the Home Screen.

NOTE

The **ONLINE PLAY STBY** setting is retained even when the power is turned OFF.

Repeat playback

You can repeatedly play back all tracks on the CD.

Ordinary repeat playback

When the repeat playback function is ON, depending on the current playback mode, the following will occur:

- **CONTINUE**: the entire disc is played back repeatedly
- **SINGLE**: the current track is played back repeatedly
- **PROGRAM**: the entire program is played back repeatedly

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **REPEAT**.

MENU	
7	MONITOR PLAY STBY BACK_CUE
8	ONLINE PLAY STBY NORMAL
9	REPEAT OFF
10	EOM OFF
11	END CHECK 5s
12	PITCH OFF

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the value to **ON** (default is OFF).
6. After completing the setting, press the **HOME** button to return to the Home Screen.

To turn repeat playback OFF

- Set the **PLAY** menu **REPEAT** item to OFF.

NOTE

The **repeat playback** setting is retained even when the power is turned OFF.

4 – Playback

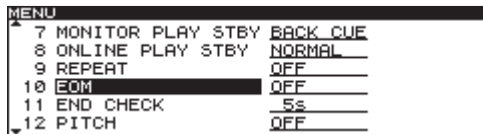
EOM functions

You can set the unit to output EOM tally signals from the **CONTROL I/O PARALLEL** connector when the remaining time on the track is less than the time set here using the EOM function.

Setting EOM tally output trigger

Set the track remaining time that triggers output of an EOM tally signal.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **EOM**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the track remaining time to trigger the EOM tally.
 - Options: **OFF** (default value), **0s**, **5s–35s** (in 5-second increments)

NOTE

If **EOM TRACK** is set to **0s**, when the track ends, a pulse of about 100 ms will be output.

5. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The **EOM** function setting is retained even when the power is turned **OFF**.

How to use the EOM

1. Connect the device that will receive the EOM tally signal to the **REMOTE (PARALLEL)** connector.
2. Turn **ON** the power of this unit and the receiving device.
3. Begin playback from this unit.
 - When the remaining time of the current track falls below the specified time, an EOM tally signal is output from the **REMOTE (PARALLEL)** connector.

While the EOM tally signal is being output, the ":" in the Home Screen track time display (main display area) blinks.

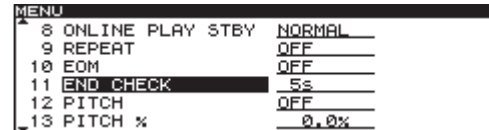
Checking the ends of tracks

To check how tracks end, turn the **END CHECK** function **ON**.

Setting the amount of time checked

Set the time before the end of the track when checking starts.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **END CHECK**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the time before the end of the track that checking starts.
 - Options: **5** (default value) –**35** (in 5 second increments)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The **END CHECK** function setting is retained even when the power is turned **OFF**.

How to use the end check function

When using a TASCAM RC-9010/RC-9010S remote control (sold separately), press the **TRACK/[END CHK]** button while pressing and holding the **SHIFT** button to locate to a point at the set number of seconds before the end of the currently selected track and start monitoring playback.

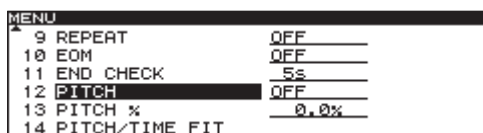
After playback of the last part of the track completes, the unit enters playback standby mode at the last cue point.

Pitch control playback

You can modify the pitch and speed of the playback, following the procedures here.

Turning pitch control playback ON/OFF

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **PITCH**.



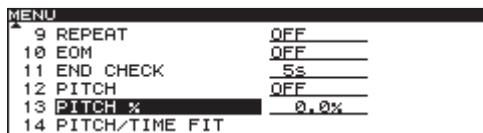
4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set pitch control **ON** or **OFF** (default is **OFF**).
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

When you turn pitch control playback **ON** or **OFF** during playback, the playback sound may be momentarily interrupted.

Setting the pitch control value

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **PITCH %**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the pitch control value.
 - You can set the pitch control to $\pm 12.5\%$ of normal.
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

- Even when the pitch control function is turned **OFF**, the pitch control value set above is stored and will be used when the pitch control function is turned **ON** again.
- The pitch step setting is retained even when the power is turned **OFF**.

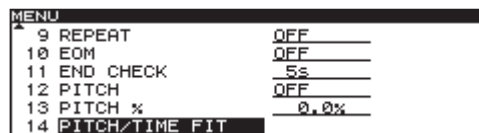
PITCH/TIME FIT function

You can adjust the time remaining of the current track to a defined value and play it back.

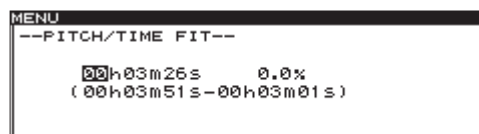
The possible setting range corresponds to a pitch control value range of $\pm 12.5\%$.

This setting can be made when stopped or in playback standby.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PLAY** menu screen.
3. Select **PITCH/TIME FIT**.



4. Press the **DATA** dial to open the **PITCH/TIME FIT** screen.



5. Set the playback time as follows:
 - The current track remaining time is shown initially.
 - Turn the **DATA** dial to change the selected item.
 - Press the **DATA** dial to select the playback time units in hours, minutes and seconds order. The permissible range (maximum and minimum) is shown beneath the input line.
6. After completing the setting, press the **DATA** dial to confirm the setting.

The setting is saved and reflected in the pitch control value, and the **PLAY** menu screen re-opens.
7. Press the **HOME** button to return to the Home Screen.

5 – Program and cue playback

Program playback

You can create a program in advance to play up to 99 tracks you want in the desired order.

Program menu operation

Select PROGRAM EDIT and press the DATA dial to open the PROGRAM screen (program list). Select the desired item, and press the DATA dial to open the PROGRAM MENU pop-up with the following options.

ADD PROGRAM

Adds the highlighted track to the program.

DELETE ALL PROGRAM

Removes all tracks from the program.

DELETE PROGRAM

Removes the selected program track.

MOVE

Move the selected program track to a different position in the program order.

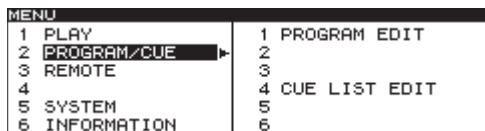
CANCEL

Close the PROGRAM MENU without conducting any operation and return to the PROGRAM screen.

Adding tracks to a program

Follow these procedures to set up a program.

1. With playback stopped, press the PLAY MODE button and set the playback mode to PROGRAM (See "Setting the playback mode" on page 17.)
2. Press the MENU button to open the MENU screen.
3. Open the PROGRAM/CUE menu.



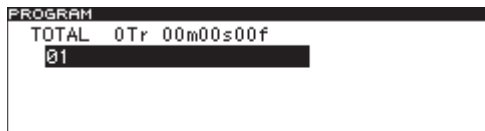
4. Select PROGRAM EDIT.



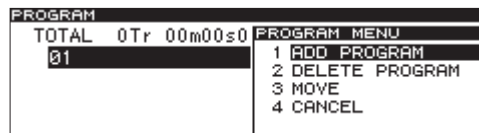
5. Press the DATA dial to open the PROGRAM screen.



6. Turn the DATA dial to select the number in the program where a track will be added, and press the DATA dial to open the PROGRAM menu.



7. Turn the DATA dial to select ADD PROGRAM.



8. Press the DATA dial to open the BROWSE (ADD PROGRAM) screen.

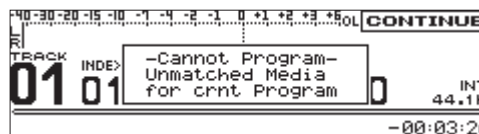


9. Turn the DATA dial to program to select a track, and press the DATA dial to add the track to the program.
10. Repeat steps 6–9 to add more tracks to the program as desired.

The screen shows the number of tracks in the program and the total program time.

NOTES

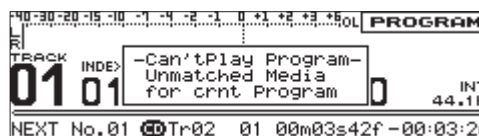
- You can add the same track to the program more than once.
- You can add a maximum of 99 tracks to a program. If you try to program a 100th track, a PROGRAM FULL warning message pop-up appears.
- If the total time of the programmed tracks exceeds 99 hours 59 minutes, 59 seconds, "--:--:--" appears on the display.
- A program can only include tracks from one CD. After tracks have been added to a program from one CD, if you try to add a track using a different CD, a "-Cannot Program-" message will appear and the track will not be added.



11. When you have finished entering tracks to the program, press the HOME button to return to the Home Screen.
12. Press the MONITOR button or PLAY button to start program playback.

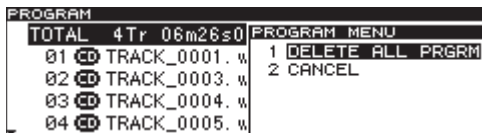
NOTES

- If you set PROGRAM playback mode but no tracks have been added to the program, the setting will change to CONTINUE when playback starts.
- Program settings are retained even when the power is turned OFF.
- If you try to start program playback when a CD that is different from the one used by the program, a "-Can't Play Program-" message will appear and playback will not start.



Clearing a program

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen
3. Select **PROGRAM EDIT**.
4. Press the **DATA** dial to open the **PROGRAM** screen.
5. Turn the **DATA** dial to select **TOTAL**.
6. Press the **DATA** dial to open the **PROGRAM** menu.
7. Turn the **DATA** dial to select **DELETE ALL PRGRM**.



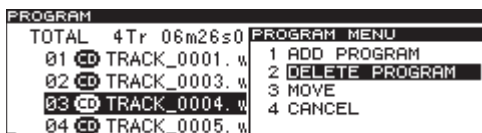
8. Press the **DATA** dial to clear the entire program. When the program has been cleared, the **PROGRAM** screen reopens and **TOTAL 0Tr 00m00s00f** appears.



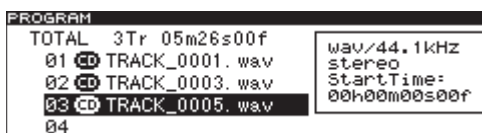
9. Press the **HOME** button to return to the Home Screen.

Removing tracks from a program

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen
3. Select **PROGRAM EDIT**.
4. Press the **DATA** dial to open the **PROGRAM** screen.
5. Turn the **DATA** dial to select the track you want to remove.
6. Press the **DATA** dial to open the **PROGRAM** menu.
7. Turn the **DATA** dial to select **DELETE PROGRAM**.



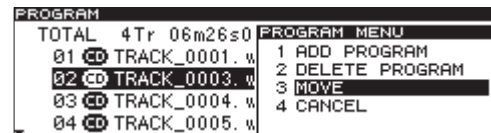
8. Press the **DATA** dial to remove the selected track. After the track is removed, the **PROGRAM** screen reopens.



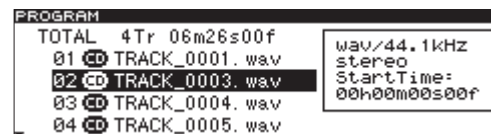
9. Press the **HOME** button to return to the Home Screen.

Moving tracks within a program

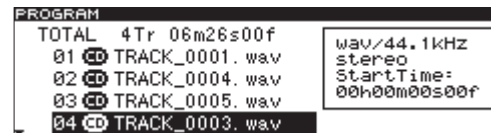
1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen
3. Select **PROGRAM EDIT**.
4. Press the **DATA** dial to open the **PROGRAM** screen.
5. Turn the **DATA** dial to select the track to move
6. Press the **DATA** dial to open the **PROGRAM** menu.
7. Turn the **DATA** dial to select **MOVE**.



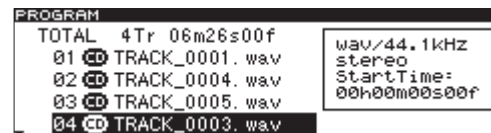
8. Press the **DATA** dial. The track to be moved blinks.



9. Turn the **DATA** dial to move the track to the desired position.



10. Press the **DATA** dial to confirm the new position. When the track move is confirmed, the **PROGRAM** screen reopens.



11. Press the **HOME** button to return to the Home Screen.

5 – Program and cue playback

Cue point playback

You can locate to and play back from cue points you have set earlier. You can set up to nine cue points for each CD and save cue points for up to 500 discs.

Using the cue menu

Select **CUE LIST EDIT** and press the **DATA** dial to open the **CUE** screen (cue list). Select the desired item, and press the **DATA** dial to open the **CUE MENU** pop-up.

ADD CUE

Add a cue point at the current playback position.

DELETE ALL CUE

Clear all cue points from the cue list.

DELETE CUE

Clear the selected cue point.

EDIT CUE TITLE

Open the **EDIT CUE TITLE** screen where you can edit the name of the selected cue point. (See "Editing cue point names" on page 27.)

CANCEL

Close the **CUE** menu without performing any operation, and return to the **CUE** screen.

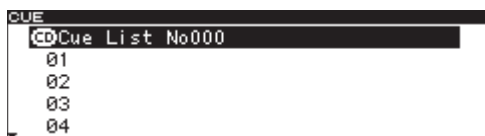
Adding cue points

Follow these procedures to add cue points.

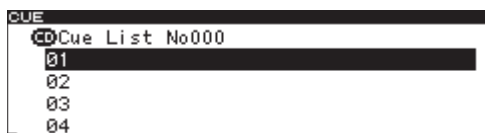
1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen and select **CUE LIST EDIT**.



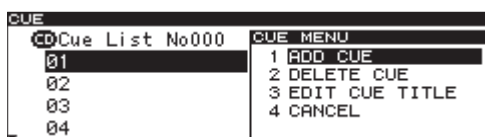
3. Press the **DATA** dial to open the **CUE** list screen.



4. Turn the **DATA** dial to select the cue point number to add.
5. Press the **DATA** dial to open the **CUE** menu.



6. Turn the **DATA** dial to select **ADD CUE**.



7. Press the **DATA** dial to add the cue point. The current time of the track being played back (or in standby) will be added as a cue point to the cue list.

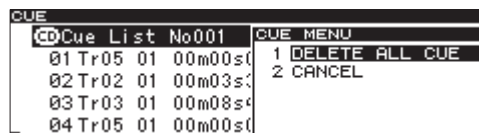
8. Repeat steps 5–7 to add cue points as desired. The screen shows the track numbers and cue points.
9. When you are done adding cue point, press the **HOME** button to return to the Home Screen.

NOTE

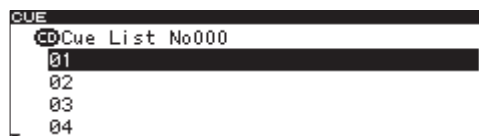
CUE settings are retained even when the power is OFF.

Clearing the cue list

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen and select **CUE LIST EDIT**.
3. Press the **DATA** dial to open the **CUE** screen.
4. Turn the **DATA** dial to select **Cue List**.
5. Press the **DATA** dial to open the **CUE** menu.
6. Turn the **DATA** dial to select **DELETE ALL CUE**.



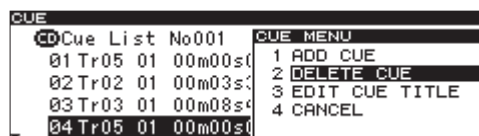
7. Press the **DATA** dial to clear all cue points in the cue list. After the cue points have been cleared, the **CUE** list screen reopens.



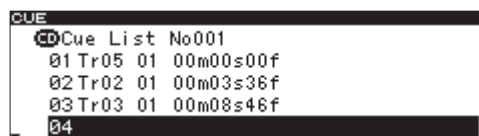
8. Press the **HOME** button to return to the Home Screen.

Clearing a cue point

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen and select **CUE LIST EDIT**.
3. Press the **DATA** dial to open the **CUE** list screen.
4. Turn the **DATA** dial to select the cue point to be cleared.
5. Press the **DATA** dial to open the **CUE** menu.
6. Turn the **DATA** dial to select **DELETE CUE**.



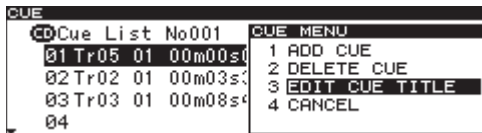
7. Press the **DATA** dial to clear the highlighted cue point. After the cue point has been cleared, the **CUE** list screen reopens.



8. Press the **HOME** button to return to the Home Screen.

Editing cue point names

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen
3. Select **CUE LIST EDIT**.
4. Press the **DATA** dial to open the **CUE** screen.
5. Turn the **DATA** dial to select the cue point with the name to be edited, and press the **DATA** dial to open the **CUE** menu.
6. Turn the **DATA** dial to select **EDIT CUE TITLE**.



7. Press the **DATA** dial to open the **EDIT CUE TITLE** screen.



8. Edit the cue point name. See "Editing text" below for instructions
9. When you are done editing the name, press the **BROWSE** button to confirm the name change and return to the **CUE** list screen.

NOTE

- Names containing characters other than the letters of the alphabet, numbers and symbols cannot be edited.
- The following symbols and punctuation marks cannot be used in names.
¥/:;,*?"<>|
- Cue point names can be up to six single-byte characters in length.

Editing text

Edit text using the following operations.

To move the editing (cursor) position

Use the **SEARCH** <</>> buttons.

To change the character at the cursor position

Turn the **DATA** dial.

To confirm the character at the cursor position

Press the **DATA** dial.

To insert an empty space

Press the **TRACK** >>> button.

To delete a character

Press the **TRACK** <<< button.

To confirm and end editing

Press the **BROWSE** button.

Automatic cue point loading options

Usually when a disc for which cue points have already been saved is loaded, the previous cue points are automatically loaded. Sometimes, though, you might not want to use the memorized cue points.

You can set whether or not memorized cue points are automatically loaded.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **PROGRAM/CUE** menu screen.
3. Select **CUE POINT LOAD**.

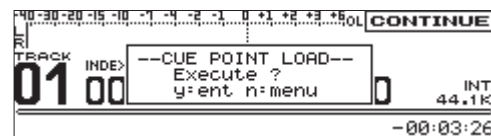


4. Press the **DATA** dial to move the cursor to the right and select the setting.



5. Turn the **DATA** dial to change the setting for memorized cue point loading.
 - **LOAD** (default): Automatically load previously memorized cue points
 - **UNLOAD**: Do not load memorized cue points
 - **SELECT**: Every time the power is turned ON, a pop-up menu appears that lets you decide whether or not to load cue points. The setting you select stays active until the power is turned OFF again.

Pop-up that appears when set to **SELECT**



6. Press the **DATA** dial again to set the cue list load setting, and return to the **PROGRAM/CUE** menu screen.
7. Press the **HOME** button to return to the Home Screen.

NOTE

When set to **UNLOAD** (or when set to **SELECT** and you chose not to load cue points), the unit will function as follows.

- New cue points that are added will not be saved.
- When the active device is changed, all cue points will be cleared.
- When the setting is changed from **UNLOAD** to **LOAD** (and vice versa), the change will become effective the next time the unit is turned ON again. (The cue list will not be loaded immediately when set to **LOAD**.)
- When set to **UNLOAD**, exporting the cue points will not export the recently added ones. (It will export the points added when last set to **LOAD**.)

6 – Working with files and folders

Using the **BROWSE** screen, you can work with WAV files on a data CD in a folder structure. You can select folders and files, and then enter folders and work with files.

NOTE

You cannot use this screen with unfinalized data CDs containing WAV files.

Opening the BROWSE screen

The following operations assume that a data CD containing WAV files is loaded.

When stopped, in playback standby or playing back, press the **BROWSE** button to open the **BROWSE** screen.



When in playback standby, the **BROWSE** screen for the folder containing the currently selected file opens and that file is highlighted.

Navigating the BROWSE screen

When the **BROWSE** screen is open, use the **DATA** dial to select folders and files.

- Press the **DATA** dial to open the **BROWSE MENU** pop-up for that file or folder. (See “Folder operations” on page 28.)
- When the **BROWSE** menu is open, press the **BROWSE** button to close the **BROWSE** menu.
- When a folder or file is selected, press the **BROWSE** button to scroll through folder and file names.
- When the **BROWSE** screen is open, press the **HOME** button to return to the Home Screen.
- When a file or folder is selected, press the **PLAY** button to return to the Home Screen and play that file or folder.
- When a file or folder is selected, press the **STANDBY** button to return to the Home Screen and put that file or folder into playback standby.

Icons on the BROWSE screen

The icons that appear on the **BROWSE** screen have the following meanings.

Folder (📁)

Folders are shown with this icon.

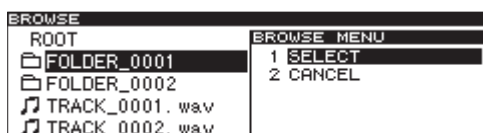
Audio file (🎵)

The names of music files appear next to these icons.

Track titles are shown when CD-TEXT is available.

Folder operations

Select the desired folder on the **BROWSE** screen, and press the **DATA** dial to open the folder **BROWSE MENU** pop-up.



Turn the **DATA** dial to select the desired item, and press the **DATA** dial to execute one of the following operations.

SELECT

Opens the selected folder.

CANCEL

Cancels any operation with the selected folder, closes the **BROWSE MENU** and returns to the **BROWSE** screen.

File and folders on data CDs

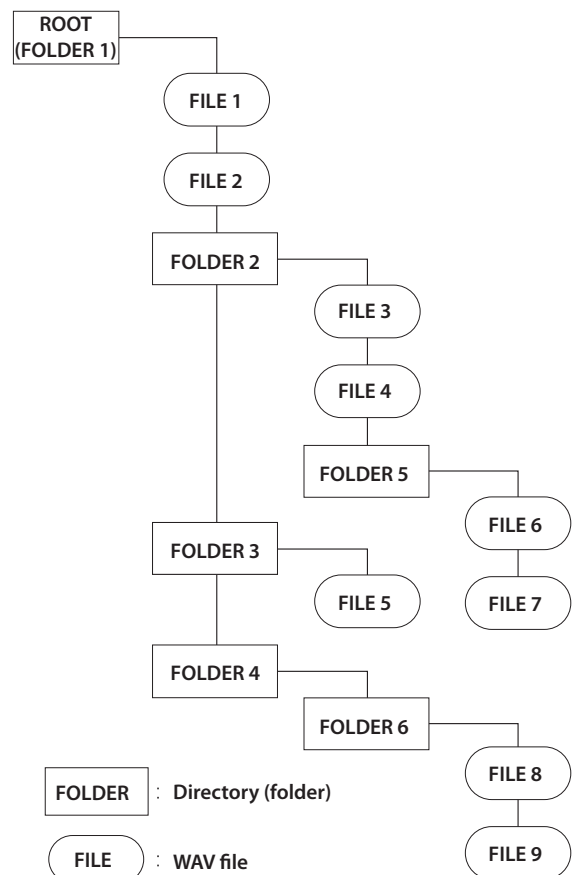
Some data CDs store files inside folders in the same way that ordinary computers do. In addition, several folders can be stored inside another folder, creating a multilevel structure.

This unit assigns a folder number to each folder to manage them. Folder numbers are assigned sequentially starting with the folders at the highest level followed by the folders (subfolders) inside them.

If the root folder of a data CD contains one or more audio files, it will be numbered as the first folder.

Each audio file is also assigned a number. File numbers are assigned in order starting from those in the lowest numbered folder.

During ordinary playback of data CDs, tracks are played back in the assigned numerical order just like those on audio CDs.



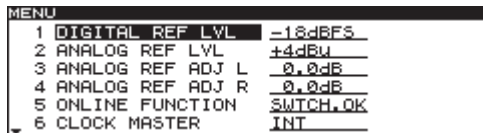
Data CD structure

7 – Other settings and information display

Setting the digital reference level

You can set the digital headroom (number of dB below maximum analog output reference level (full scale)).

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **DIGITAL REF LVL**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the digital reference level.
 - Options: -20dBFS, -18dBFS (default value), -16dBFS, -14dBFS, -9dBFS
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

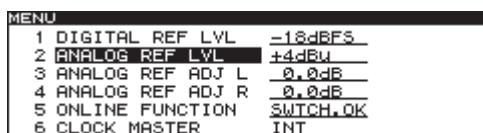
- The digital reference level setting is retained even when the power is turned OFF.
- This setting only applies to the line outputs.

Setting the analog reference level

You can set the analog output reference level.

The analog audio output reference level settings that are possible depend on the digital reference level setting.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **ANALOG REF LVL**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the analog reference level. The analog reference setting value options depend on the **DIGITAL REF LVL** setting.

DIGITAL REF LVL setting	ANALOG REF LVL setting
-9dBFS	+6dBu only
Settings other than -9dBFS	-20dBu, +4dBu (default value)

6. After completing the setting, press the **HOME** button to return to the Home Screen.

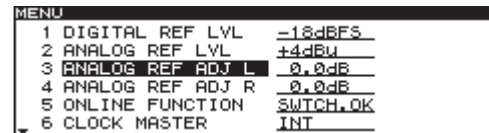
NOTE

- This setting only applies to the line outputs.
- This analog reference level setting is retained even when the power is turned OFF.

Adjusting R/L analog reference levels

You can adjust the analog output reference level separately for the left and right channels.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu
3. Select **ANALOG REF ADJ L** or **ANALOG REF ADJ R**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to adjust the analog reference level.
 - Setting range: ± 6.0 dB (default value: 0dB, 0.1dB increments)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

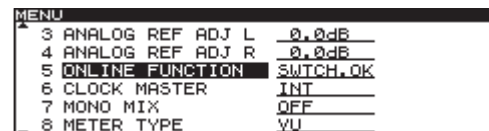
NOTE

- The analog reference level settings are retained even when the power is turned OFF.
- This setting only applies to the line outputs.

Setting the online function

You can set whether or not to use the online function.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **ONLINE FUNCTION**.



3. Press the **DATA** dial to move the cursor right to select the setting.
4. Turn the **DATA** dial to set the online function.
 - **SWITCH_OK** (default value): Online playback mode can be controlled through the parallel remote connector, the serial remote connector, and by a TASCAM RC-9010/RC-9010S remote controller (sold separately). When this unit is used alone, online playback mode is ON by default.
 - **Always ON**: Online playback mode is always ON and cannot be switched.
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

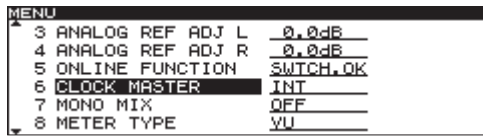
The online function setting is retained even when the power is turned OFF.

7 – Other settings and information display

Setting the master word clock

You can set the source to use for word synchronization.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **CLOCK MASTER**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the master word clock.
 - **INT** (default value): Use the unit's internal clock
 - **EXT**: Synchronize with the word clock input through the **WORD SYNC IN** connector
 - **44.1K FIX**: Regardless of the file sampling frequency, digital audio is always output at 44.1k FS.
6. After completing the setting, press the **HOME** button to return to the Home Screen.

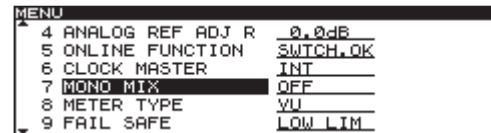
NOTE

- The master clock setting is retained even when the power is turned OFF.
- Depending on the combination of master clock and playback file sampling frequency settings, the digital output sampling frequency will differ. (See "Master clock and digital output combinations" below.)

Mono mix setting

You can set the mono mix output for when the **STEREO/MONO** button is used to set the output to mono. The setting state is shown to the left of the level meters.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **MONO MIX**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the mono mix.

-6dB L+R	The left and right channels of the stereo audio track are each attenuated by -6 dB, summed and then output.
-3dB L+R	The left and right channels of the stereo audio track are each attenuated by -3 dB, summed and then output.
L Mono	The left channel of the stereo audio track is output from both L and R outputs.
R Mono	The right channel of the stereo audio track is output from both L and R outputs.
OFF (default value)	The mono mix function is OFF.

6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The mono mix setting is retained even when the power is turned OFF.

Master clock and digital output combinations

Depending on the combination of the master clock setting and the playback file sampling frequency, the digital output sampling frequency varies. This table shows the combinations.

Master clock	Master clock setting	Playback file sampling frequency	SRC (automatic)	Digital output sampling frequency	Notes
Internal	INT	44.1 kHz	OFF	44.1 kHz	The whole system uses 44.1kHz internal clock
	44.1kHz FIX	44.1 kHz	OFF	44.1 kHz	Digital output is always 44.1 kHz
	44.1kHz FIX	48 kHz	ON	44.1 kHz	Digital output is always 44.1 kHz
	INT	48 kHz	OFF	48 kHz	The whole system uses 48kHz internal clock
External (44.1kHz)	EXT	44.1 kHz	OFF	44.1 kHz	The whole system uses 44.1kHz external clock
External (48kHz)	EXT	44.1 kHz	ON	48 kHz	While syncing to 48kHz external clock, the system uses 44.1kHz internal clock
	EXT	48 kHz	OFF	48 kHz	The whole system uses 48kHz external clock

NOTE

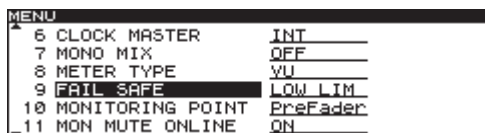
- The sampling rate converter (SRC) function is turned ON and OFF automatically.
- If the clock is interrupted when synchronized with a 48kHz external clock, the unit will switch to internal clock, the sampling rate converter (SRC) function will turn ON and output will continue at 48 kHz.

7 – Other settings and information display

Fail safe function setting

The fail safe function prevents the accidental operation of buttons. Different buttons are disabled during playback and online playback. See the table below for details

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **FAIL SAFE**.



4. Press the **DATA** dial to move the cursor (selected area) right to select the setting.
5. Turn the **DATA** dial to set the fail safe function.
Options: **LOW LIM** (default value), **UP LIM**, **OFF**
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The fail safe setting is retained even when the power is turned OFF.

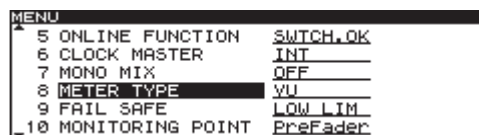
Buttons disabled according to fail safe setting

Fail safe setting	Disabled buttons during playback standby	Disabled buttons during online playback
LOW LIM	None	BROWSE button
		PLAY MODE button
		MENU button
		ENTER button
		OPEN/CLOSE button
		TRACK I◀◀/▶▶ buttons
		SEARCH ◀◀/▶▶ buttons
UP LIM	BROWSE button	BROWSE button
	---	PLAY MODE button
	MENU button	MENU button
	ENTER button	ENTER button
	OPEN/CLOSE button	OPEN/CLOSE button
	---	STANDBY button
	TRACK I◀◀/▶▶ buttons	TRACK I◀◀/▶▶ buttons
SEARCH ◀◀/▶▶ buttons	SEARCH ◀◀/▶▶ buttons	
---	MONITOR button	
OFF	None	None

Setting the level meter display type

You can change the type of the playback level meters on the Home Screen.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **METER TYPE**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the type of level meters shown.
 - **PEAK**: Peak meters shown
 - **VU** (default value): VU meters shown.
6. After completing the setting, press the **HOME** button to return to the Home Screen.

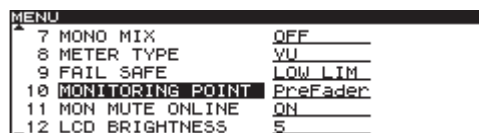
NOTE

The level meter type setting is retained even when the power is turned OFF.

Monitoring point setting

You can set whether the monitoring output signal is from before or after the Online fader.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **MONITORING POINT**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the monitoring point.
 - **PreFader** (default value): Monitor the signal before the Online fader
 - **PostFader**: Monitor the signal after the Online fader
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

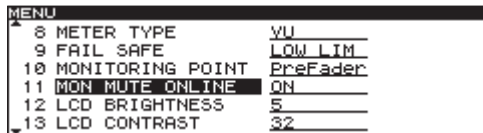
The monitoring point setting is retained even when the power is turned OFF.

Muting monitoring when online

You can set whether or not monitoring output is automatically muted during online playback.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **MON MUTE ONLINE**.

7 – Other settings and information display



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set whether monitoring output muting during online playback is ON or OFF.
 - Options: OFF, ON (default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The monitor mute online setting is retained even when the power is turned OFF.

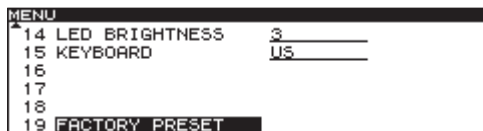
Restoring the factory settings

You can restore all the settings that are stored in the unit's backup memory to the values when shipped from the factory. Follow these steps to restore the settings.

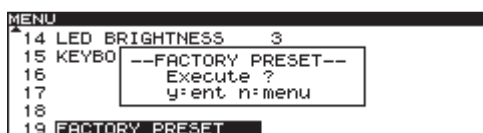
NOTE

The factory settings cannot be restored if a CD is loaded. Remove the CD and conduct the operation again.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **FACTORY PRESET**.



4. Press the **DATA** dial to open a confirmation pop-up message.



5. Press the **DATA** dial again to restore all settings to their factory defaults. **COMPLETE** appears as a pop-up message when done and the Home Screen automatically reopens.

Setting the digital output format

You can set the signal format used for digital output. Follow these steps to make the setting.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **SYSTEM** menu.
3. Select **DIGITAL OUTPUT TYPE**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the digital output format.
 - Options: PRO (default value), CONSUMER

The digital output format setting is retained even when the power is turned OFF.

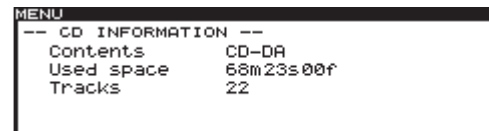
Viewing media information

You can view information about the CD. Follow these steps to access this information.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **INFORMATION** menu screen.
3. Select **MEDIA INFO**.



4. Press the **DATA** dial to show information about the CD, including its used space and amount of free space.



5. When you are finished checking, press the **HOME** button to return to the Home Screen.

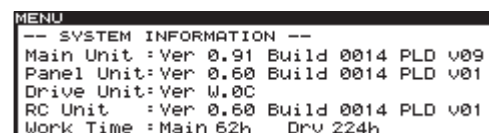
Viewing system information

You can view information about the system. Follow these steps to access this information.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **INFORMATION** menu screen.
3. Select **SYSTEM INFO**.



4. Press the **DATA** dial to show the **SYSTEM INFORMATION** screen, where you can check system versions and operating time.



5. When you are finished checking, press the **HOME** button to return to the Home Screen.

8 – Using the remote connectors

Using the serial connector

Using the **REMOTE (SERIAL)** connector (15-pin, D-sub, RS-232C standard), you can control the unit using a TASCAM RC-9010/RC-9010S remote control (sold separately), a computer or other external device.

Use the menu to make communication-related settings.

Fader use setting

Set whether or not the use of a fader on a TASCAM RC-9010/RC-9010S remote control (sold separately) is enabled.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **REMOTE** menu screen.
3. Select **FADER MODE**.

MENU		
1	FADER MODE	DISABLE
2	FADER START MODE	DISABLE
3	FADER STOP MODE	DISABLE
4	FADER STOP ACT	STANDBY
5	FADER SCALE	0dB MAX
6	OPERATION PANEL	RC ONLY

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to enable or disable fader use.
 - Options: **ENABLE**, **DISABLE** (default value)

NOTE

When set to **DISABLE**, the internal fader is fixed at 0 dB.

6. After making the setting, press the **HOME** button to return to the Home Screen.

NOTE

The fader mode setting is retained even when the power is turned OFF.

Fader start function setting

Fader start allows playback to start by moving the fader of a connected TASCAM RC-9010/RC-9010S remote control (sold separately) from ∞ when the unit is in playback standby.

Enable or disable this function when fader starting is also enabled on the remote.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **REMOTE** menu screen.
3. Select **FADER START MODE**.

MENU		
1	FADER MODE	DISABLE
2	FADER START MODE	DISABLE
3	FADER STOP MODE	DISABLE
4	FADER STOP ACT	STANDBY
5	FADER SCALE	0dB MAX
6	OPERATION PANEL	RC ONLY

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set enable or disable the fader start function.
 - Options: **ENABLE**, **DISABLE** (default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The fader start mode setting is retained even when the power is turned OFF.

Fader stop function setting

The fader stop function that allows playback to be stopped or paused (playback standby) by moving the fader of a connected TASCAM RC-9010/RC-9010S remote control (sold separately) to ∞. Set whether or not this function is enabled when fader starting is also enabled on the remote.

NOTE

If you set both the **FADER START MODE** and **FADER STOP MODE** to **DISABLE**, the fader start function of the TASCAM RC-9010/RC-9010S remote control (sold separately) will be turned OFF automatically, and its **FADER START** button indicator will be unlit. In this state, if you press the **FADER START** button on the remote control, the pop-up message "Can't Change Now, Fixed in crnt mode" appears.

1. Press the **MENU** button to open the **MENU** screen.
2. Open the **REMOTE** menu screen.
3. Select **FADER STOP MODE**.

MENU		
1	FADER MODE	DISABLE
2	FADER START MODE	DISABLE
3	FADER STOP MODE	DISABLE
4	FADER STOP ACT	STANDBY
5	FADER SCALE	0dB MAX
6	OPERATION PANEL	RC ONLY

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to enable or disable the fader stop start function.
 - Options: **ENABLE**, **DISABLE** (default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The fader stop mode setting is retained even when the power is turned OFF.

8 – Using the remote connectors

Fader stop action setting

When the fader start function is ON, you can set whether using the fader stop function (lowering the fader to ∞) on a TASCAM RC-9010/RC-9010S remote control (sold separately) causes playback to stop or pause (playback standby).

1. Press the **MENU** button to open the MENU screen.
2. Open the REMOTE menu screen.
3. Select FADER STOP ACT.

MENU	
1 FADER MODE	DISABLE
2 FADER START MODE	DISABLE
3 FADER STOP MODE	DISABLE
4 FADER STOP ACT	STANDBY
5 FADER SCALE	0dB MAX
6 OPERATION PANEL	RC ONLY

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the action when fader stop occurs.
 - Options: STOP, STANDBY (default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

- Depending on the PLAY menu screen MONITOR PLAY STBY item and ONLINE PLAY STBY settings, BACK CUE operation might take place.
- The fader stop act setting is retained even when the power is turned OFF.

Setting the fader scale used

You can set whether to use the scale shown on the left or right side of the fader on a TASCAM RC-9010/RC-9010S remote control (sold separately). The indicator above the active scale lights.

1. Press the **MENU** button to open the MENU screen.
2. Open the REMOTE menu screen.
3. Select FADER SCALE.

MENU	
2 FADER START MODE	DISABLE
3 FADER STOP MODE	DISABLE
4 FADER STOP ACT	STANDBY
5 FADER SCALE	0dB MAX
6 OPERATION PANEL	RC ONLY
7 P.PORT P3/13 ASGN	STANDBY

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the fader scale used.
 - Options: 10dB MAX (left scale), 0dB MAX (right scale, default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The fader scale setting is retained even when the power is turned OFF.

Transmission speed setting

You can set the transmission speed (baud rate) used with a TASCAM RC-9010/RC-9010S remote control (sold separately) or other remote control using serial protocol.

NOTE

The following serial transmission values are fixed: 8 data bits, No parity bit, 1 stop bit.

1. Press the **MENU** button to open the MENU screen.
2. Open the REMOTE menu screen.
3. Select SERIAL BAUD RATE.

MENU	
3 FADER STOP MODE	DISABLE
4 FADER STOP ACT	STANDBY
5 FADER SCALE	0dB MAX
6 OPERATION PANEL	RC ONLY
7 P.PORT P3/13 ASGN	STANDBY
8 SERIAL BAUD RATE	RC

4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the baud rate used to communicate with external remotes.
 - Options: 9600bps, 19200bps, 38400bps, RC (for TASCAM RC-9010/RC-9010S, default value)
6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The serial baud rate setting is retained even when the power is turned OFF.

8 – Using the remote connectors

Using the parallel connector

Using the **REMOTE (PARALLEL)** connector, you can control this unit with an external controller.

The pin assignments are as follows.

Pin	Function	IN/OUT
1	ON LINE PLAY IN	IN
2	MONITOR PLAY IN	IN
3	STANDBY IN/PAUSE (JOG ON) IN**	IN
4	STANDBY IN	IN
5	STOP IN	IN
6	TRACK SEARCH REV IN [I◀◀]	IN
7	N.C	-
8	TRACK SEARCH FWD IN [▶▶I]	IN
9	SEARCH REV IN [◀◀]	IN
10	SEARCH FWD IN [▶▶]	IN
11	MONITOR PLAY TALLY	OUT
12	STANDBY TALLY	OUT
13	STANDBY TALLY/ PAUSE (JOG ON) TALLY**	OUT
14	STOP TALLY	OUT
15	INDEX SEARCH REV IN [←]	IN
16	INDEX SEARCH FWD IN [→]	IN
17	ON LINE PLAY TALLY	OUT
18	CUE UP	IN
19	ON LINE IN	IN
20	EOM OUT	OUT
21	FADER START/STOP IN	IN
22	ON LINE TALLY	OUT
23	TEN KEY 0	IN
24	TEN KEY 1	IN
25	TEN KEY 2	IN
26	TEN KEY 3	IN
27	TEN KEY 4	IN
28	TEN KEY 5	IN
29	TEN KEY 6	IN
30	TEN KEY 7	IN
31	TEN KEY 8	IN
32	TEN KEY 9	IN
33	CD_TALLY	OUT
34	Reserved	-
35	CUE UP_TALLY	OUT
36	GND	-
37	+5V*	-

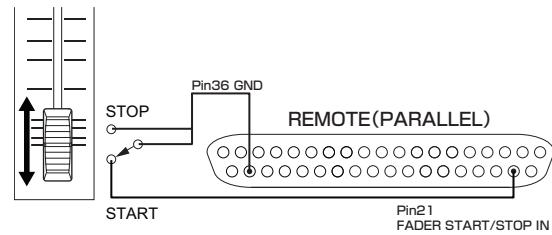
IN: Active low external command reception (operates when at ground 50 ms or longer)

OUT: Signal for tally output display by open collector (50V maximum voltage, 100mA maximum current)

*100mA maximum supplied current

**Use the P.PORT P3/13 ASGN item on the REMOTE menu screen to set their functions. (See "Parallel port 3-pin/13-pin setting" below.)

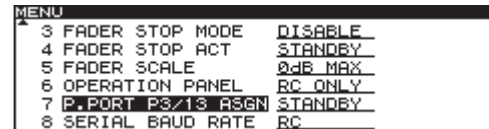
The following is an example of a connection for playback control of this unit using fader start/stop.



Parallel port 3-pin/13-pin setting

You can set the functions of the unit's **REMOTE (PARALLEL)** connector 3-pin and 13-pin.

1. Press the **MENU** button to open the MENU screen.
2. Open the **REMOTE** menu screen.
3. Select **P.PORT P3/13 ASGN**.



4. Press the **DATA** dial to move the cursor right to select the setting.
5. Turn the **DATA** dial to set the **REMOTE (PARALLEL)** connector 3-pin and 13-pin functions.
Options: PAUSE, STANDBY (default value)

Pin number	P.PORT P3/13 ASGN setting	
	PAUSE	STANDBY
3	PAUSE (JOG ON) IN	STANDBY IN
13	PAUSE (JOG ON) TALLY	STANDBY TALLY

6. After completing the setting, press the **HOME** button to return to the Home Screen.

NOTE

The pin assignment setting is retained even when the power is turned OFF.

9 – Message list

Error messages

If one of the following error messages appears in a pop-up, press the **DATA** dial to close the message. Then try to resolve the issue. If you are still unable to correct the problem, please contact the dealer from which you purchased the unit or a TASCAM service center (see the back cover of this manual).

	1st line	2nd line	Meaning
1	- error -	DECODE	Failed to play WAV file.
2	- error -	MIX DISC	The disc has both WAV format files and audio CD format files on it.
3	- error -	TRACK	Playback is not possible because the file on the CD is of an unplayable format.

Warning messages

When an operation cannot be conducted, one of the following pop-up warning messages will appear on the display. After appearing for about two seconds, warning messages automatically disappear.

	1st line	2nd line	Meaning
1	- caution -	NOT EXECUTE	Failed to execute the editing operation.
2	- caution -	CAN'T EDIT	Editing was not possible due to system limitations.
3	- caution -	CAN'T SELECT	Selection/execution was not possible due to system limitations.
4	- caution -	TRK PROTECT	Editing was not possible because the track is protected.
5	- caution -	NAME FULL	The maximum number of characters for the name (text field) has been reached.
6	- caution -	PROGRAM FULL	The track cannot be added because the maximum number of tracks in a program has been reached.
7	- caution -	SAME NAME	An item with the same name already exists.

Operation messages

As necessary, the following messages will appear in the time display area.

	1st line	Meaning
1	CLOSE	The disc tray is closed.
2	DEVICE ERROR	The device cannot be detected. Please contact TASCAM customer support.
3	MEDIA ERROR	The media is not playback media.
4	MEDIA READING	Now reading from media.
5	NO MEDIA	Media is not loaded in the CD.
6	OPEN	The disc tray is open.
7	POWER ON	The system is starting up and initializing.
8	UNKNOWN	The media is in a format other than FAT. Format the media with the unit in order to use them together. The disc is an incompatible format (DVD, non-hybrid SACD, etc.). Use an audio CD, or data CD with WAV files.

10 – Troubleshooting

If the unit is not functioning properly, please check the following items before calling for service. If you are still unable to resolve the problem please contact the retailer where you purchased the unit or TASCAM customer support (see the back cover).

■ **Power does not turn on**

Confirm that the power plug is inserted completely.

■ **Media is not detected**

Confirm that the CD is loaded properly.
Stop playback once.

■ **Unit cannot be controlled**

Confirm that the panel lock function is not on.

■ **Unable to playback a file**

If it is a WAV file, confirm that it uses a sampling frequency (44.1 kHz or 48 kHz) and a bit rate (16 or 24) that are supported by this unit.

■ **No sound**

Confirm the connections with the monitoring system and check the volume of the amplifier.

■ **Changed settings are not saved**

This unit backs up settings whenever you change them. This backup could fail if you turn off the power while this data is being written, so do not turn the power off immediately after changing a setting.

■ **I hear noise**

Check if any connecting cable might have a bad connection.

11 – Specifications

Media and file formats

Supported media

CD, CD-R (CD-DA audio discs, ISO9660 Level1/Joliet/Romeo data discs)

Playback file formats

WAV: 44.1/48kHz, 16/24-bit

CD-DA: 44.1kHz, 16-bit

Number of channels

2 (stereo)

1 (mono)

Inputs and outputs

Analog audio inputs and outputs

MIX INPUTS (BALANCED)

Connector: XLR-3-31 (1: GND, 2: HOT, 3: COLD)

Input impedance: 10 k Ω

Nominal input level: +4 dBu (1.23 Vrms)

Maximum input level: +24 dBu (12.28 Vrms)

LINE OUTPUTS (BALANCED)

Connector: XLR-3-32 (1: GND, 2: HOT, 3: COLD)

Output impedance: 200 Ω

Nominal output level: +4 dBu (1.23 Vrms)

Maximum output level: +24 dBu (12.28 Vrms)

MONITOR OUTPUTS (UNBALANCED)

Connector: RCA pin jack

Output impedance: 100 Ω

Nominal output level: -10 dBv (0.32 Vrms)

Maximum output level: +6 dBv (2 Vrms)

PHONES

Connector: 6.3mm (1/4") standard stereo jack

Maximum output level: 45 mW+45 mW
(THD+N 0.1%, 32 Ω)

Digital audio output

DIGITAL OUT (COAXIAL)

Connector: RCA pin jack

Format: IEC60958-3 (S/PDIF consumer standard)*

Output impedance: 75 Ω

*When the DIGITAL OUT TYPE in the SYSTEM menu is set to CONSUMER.

DIGITAL OUT (XLR)

Connector: XLR-3-31

Format: AES3-2003/IEC60958-4 (AES/EBU)**

Output impedance: 110 Ω

**When the DIGITAL OUT TYPE in the SYSTEM menu is set to PRO.

Control inputs and outputs

WORD IN

Connector: BNC

Input voltage: 5V TTL equivalent

Input impedance: 75 Ω

Permissible frequency variation during external synchronization: ± 100 ppm

Switchable clock terminator

WORD THRU

Connector: BNC

Output voltage: 5V TTL equivalent

Output impedance: 75 Ω

REMOTE IN (SERIAL)

Connector: D-sub 15-pin

REMOTE IN (PARALLEL)

Connector: D-sub 37-pin

Maximum input voltage: +5.5 V

High-level minimum input voltage: +3.75 V

Low-level maximum input voltage: +1.25 V

Output format: open drain (withstand voltage 50 V, maximum 100 mA)

Low-level maximum output voltage: 0.5 V

+5V power maximum supplied current: 100 mA

Audio performance

Frequency response

20 Hz–20 kHz: ± 0.5 dB

Distortion

0.005% or less

S/N ratio

100 dB or more

Dynamic range

95 dB or more

Channel separation

95 dB or more

NOTE

All audio performance ratings are for playback according to JEITA CP-2150 standards

Backup memory

The following settings are backed up even when the power is turned OFF.

- Playback mode settings
- Program playback settings
- Cue playback settings (for up to 500 CDs)
- Menu item settings: auto cue, auto ready, incremental playback, online back cue, play key function, monitor playback standby, online playback standby, repeat playback, EOM, end check, pitch control value, external remote, jog playback, RS-232C, digital output, analog output, online, master clock, mono mix playback, level meter display, fail safe, monitoring point, online monitor muting, display and indicator brightness, display contrast

General

Power

AC 100-240 V, 50-60 Hz

Power consumption

14 W

Dimensions (width × height × depth)

220 x 136.8 x 385.2 mm

Weight

6 kg

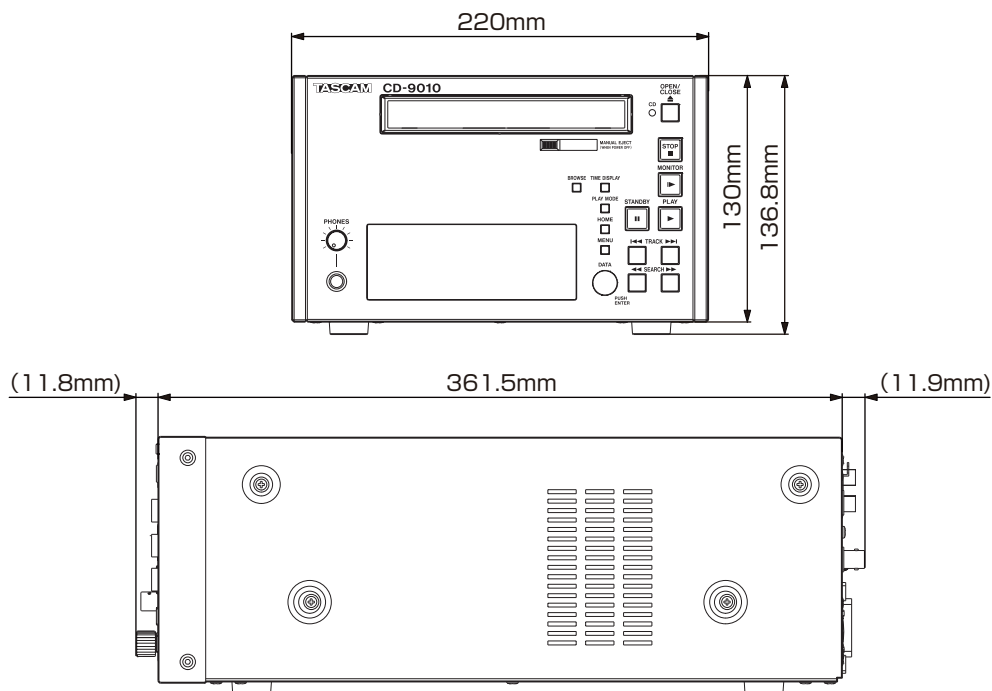
Operating temperature range

5–35° C (41–95° F)

Installation angle

5° or less

Dimensional drawings



- *Illustrations in this manual might differ in part from actual products.*
- *In order to improve the products, specifications and appearance could be changed without prior notice.*

TASCAM

CD-9010

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TEAC EUROPE GmbH

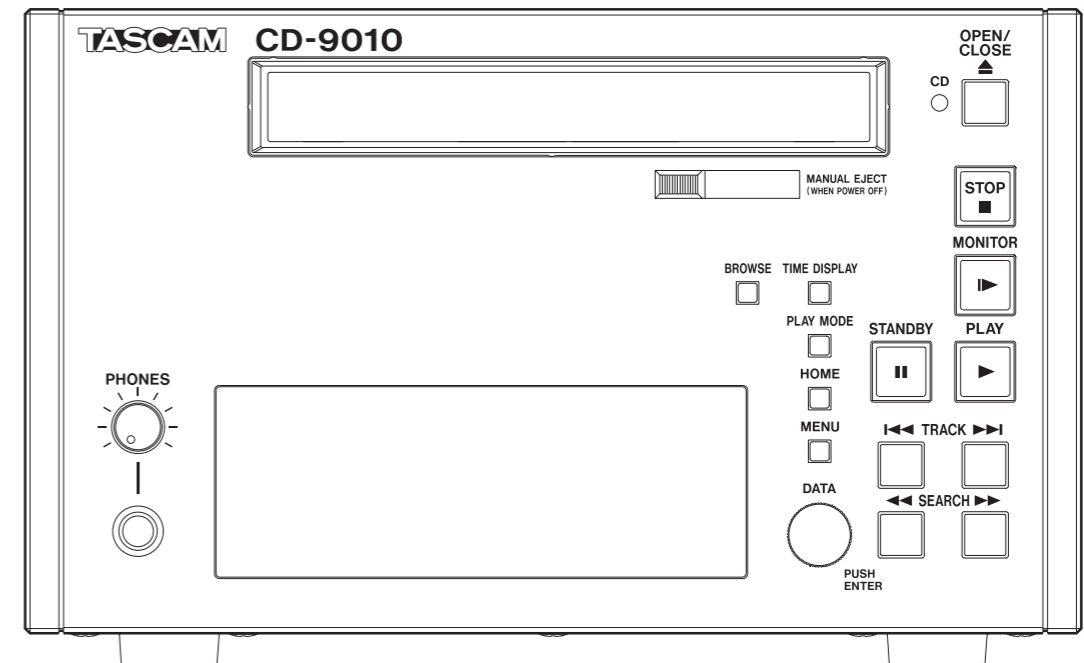
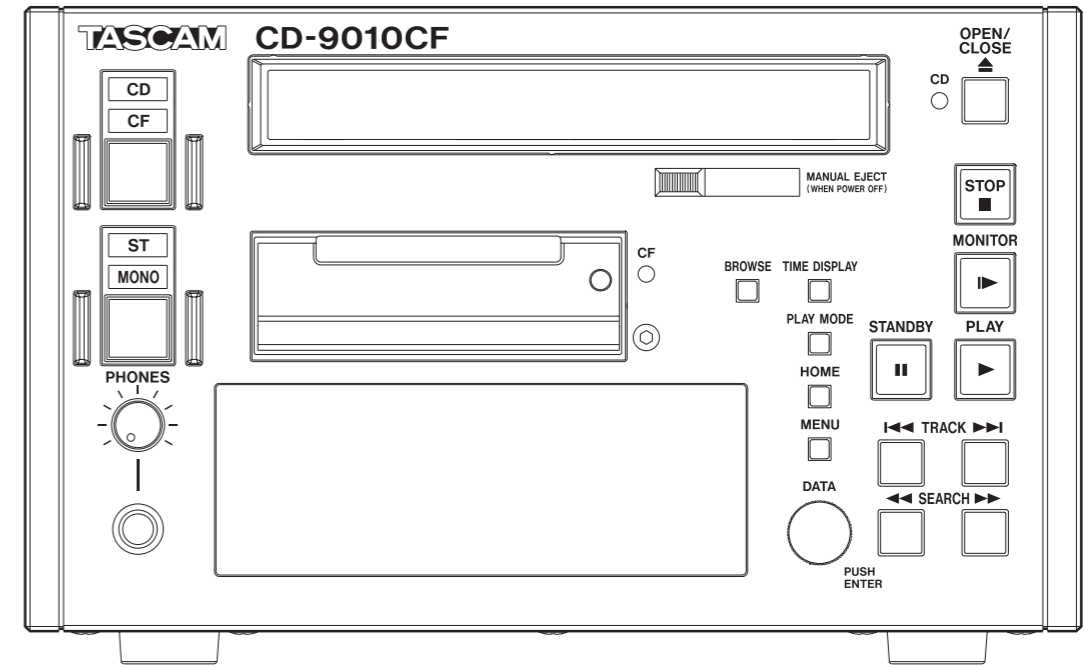
Phone: +49-611-71580
Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany

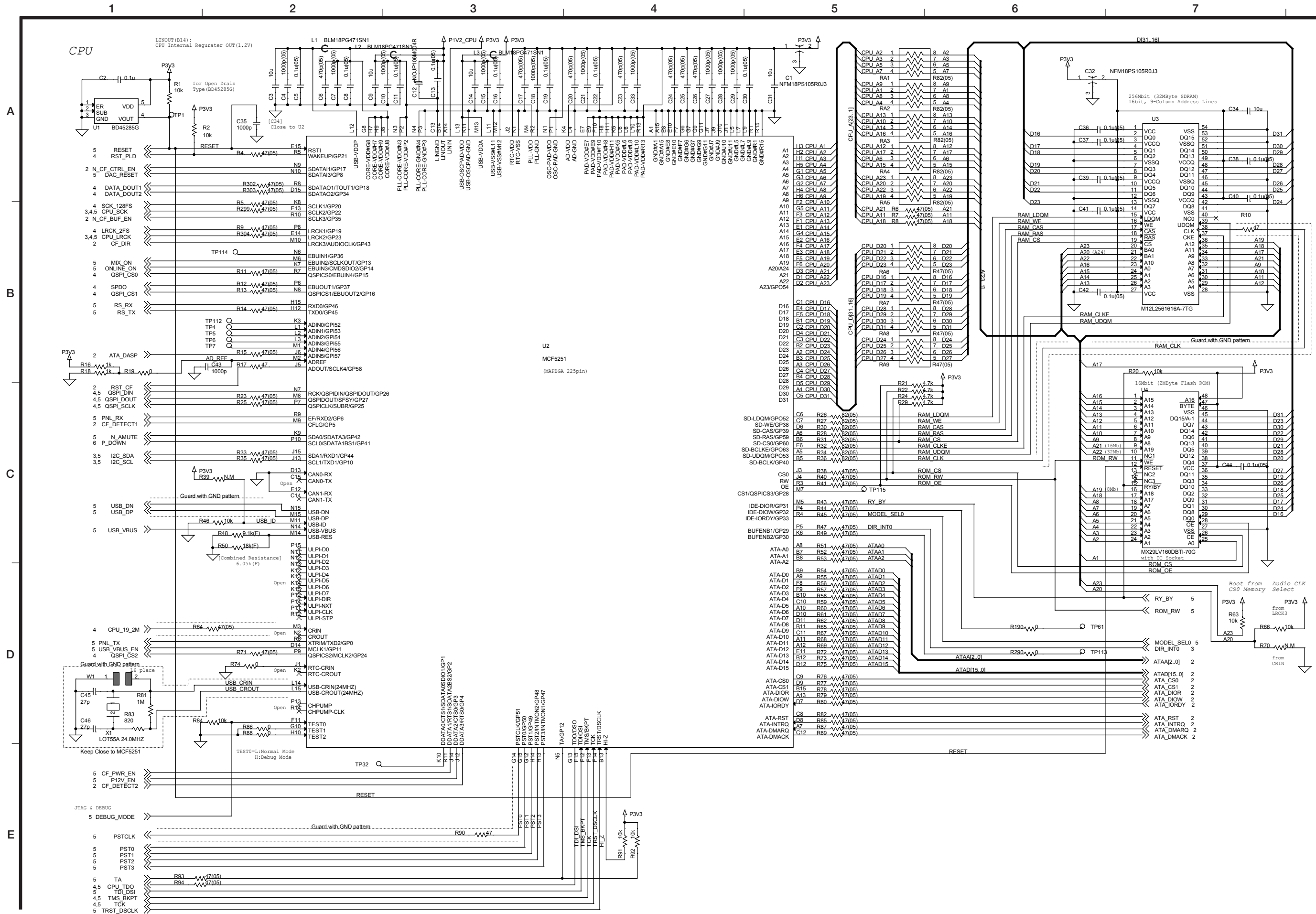
tascam.de

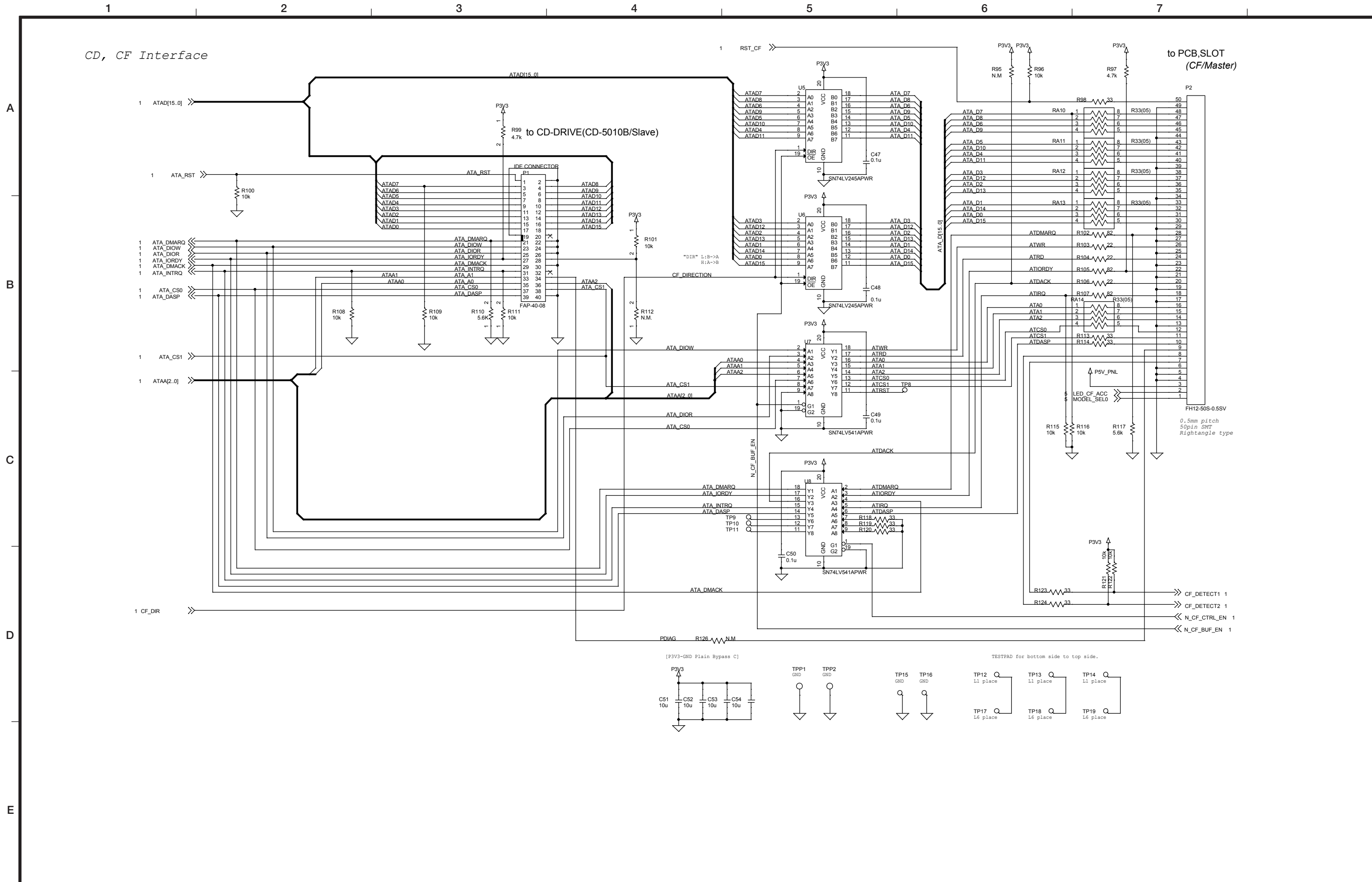
CD / Solid State Player, CD Player **CD-9010CF, CD-9010**

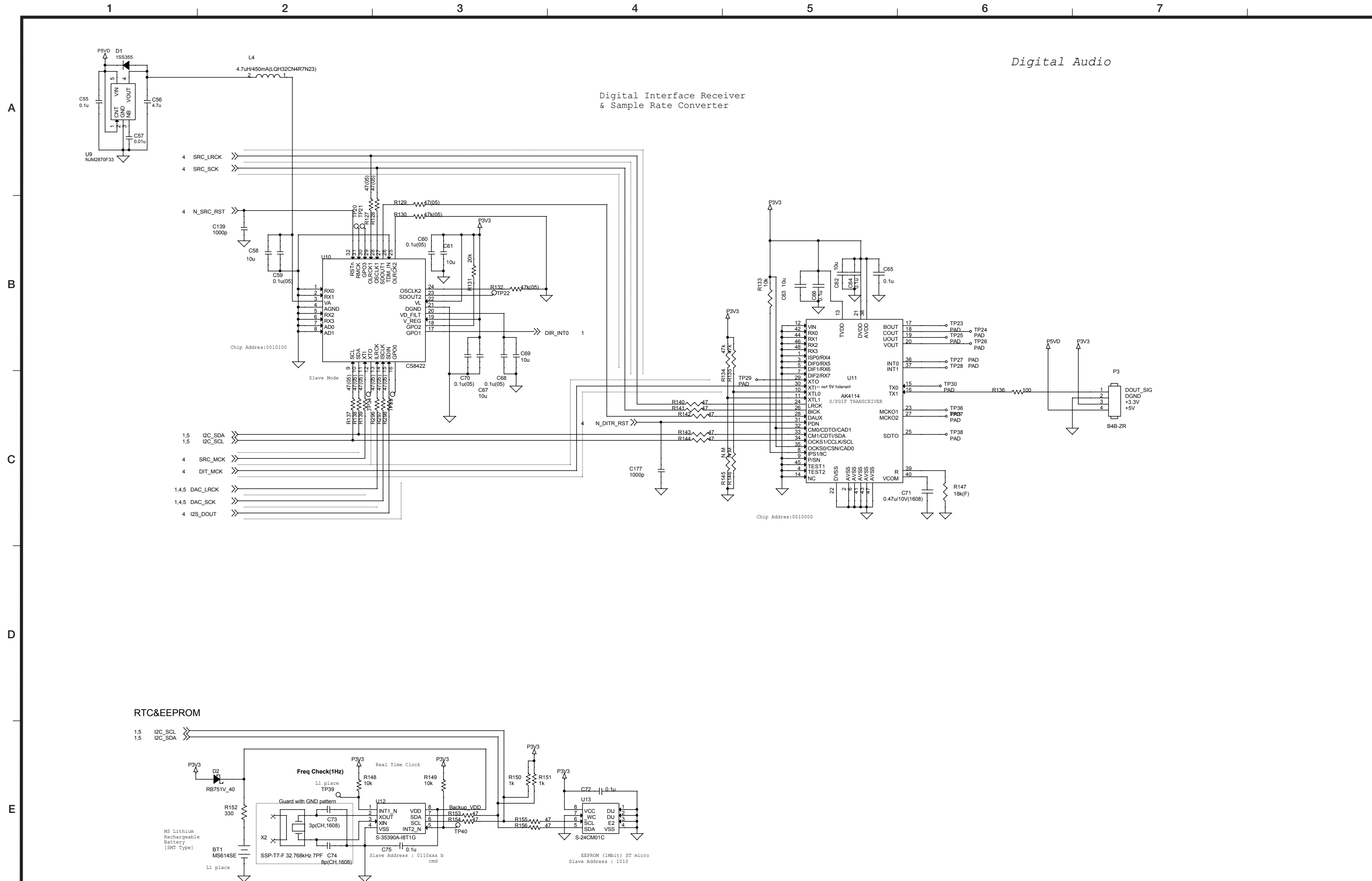
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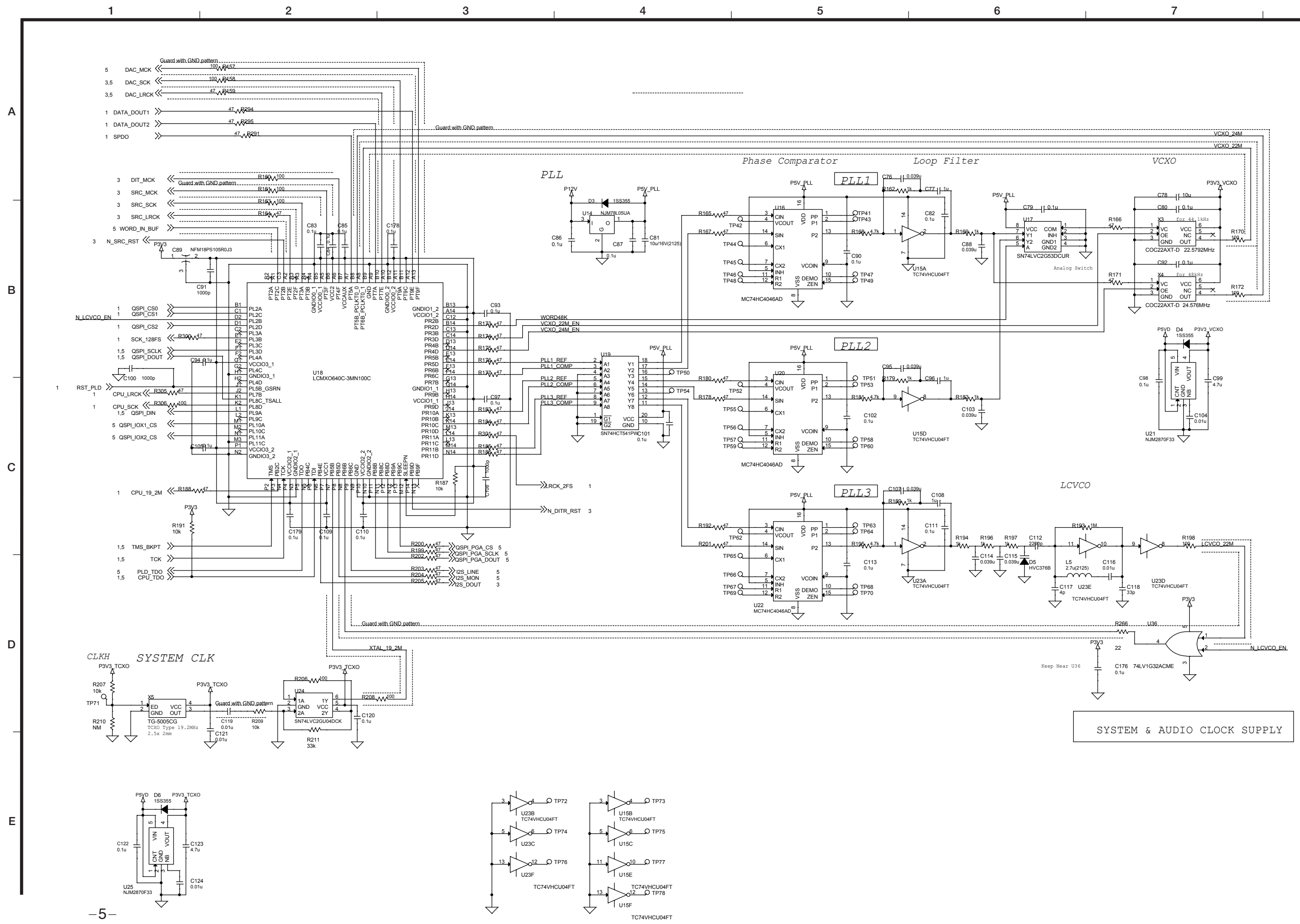
PCB MAIN (CPU)	(1/6)	2
PCB MAIN (ATA/CF)	(2/6)	3
PCB MAIN (DIGITAL OUT)	(3/6)	4
PCB MAIN (PLL)	(4/6)	5
PCB MAIN (OTHERS)	(5/6)	6
PCB MAIN (POWER)	(6/6)	7
PCB PANEL (CPU)	(1/3)	8
PCB PANEL (PLD/LCD)	(2/3)	9
PCB PANEL (LED CONTROL)	(3/3)	10
PCB AUDIO (IO&POWER)	(1/6)	11
PCB AUDIO (MIX IN)	(2/6)	12
PCB AUDIO (DAC LINE)	(3/6)	13
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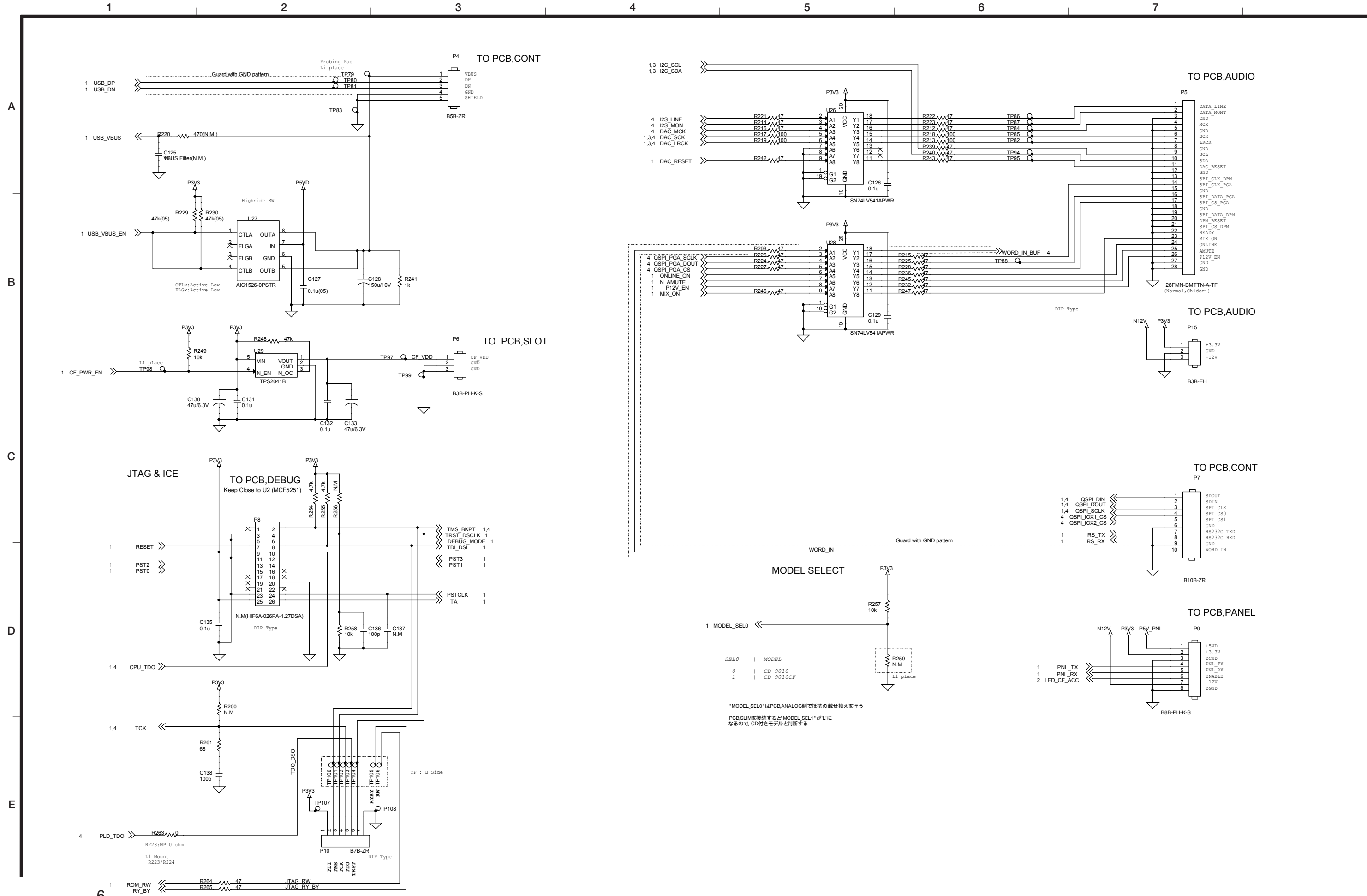






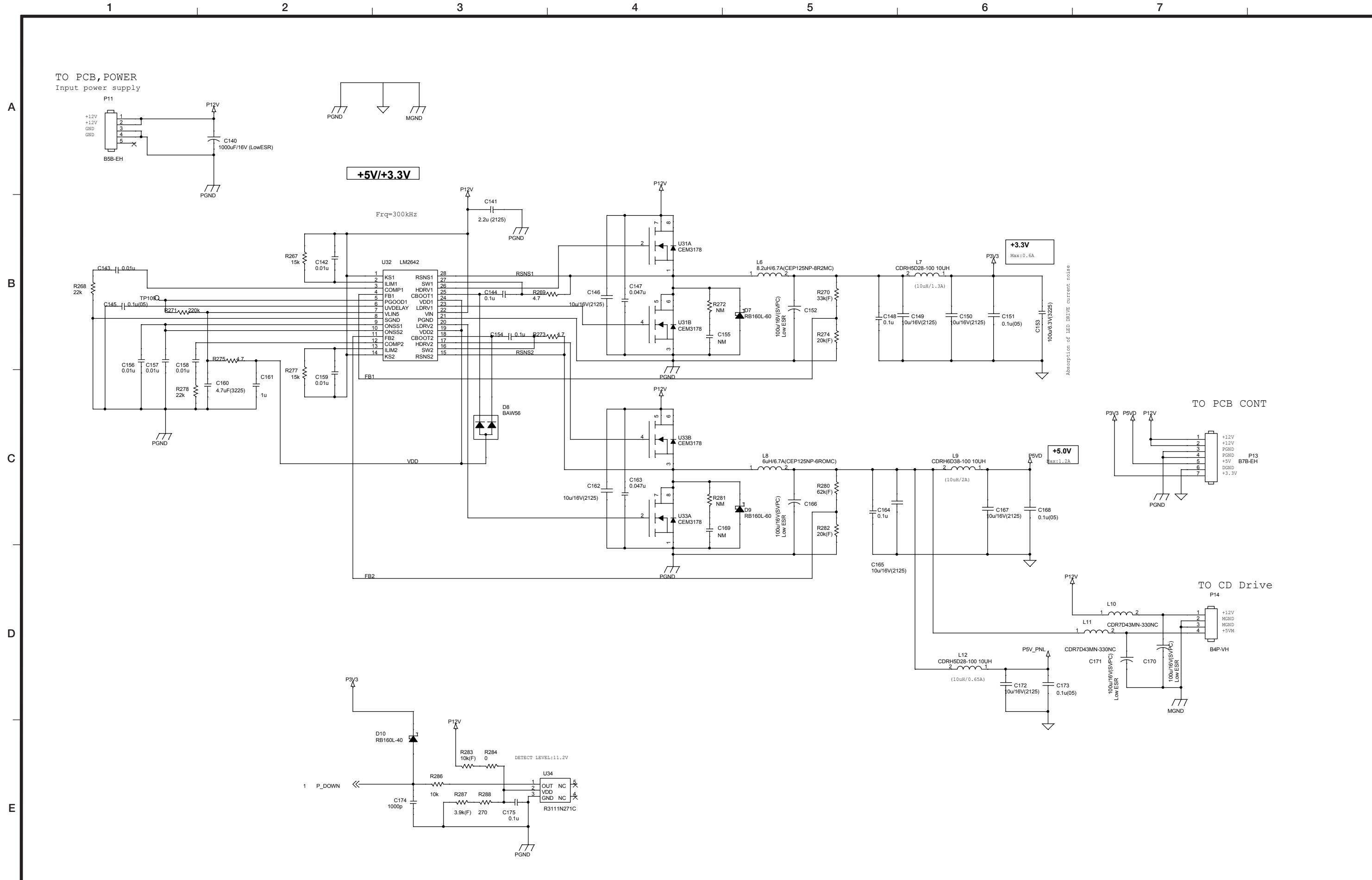






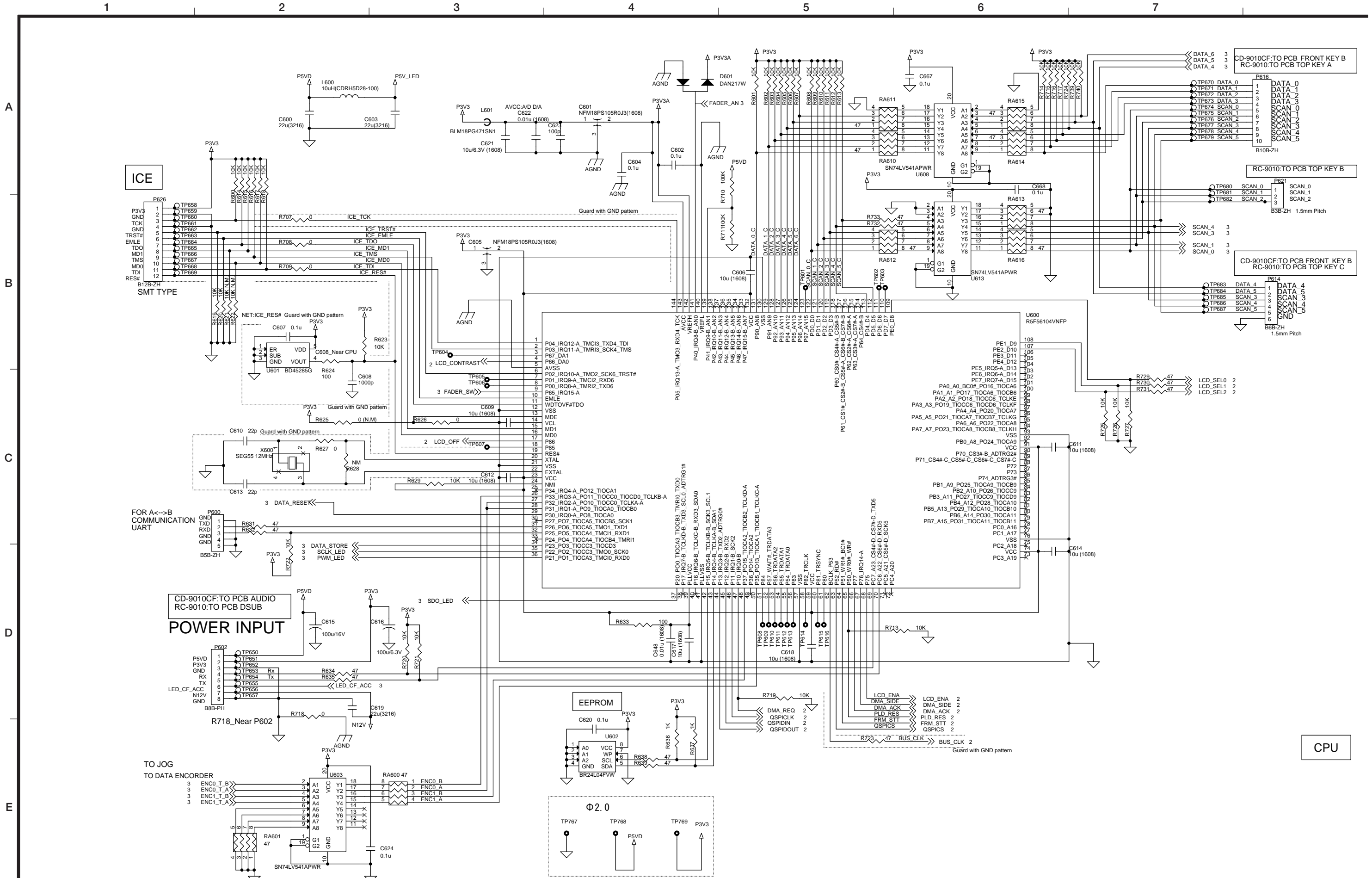
SEL0	MODEL
0	CD-9010
1	CD-9010CF

*MODEL_SEL0*はPCBANALOG側で抵抗の置き換えを行う
PCB SLIMを接続するとMODEL_SEL1*がL1になるため、CD付きモデルと判断する



Absorption of LED DRIVE current noise

A
B
C
D
E



CPU

1 2 3 4 5 6 7

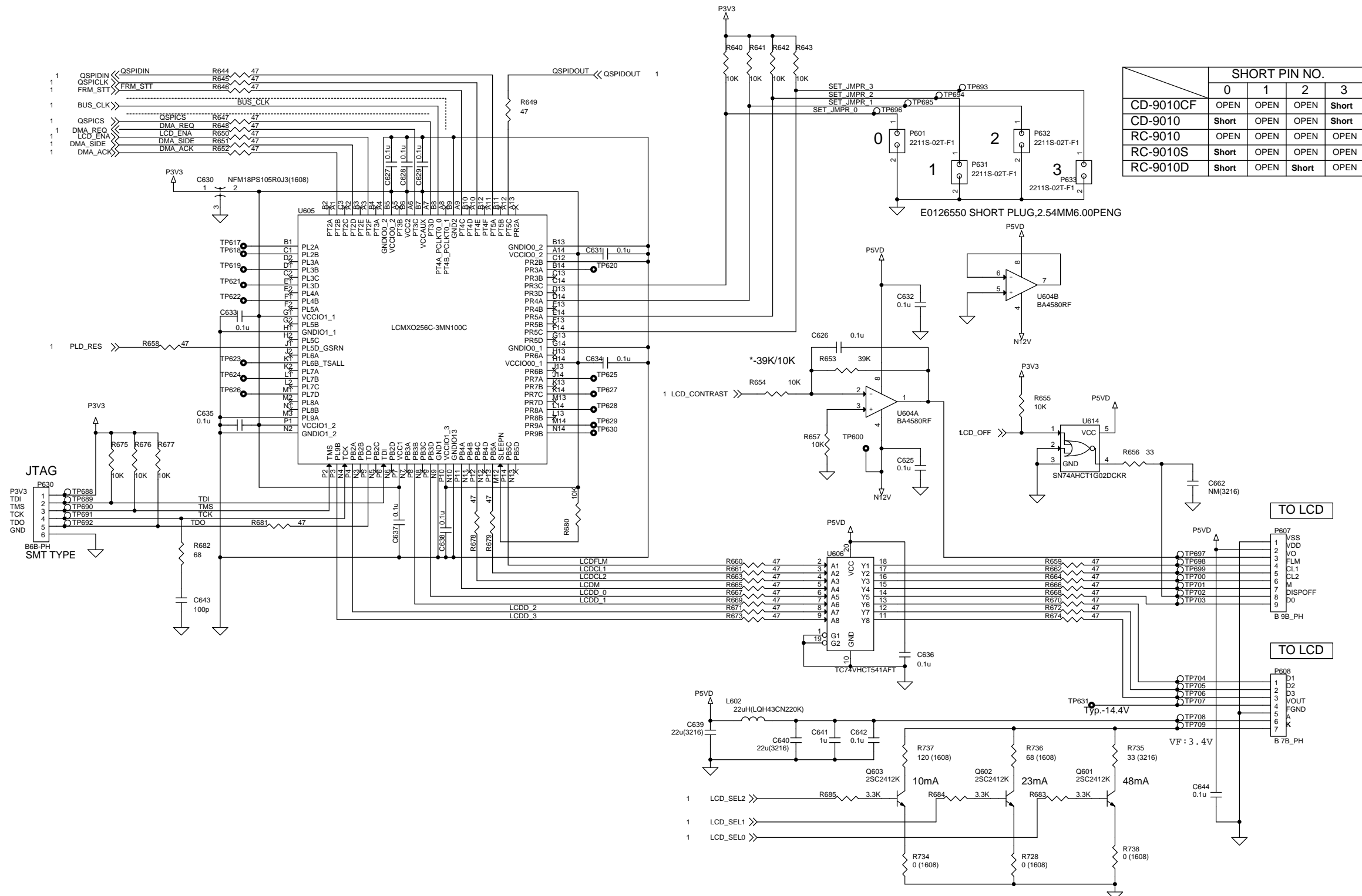
A

B

C

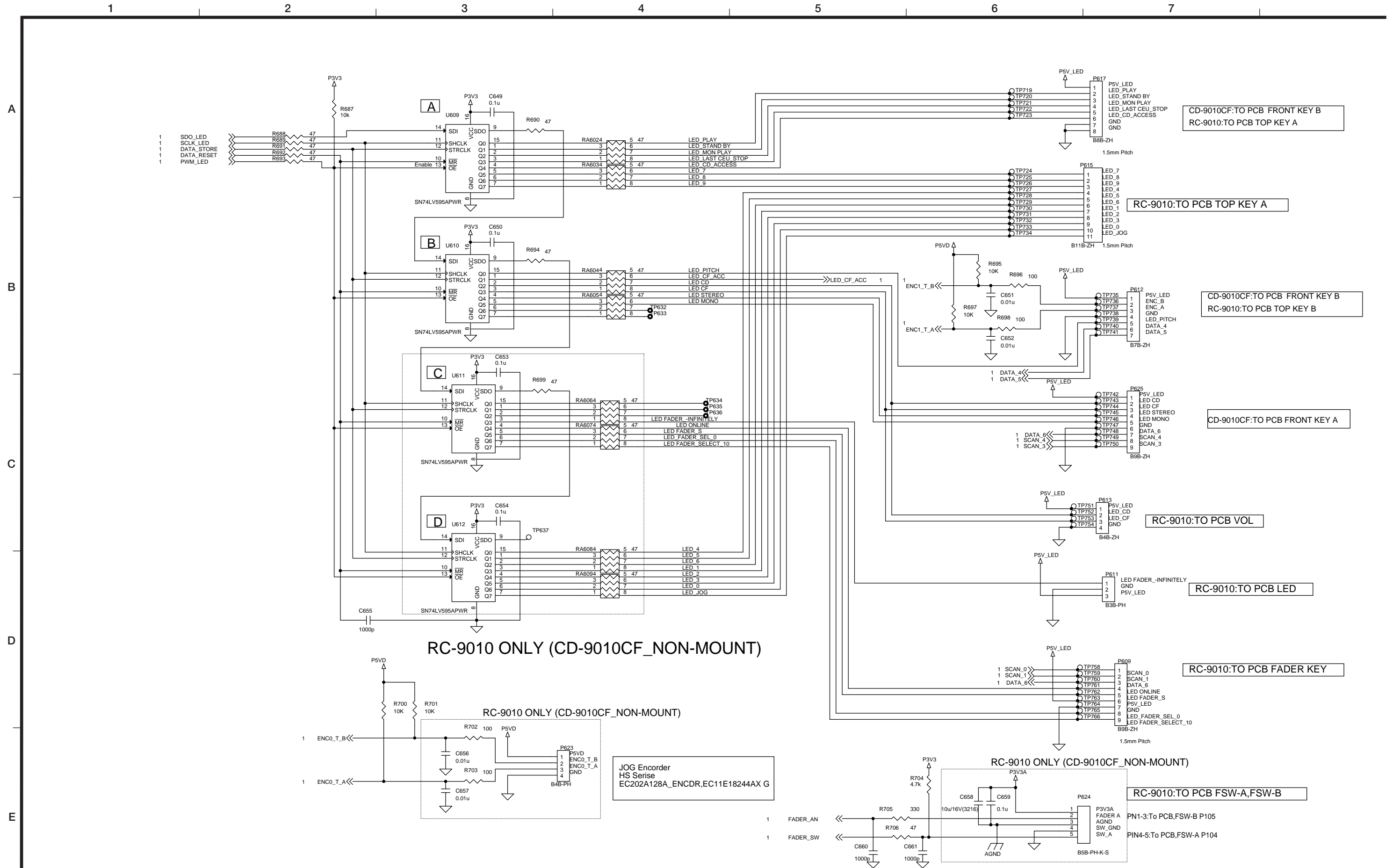
D

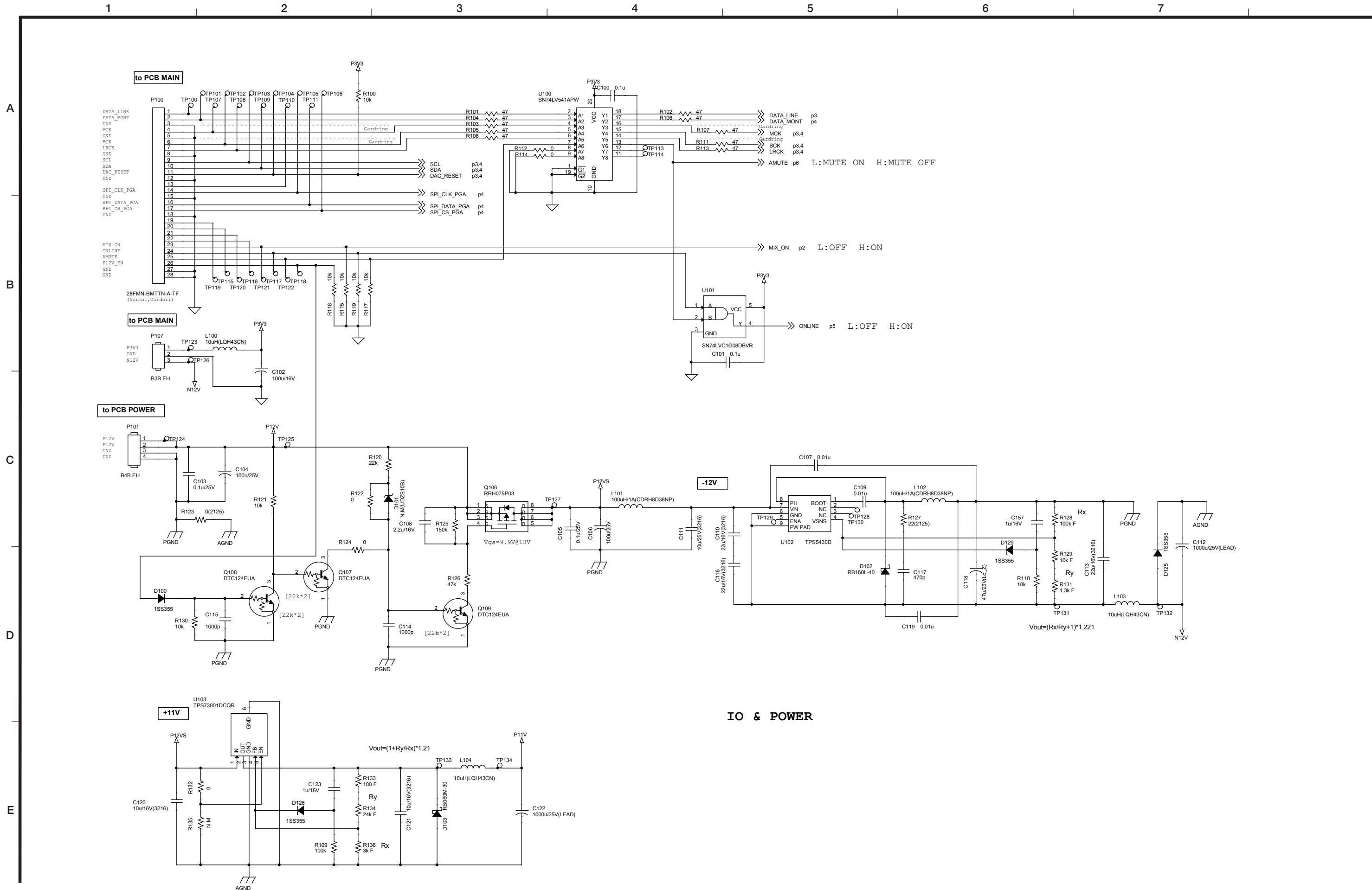
E



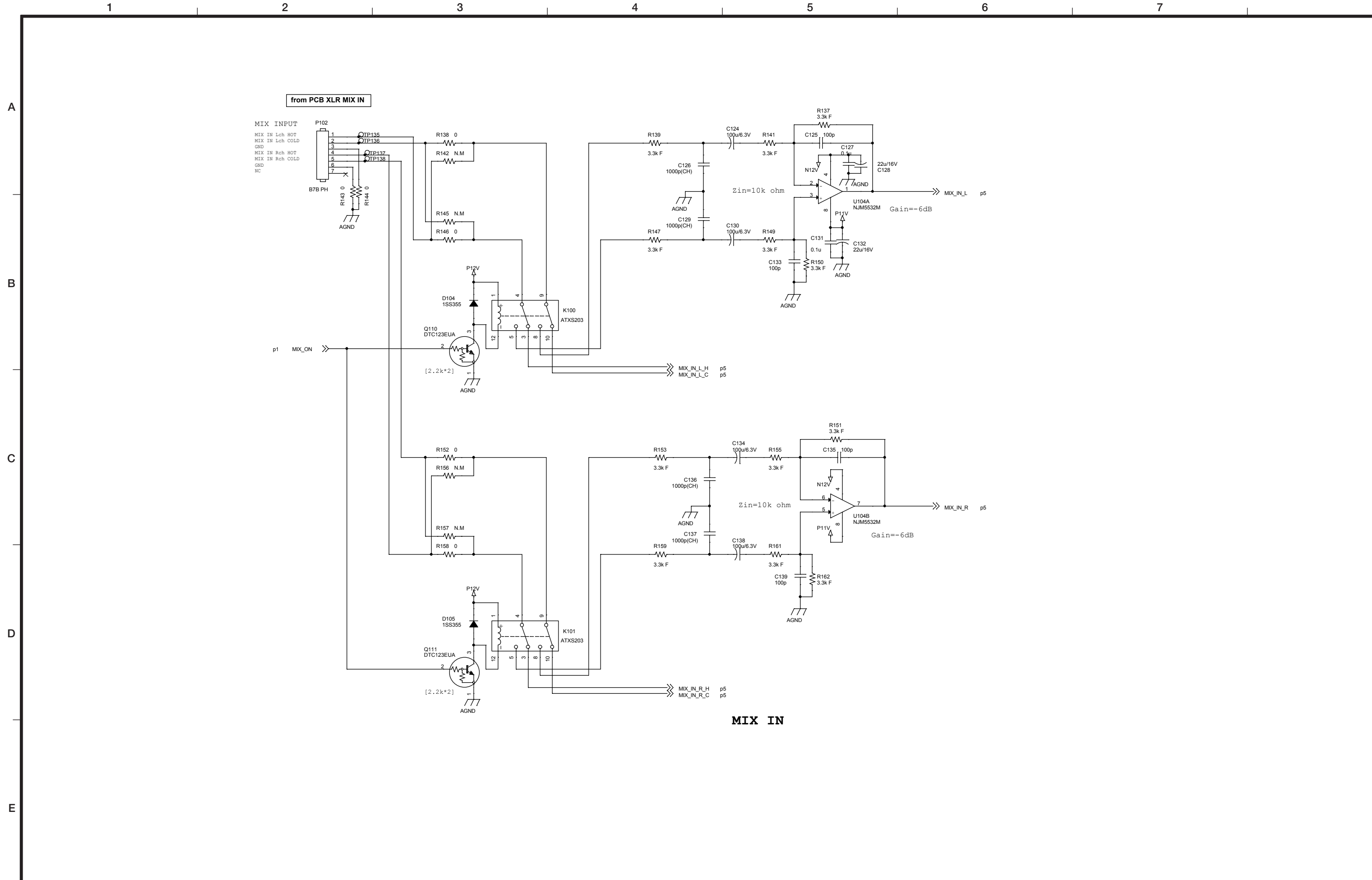
	SHORT PIN NO.			
	0	1	2	3
CD-9010CF	OPEN	OPEN	OPEN	Short
CD-9010	Short	OPEN	OPEN	Short
RC-9010	OPEN	OPEN	OPEN	OPEN
RC-9010S	Short	OPEN	OPEN	OPEN
RC-9010D	Short	OPEN	Short	OPEN

PLD





IO & POWER



1 2 3 4 5 6 7

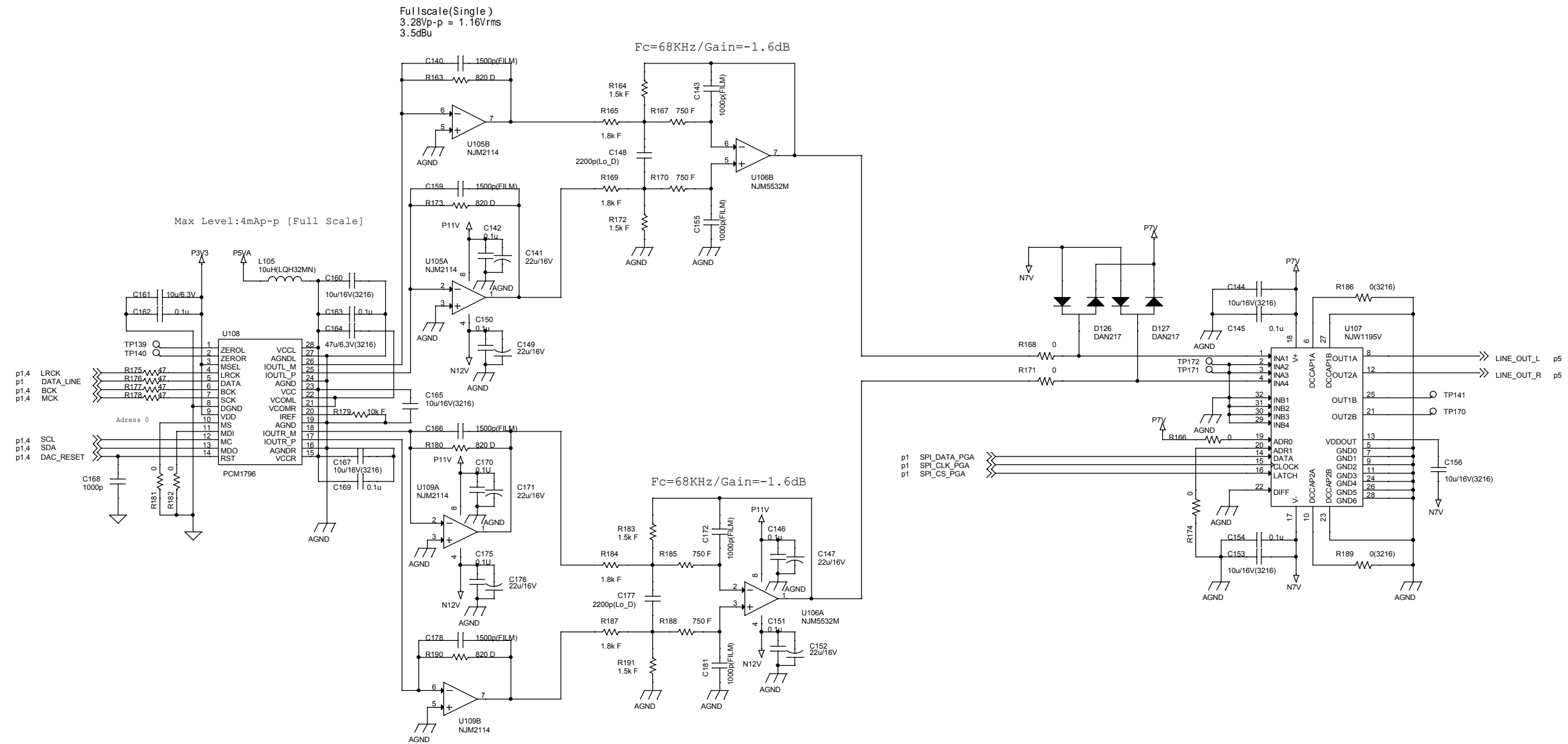
A

B

C

D

E

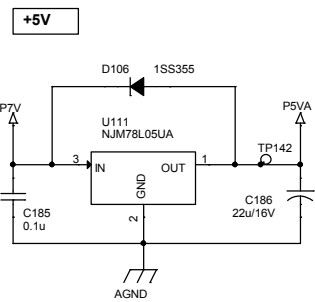


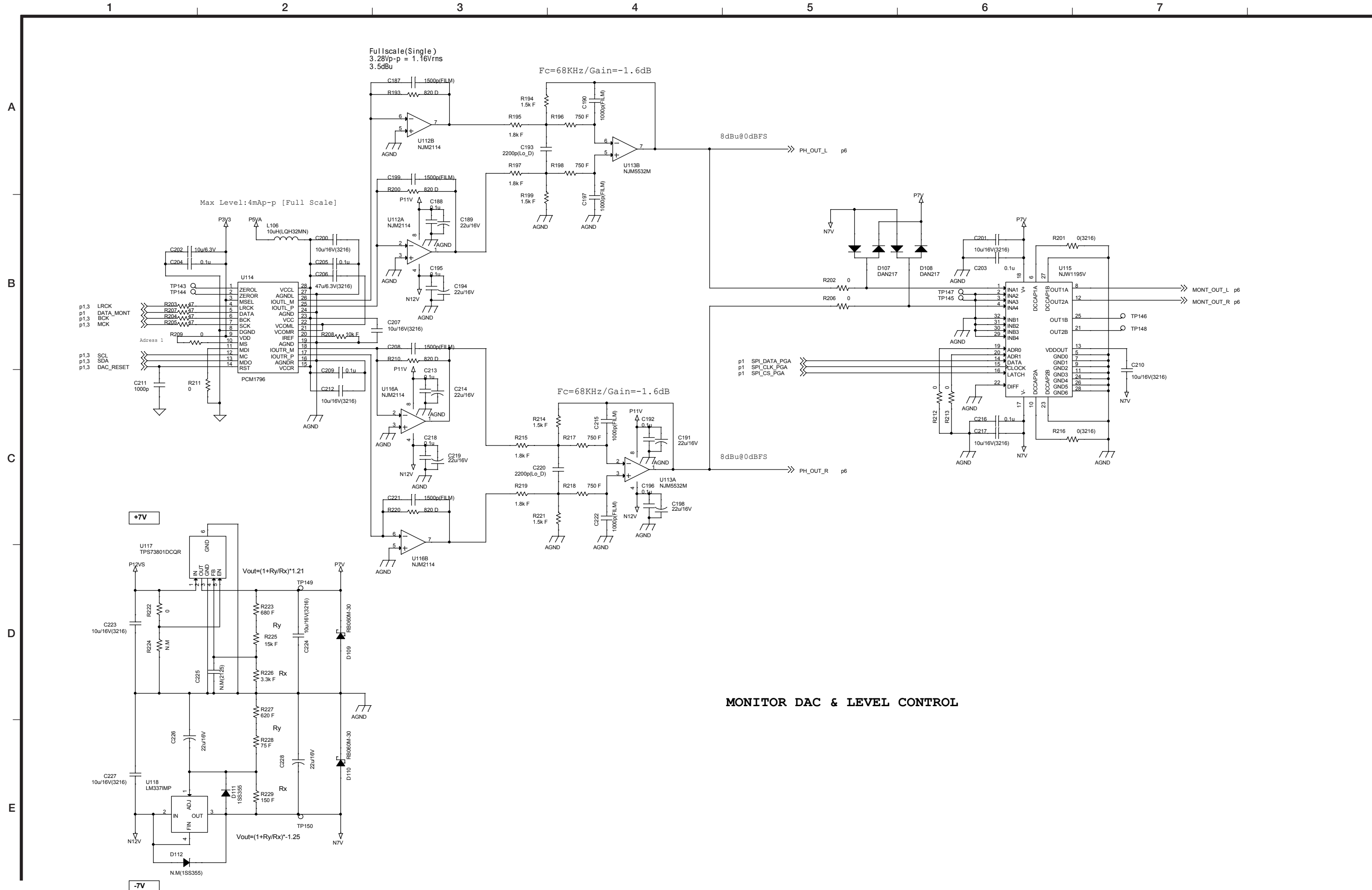
Max Level:4mA_{p-p} [Full Scale]

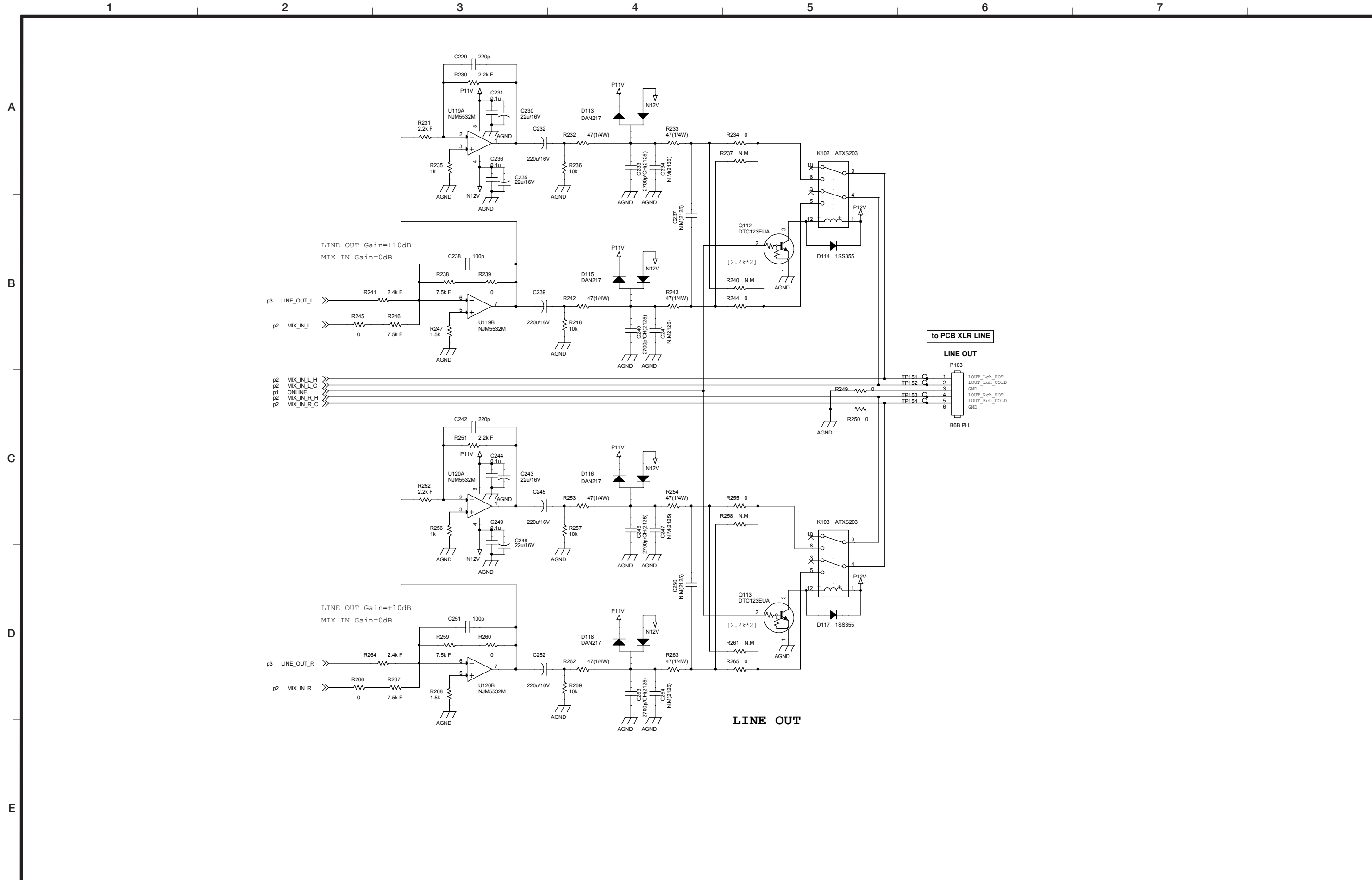
Fc=68KHz/Gain=-1.6dB

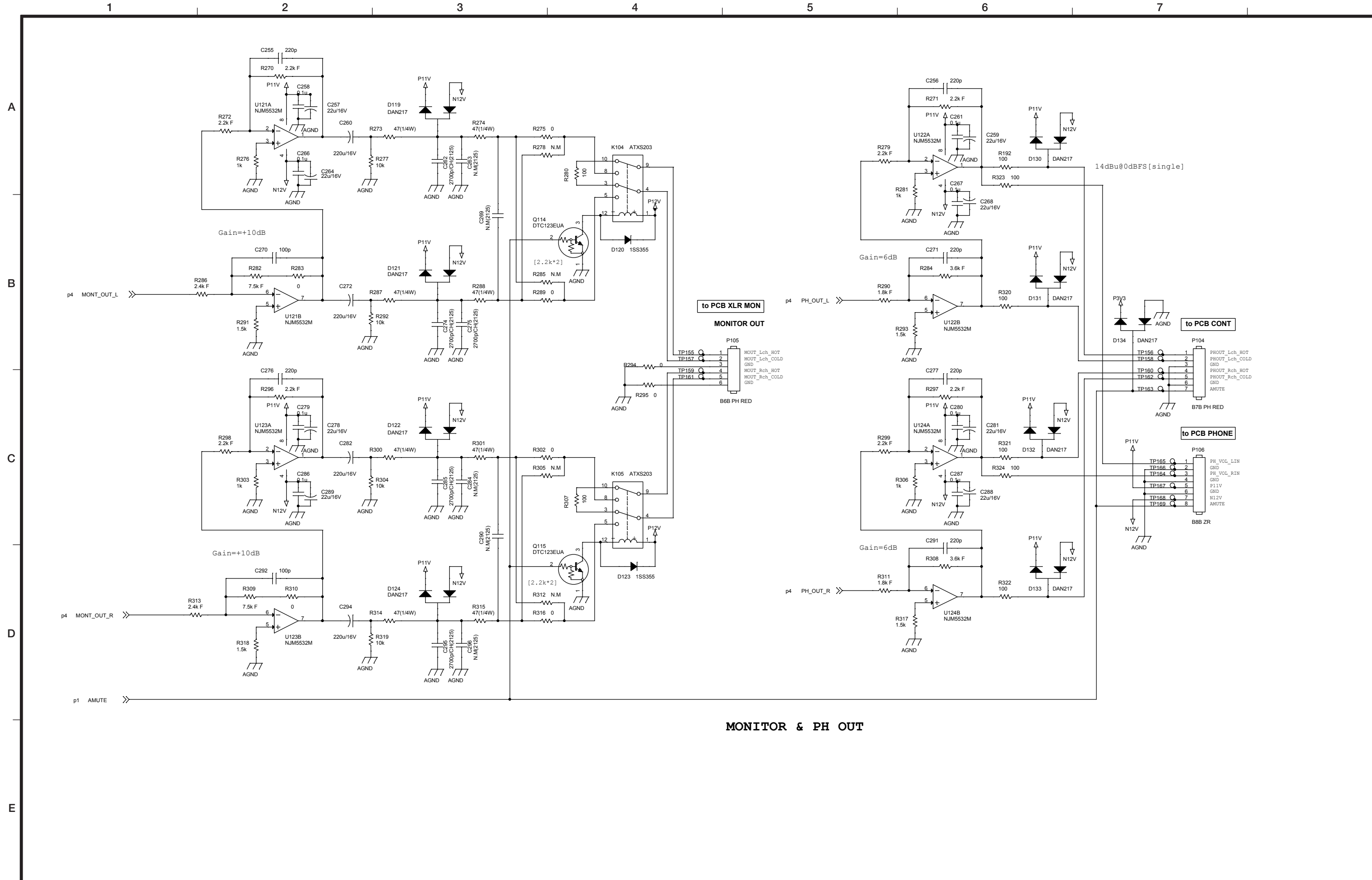
Fc=68KHz/Gain=-1.6dB

LINE OUT DAC

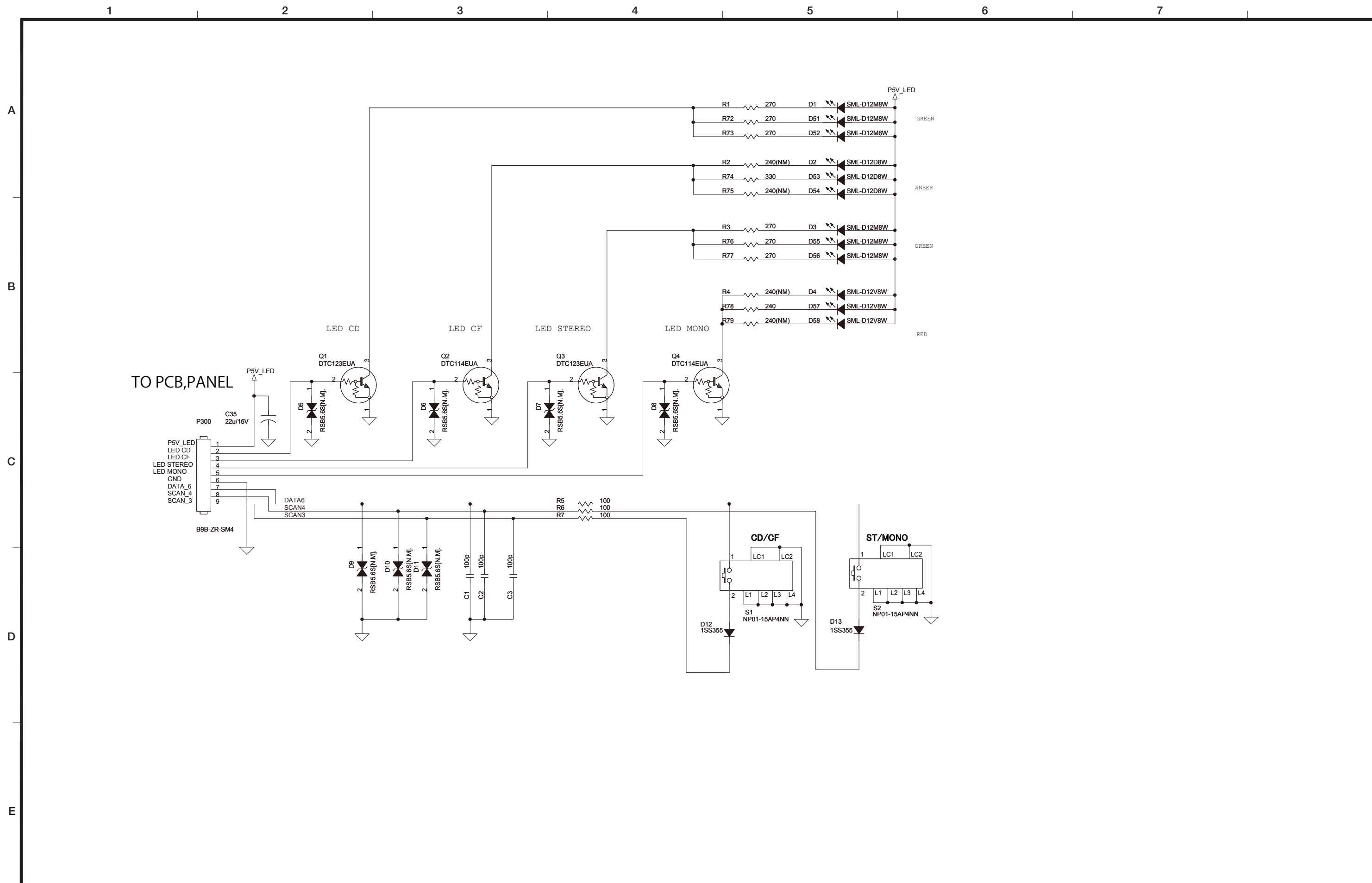


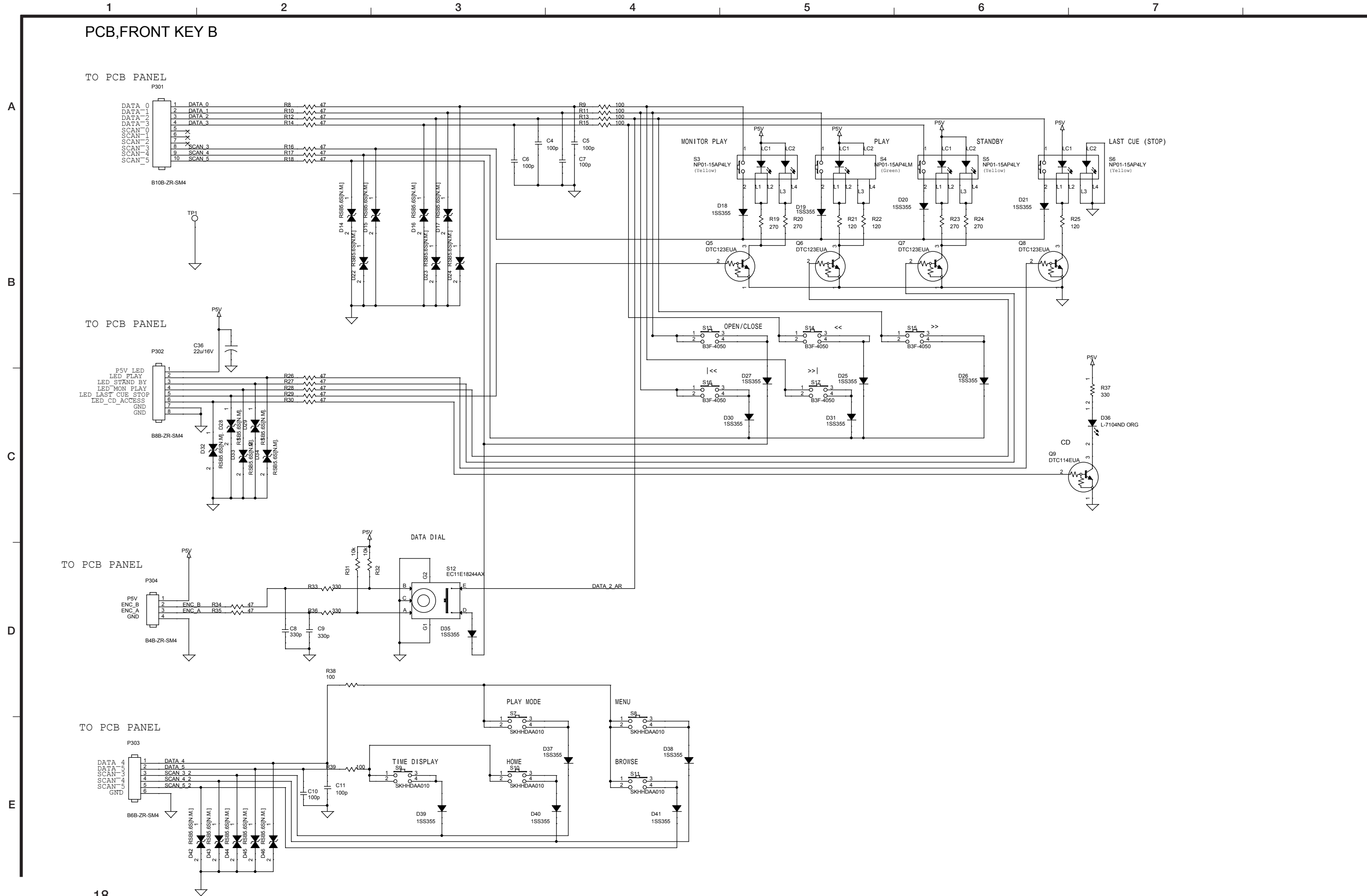


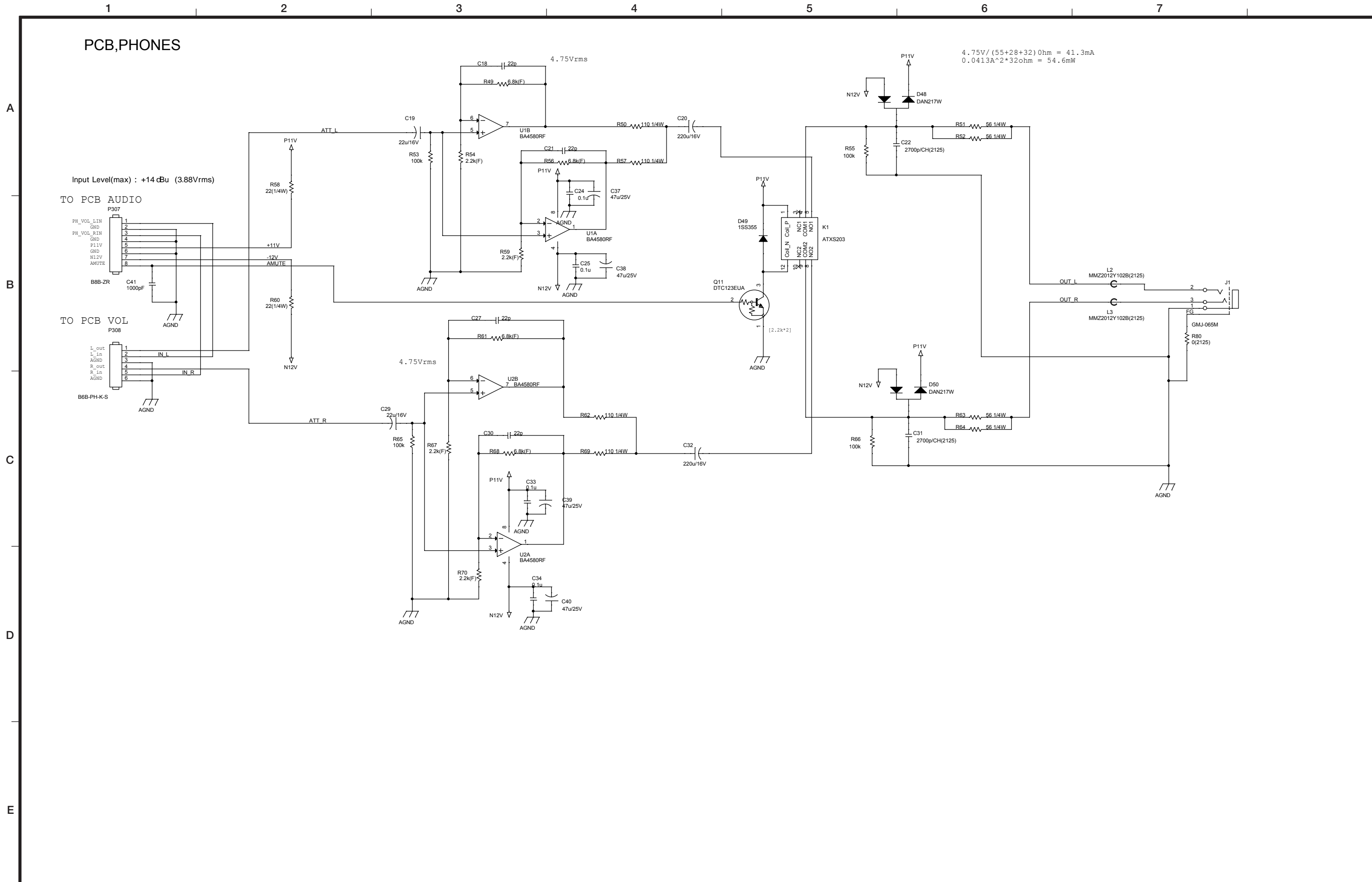




MONITOR & PH OUT

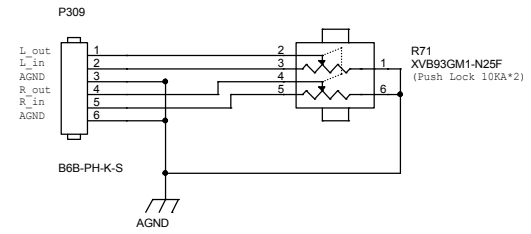




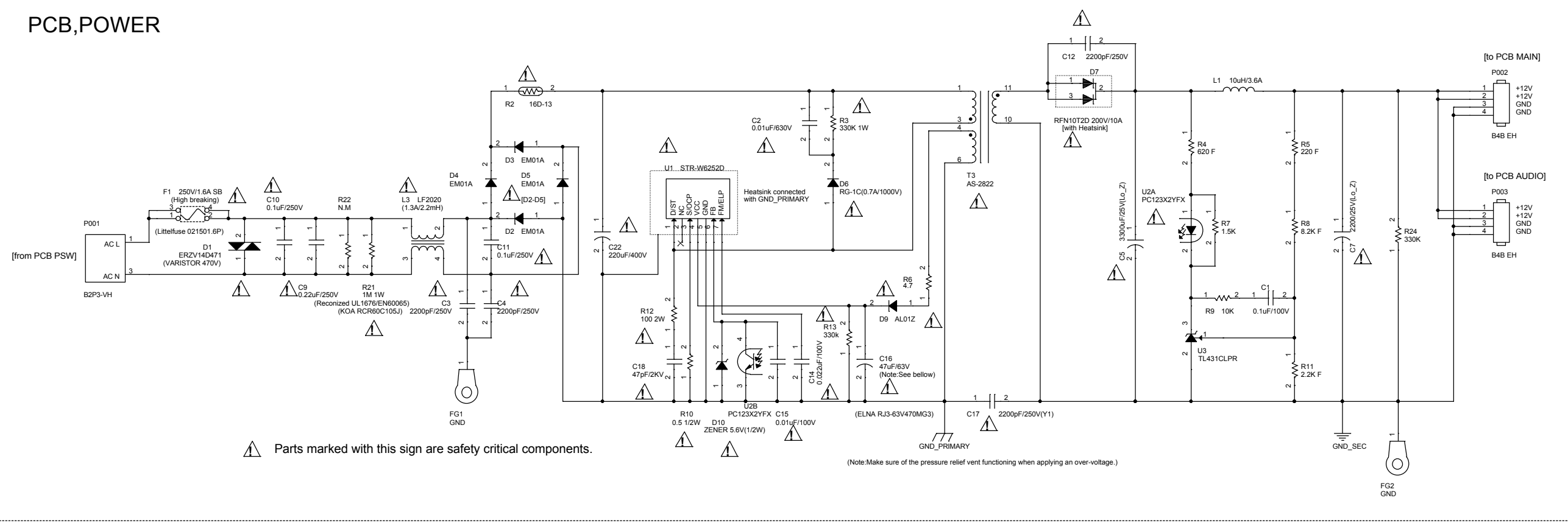


PCB,VOL

TO PCB PHONES



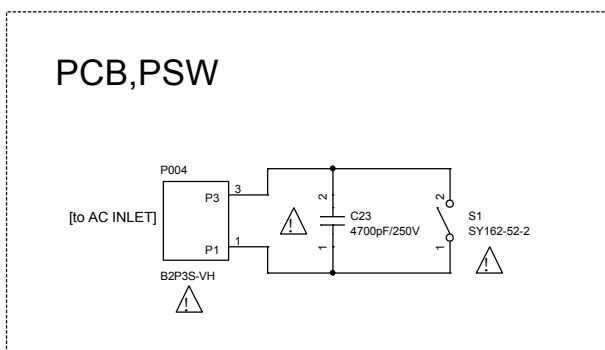
PCB,POWER

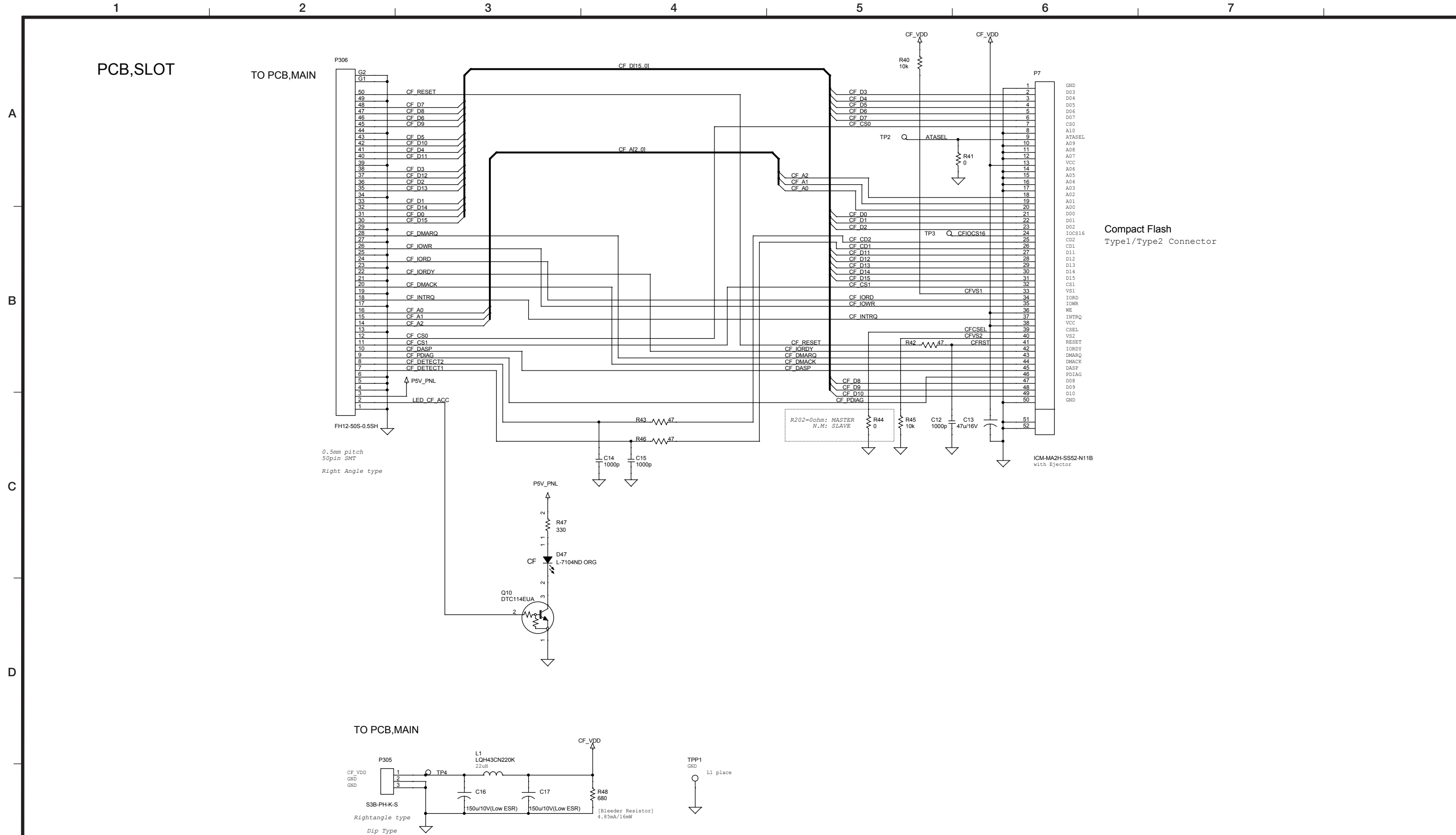


Parts marked with this sign are safety critical components.

(Note: Make sure of the pressure relief vent functioning when applying an over-voltage.)

PCB,PSW





PCB,CONT (1)

A

B

C

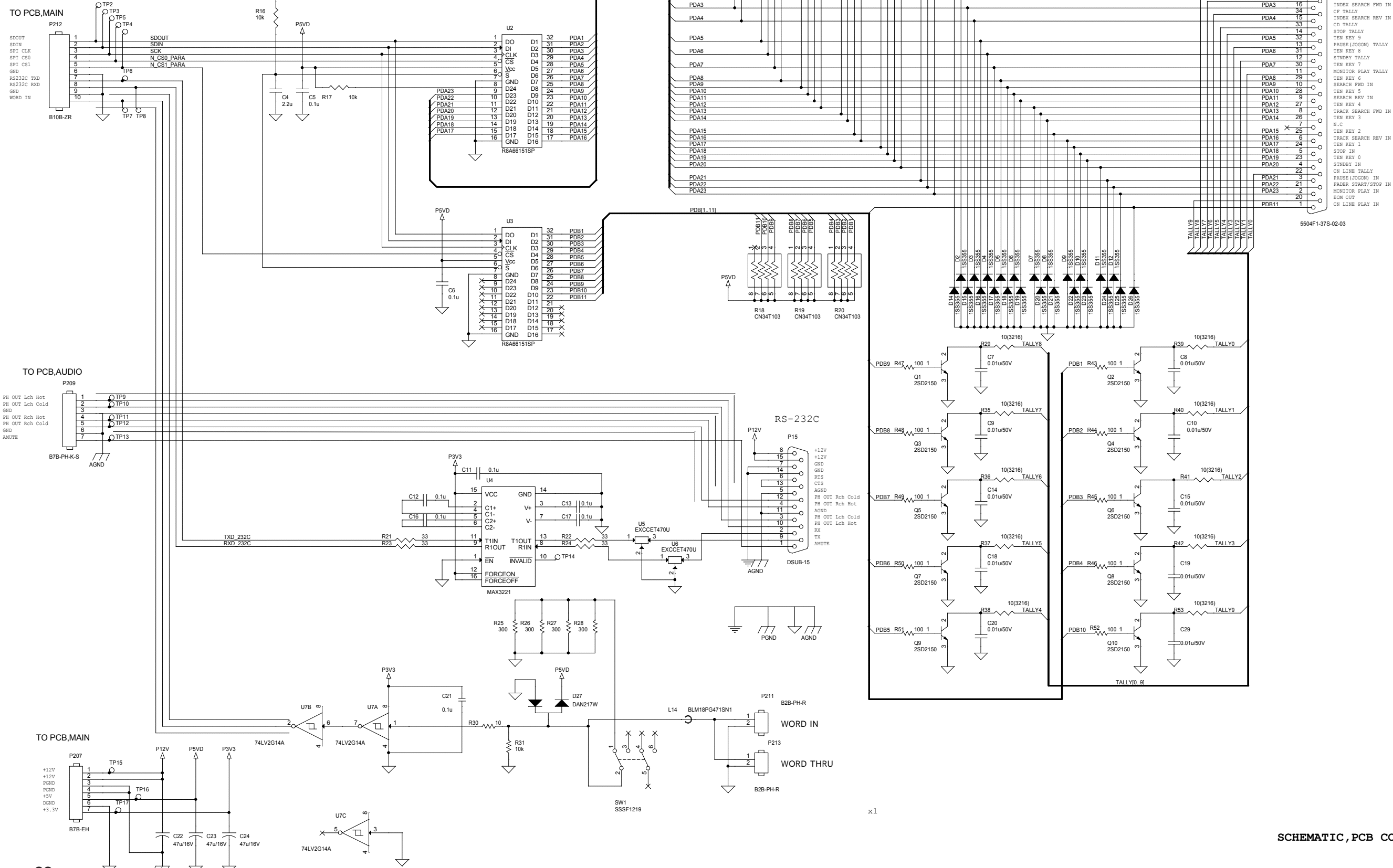
D

E

TO PCB,MAIN

TO PCB,AUDIO

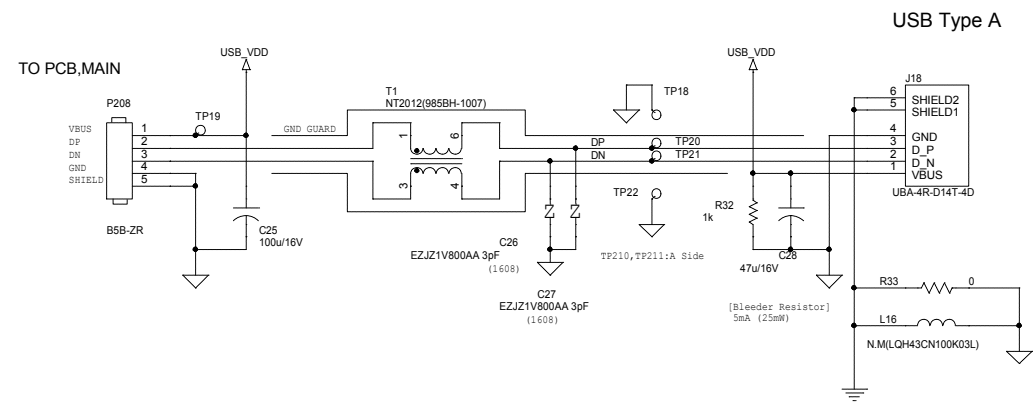
TO PCB,MAIN



1 2 3 4 5 6 7

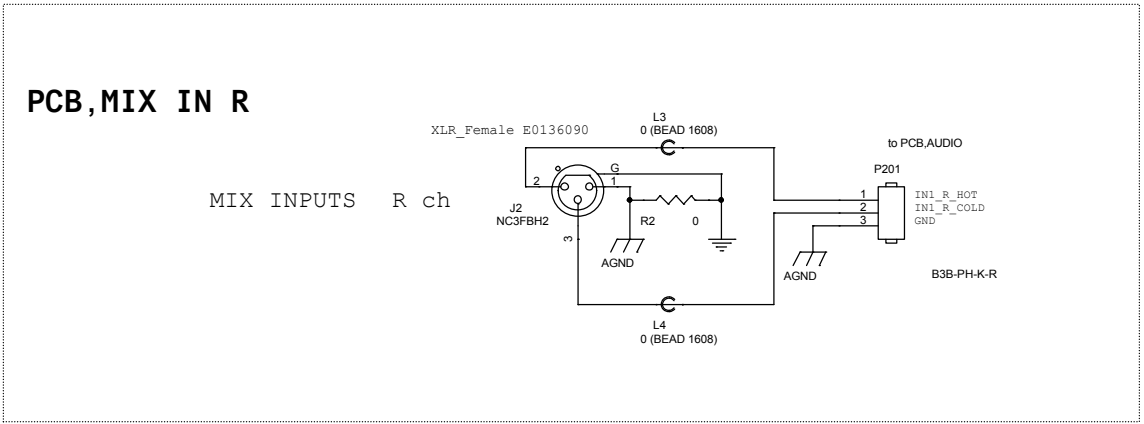
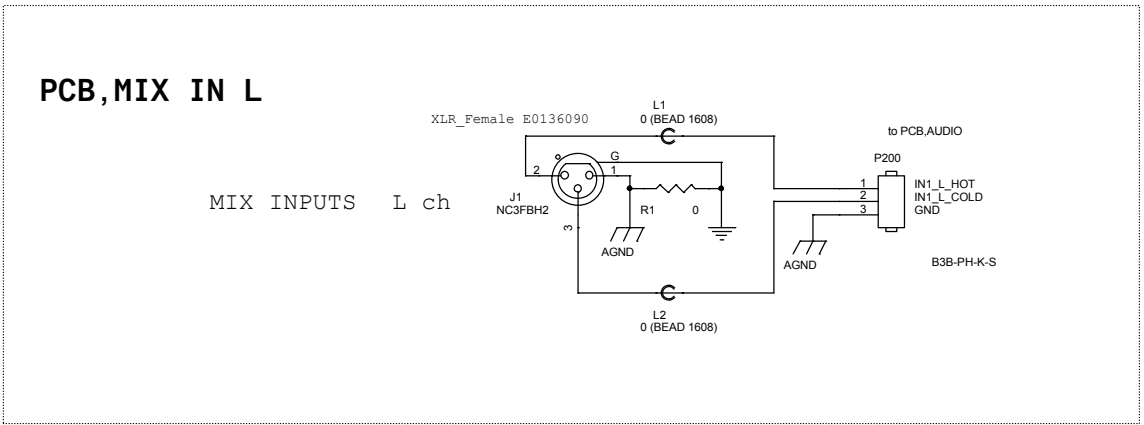
PCB, CONT (2)

A
B
C
D
E

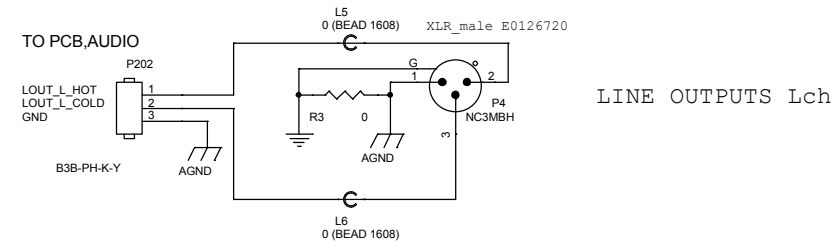


1 2 3 4 5 6 7

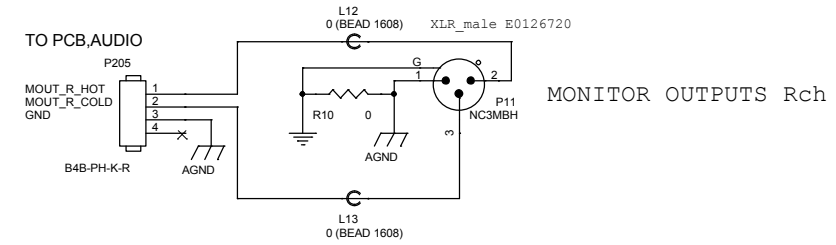
A
B
C
D
E



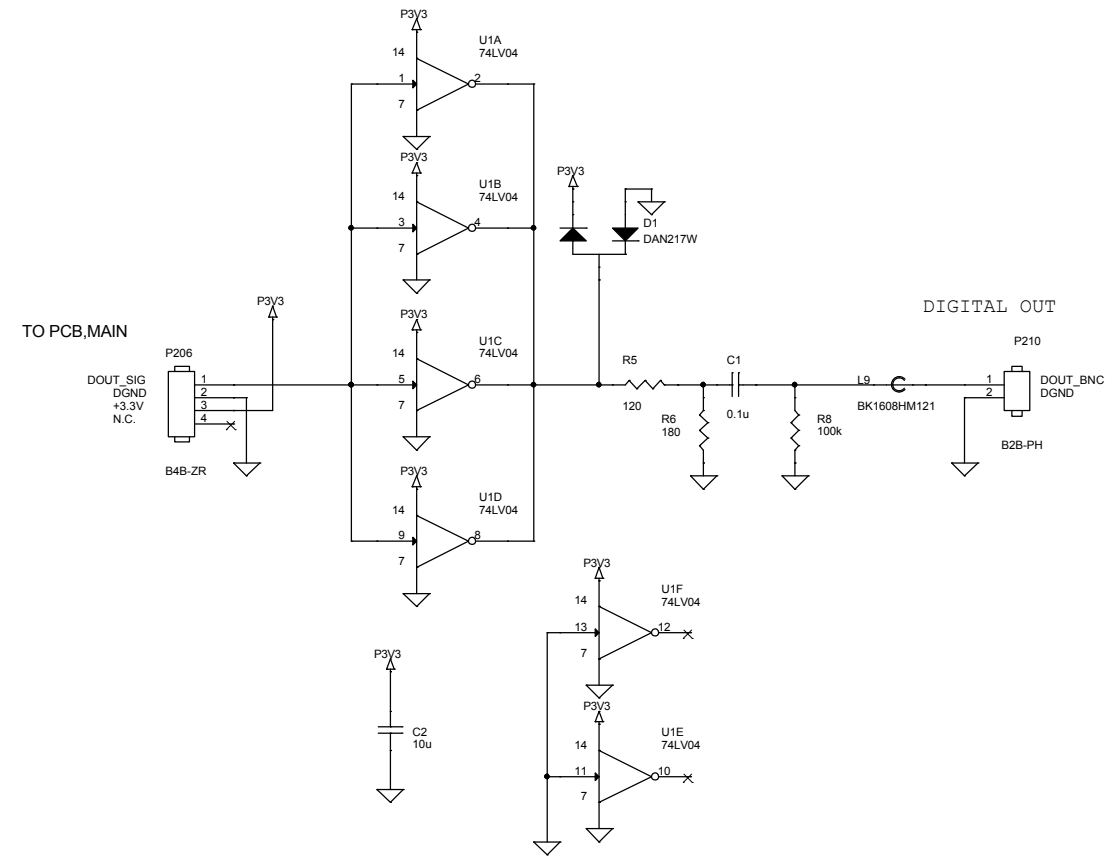
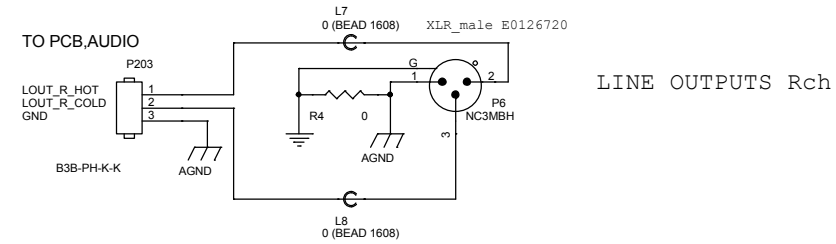
PCB,LINE OUT L



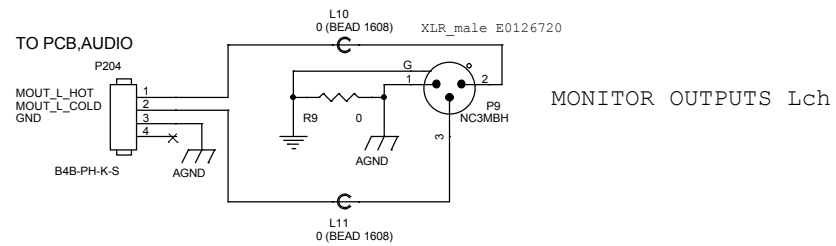
PCB,MONITOR R



PCB,LINE OUT R



PCB,MONITOR L



PCB,CONT (1)

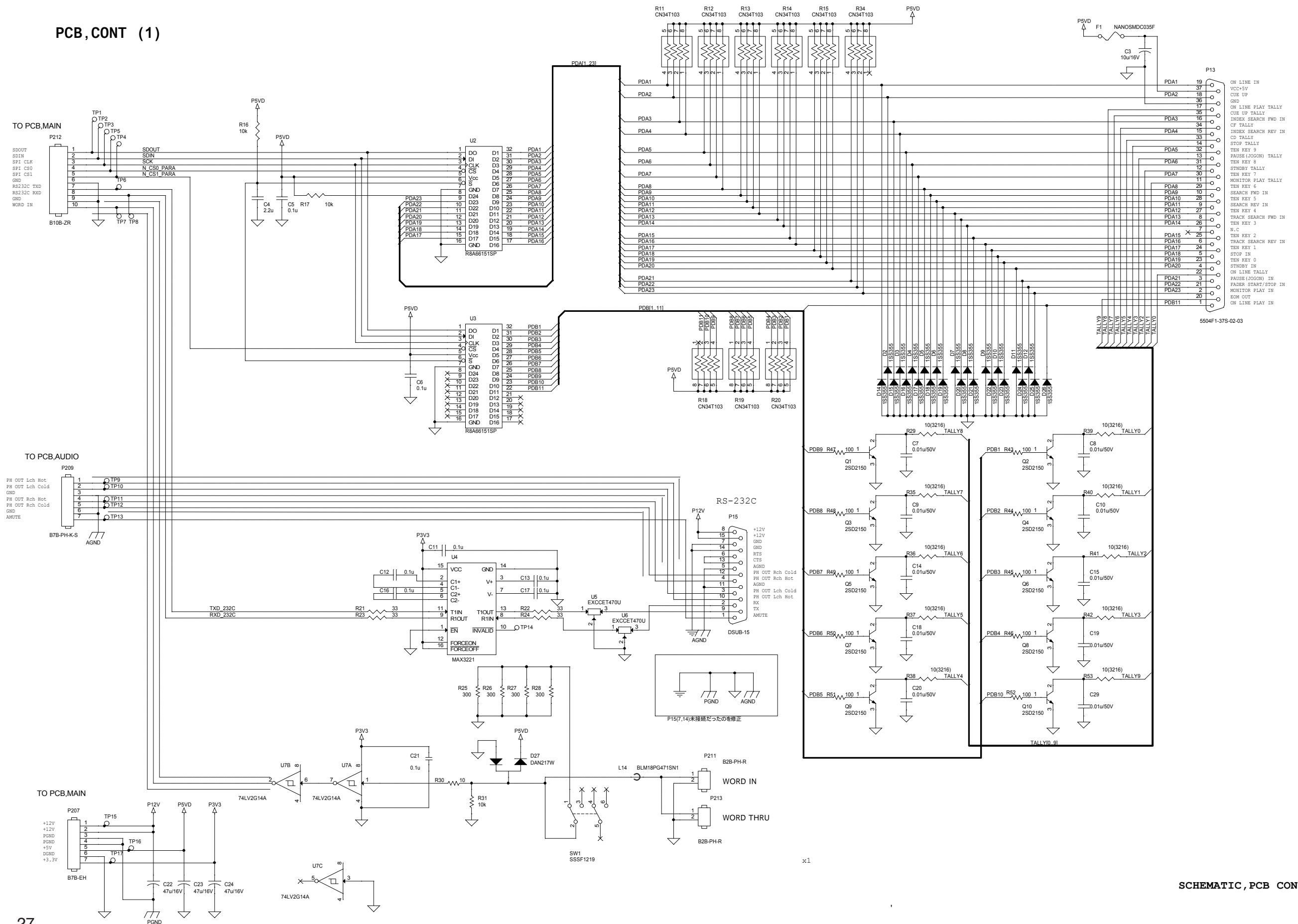
A

B

C

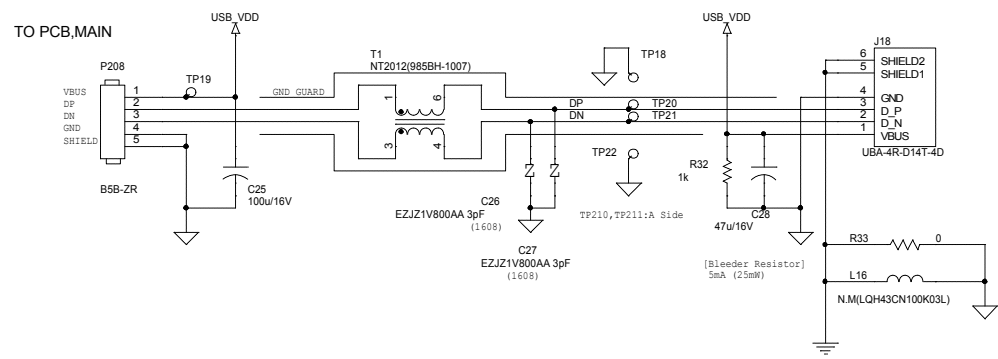
D

E



PCB, CONT (2)

USB Type A



A

B

C

D

E

1

2

3

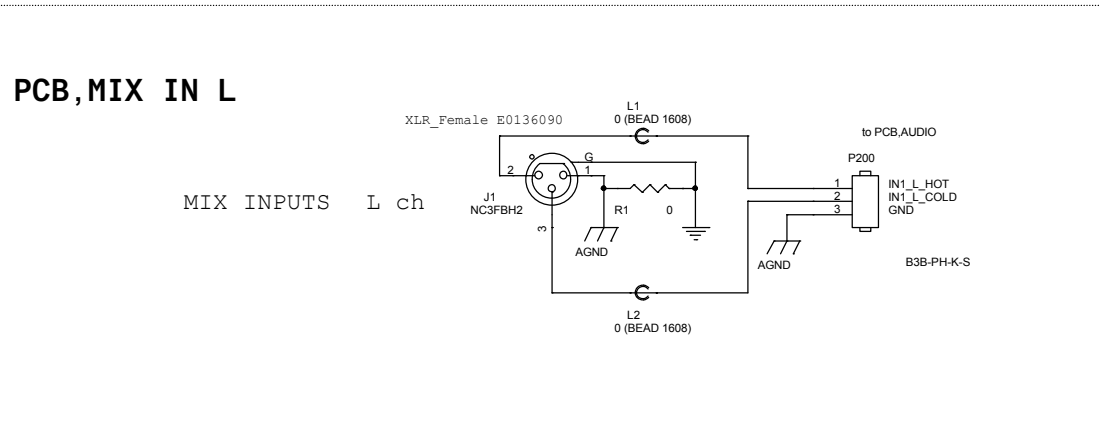
4

5

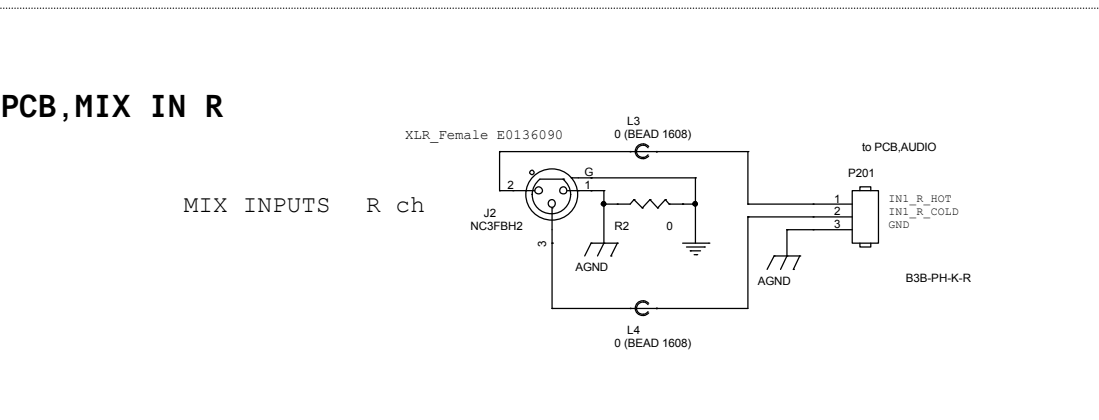
6

7

A



B

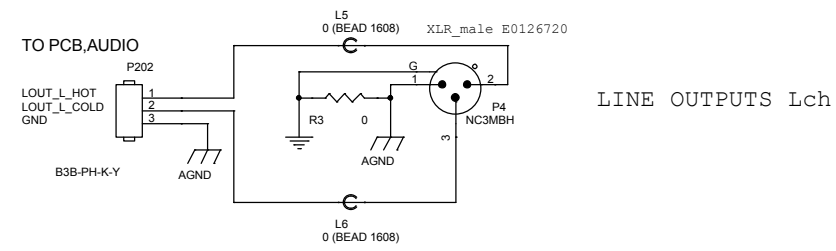


C

D

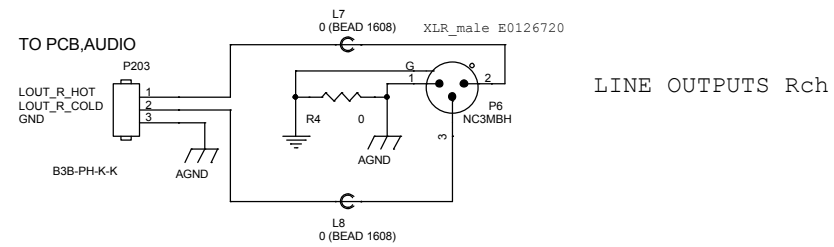
E

PCB, LINE OUT L2

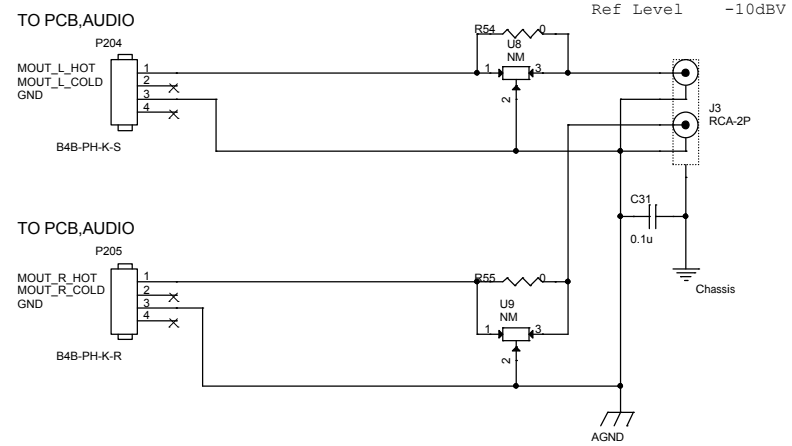


LINE OUTPUTS Lch

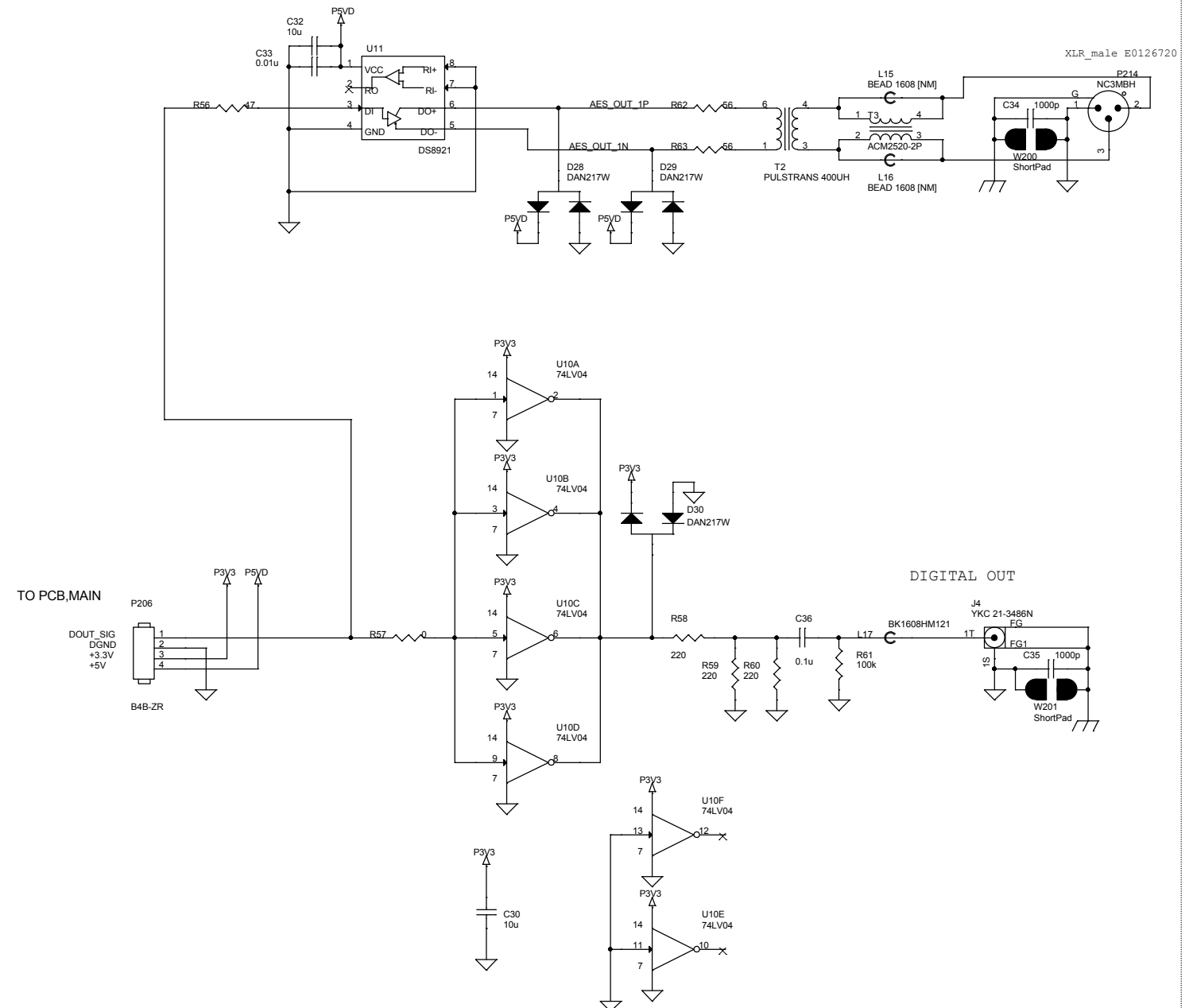
PCB, LINE OUT R2



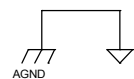
LINE OUTPUTS Rch

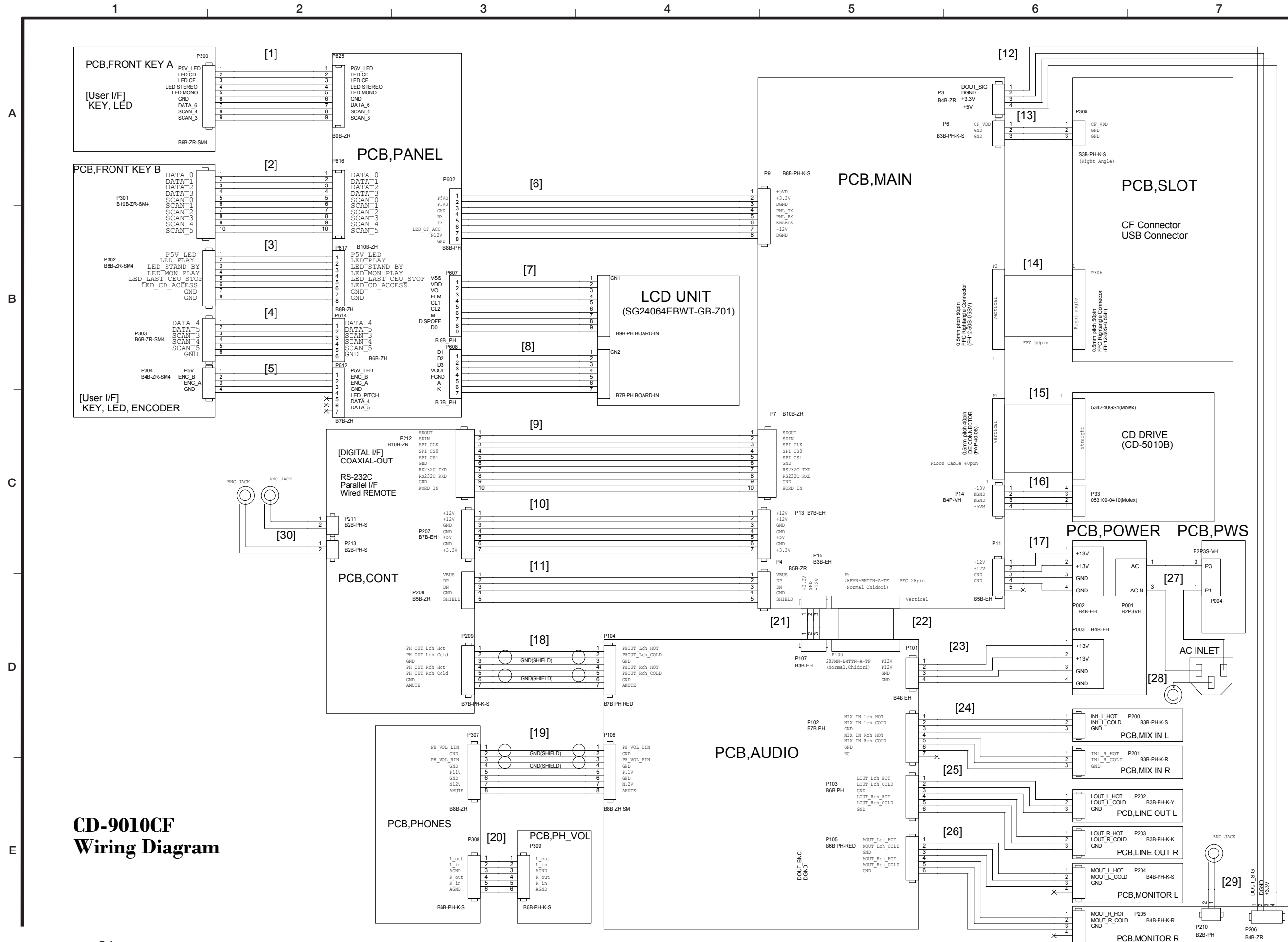


PCB, DOUT

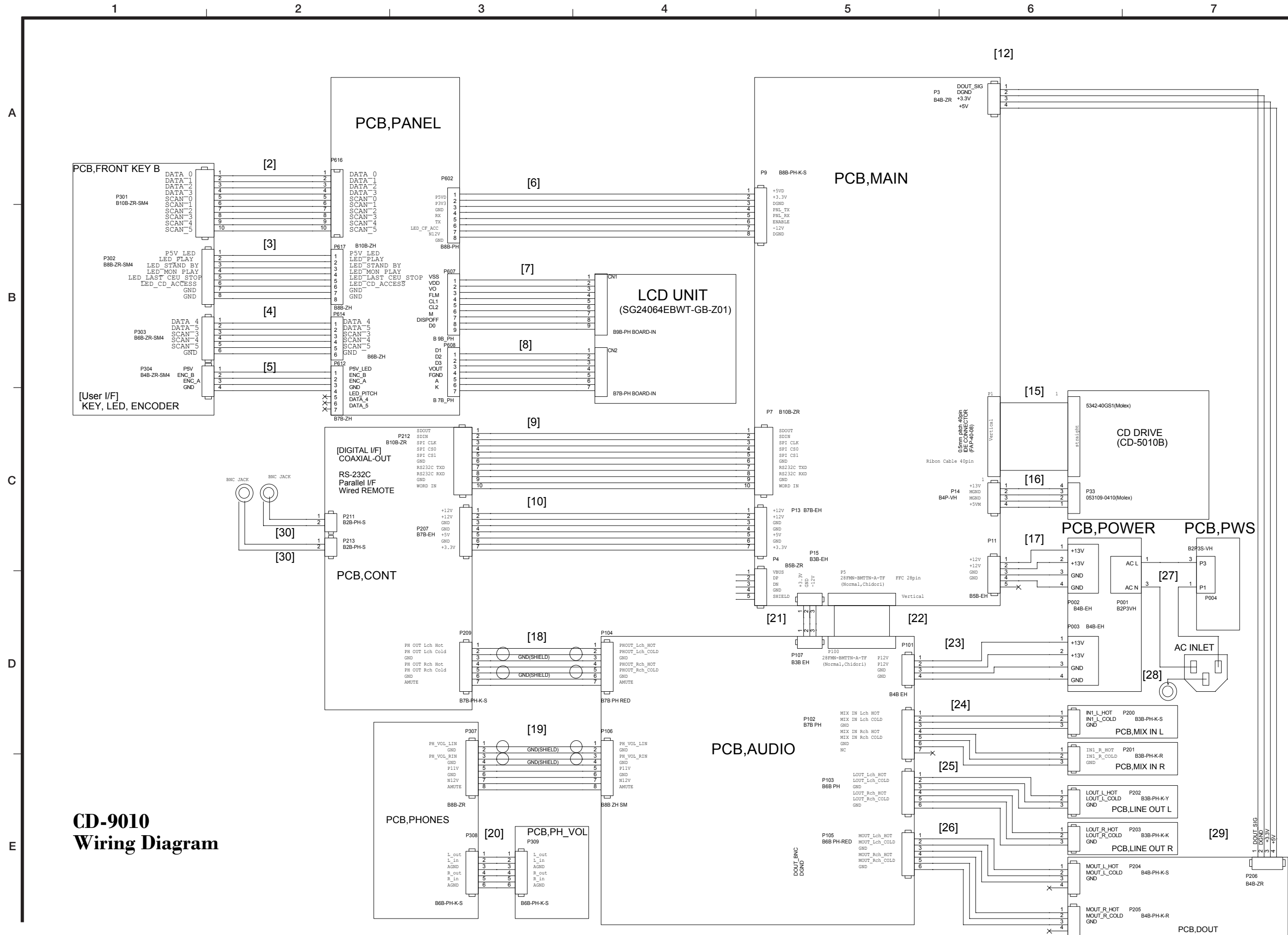


DIGITAL OUT





CD-9010CF
Wiring Diagram



CD-9010
Wiring Diagram

A

CD-9010CF Harness List

No.	Part No.	Parts name
1	E01791500A	HARN ASSY,KEY A CD9010 G
2	E01791600A	HARN ASSY,KEY B1 CD9010 G
3	E01791700A	HARN ASSY,KEY B2 CD9010 G
4	E01791800A	HARN ASSY,KEY B3 CD9010 G
5	E01791900A	HARN ASSY,KEY B4 CD9010 G
6	E01792000A	HARN ASSY,UART CD9010 G
7	E01796700A	HARN ASSY,LCD 1 RC9010 G
8	E01796800B	HARN ASSY,LCD 2 RC9010 G
9	E01792300A	HARN ASSY,SIO CD9010 G
10	E01792400A	HARN ASSY,CNT PW CD9010 G
11	E01792500A	HARN ASSY,KYBD CD9010 G
12	E01792600B	HARN ASSY,DOUT CD9010 G
13	E01792700A	HARN ASSY,CF PWR CD9010 G
14	E01792800A	FLAT CABLE,FFC50 CD9010 G
15	E01792900A	HARN ASSY,IDE80P CD9010 G
16	E01793000A	HARN ASSY,CD PWR CD9010 G
17	E01793100A	HARN ASSY,PWR1 CD9010 G
18	E01793200B	HARN ASSY,MON CD9010 G
19	E01793300A	HARN ASSY,PHONE CD9010 G
20	E01793400A	HARN ASSY,VOL CD9010 G
21	E01793500A	HARN ASSY,PWR2 CD9010 G
22	E01793600B	FLAT CABLE,FFC28 CD9010 G
23	E01793700A	HARN ASSY,PWR3 CD9010 G
24	E01793800A	HARN ASSY,MIX IN CD9010 G
25	E01793900A	HARN ASSY,LOUT CD9010 G
26	E01794000A	HARN ASSY,MOUT CD9010 G
27	E01794100A	HARN ASSY,AC CD9010 G
28	E01794200A	HARN ASSY,EARTH CD9010 G
29	E01813900A	HARN ASSY,BNCDIGIT CFQ G
30	E01814000B	HARN ASSY,BNC WORD CFQ G

CD-9010 Harness List

No.	Part No.	Parts name
2	E01791600A	HARN ASSY,KEY B1 CD9010 G
3	E01791700A	HARN ASSY,KEY B2 CD9010 G
4	E01791800A	HARN ASSY,KEY B3 CD9010 G
5	E01791900A	HARN ASSY,KEY B4 CD9010 G
6	E01792000A	HARN ASSY,UART CD9010 G
7	E01796700A	HARN ASSY,LCD 1 RC9010 G
8	E01796800B	HARN ASSY,LCD 2 RC9010 G
9	E01792300A	HARN ASSY,SIO CD9010 G
10	E01792400A	HARN ASSY,CNT PW CD9010 G
12	E01792600B	HARN ASSY,DOUT CD9010 G
15	E01792900A	HARN ASSY,IDE80P CD9010 G
16	E01793000A	HARN ASSY,CD PWR CD9010 G
17	E01793100A	HARN ASSY,PWR1 CD9010 G
18	E01793200B	HARN ASSY,MON CD9010 G
19	E01793300A	HARN ASSY,PHONE CD9010 G
20	E01793400A	HARN ASSY,VOL CD9010 G
21	E01793500A	HARN ASSY,PWR2 CD9010 G
22	E01793600B	FLAT CABLE,FFC28 CD9010 G
23	E01793700A	HARN ASSY,PWR3 CD9010 G
24	E01793800A	HARN ASSY,MIX IN CD9010 G
25	E01793900A	HARN ASSY,LOUT CD9010 G
26	E01794000A	HARN ASSY,MOUT CD9010 G
27	E01794100A	HARN ASSY,AC CD9010 G
28	E01794200A	HARN ASSY,EARTH CD9010 G
29	E01813900A	HARN ASSY,BNCDIGIT CFQ G
30	E01814000B	HARN ASSY,BNC WORD CFQ G

B

C

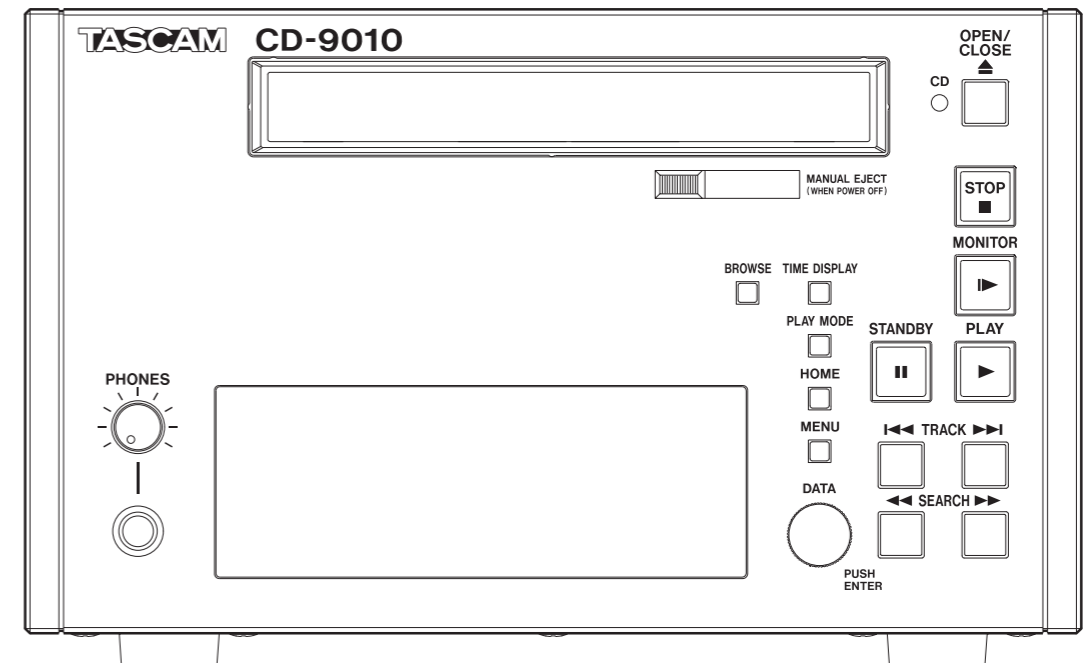
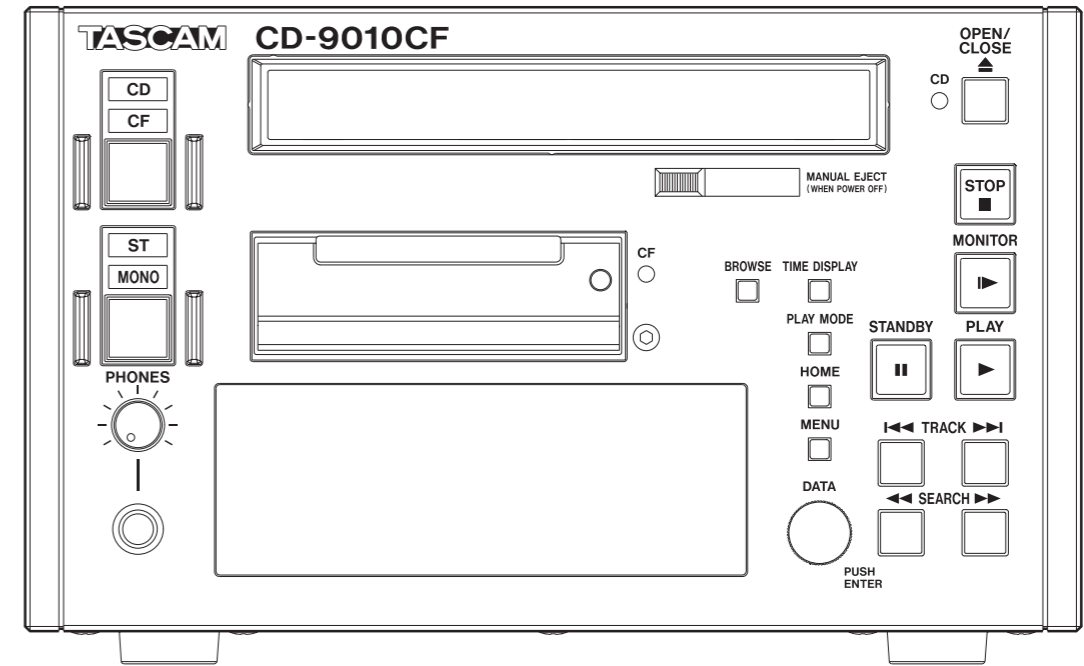
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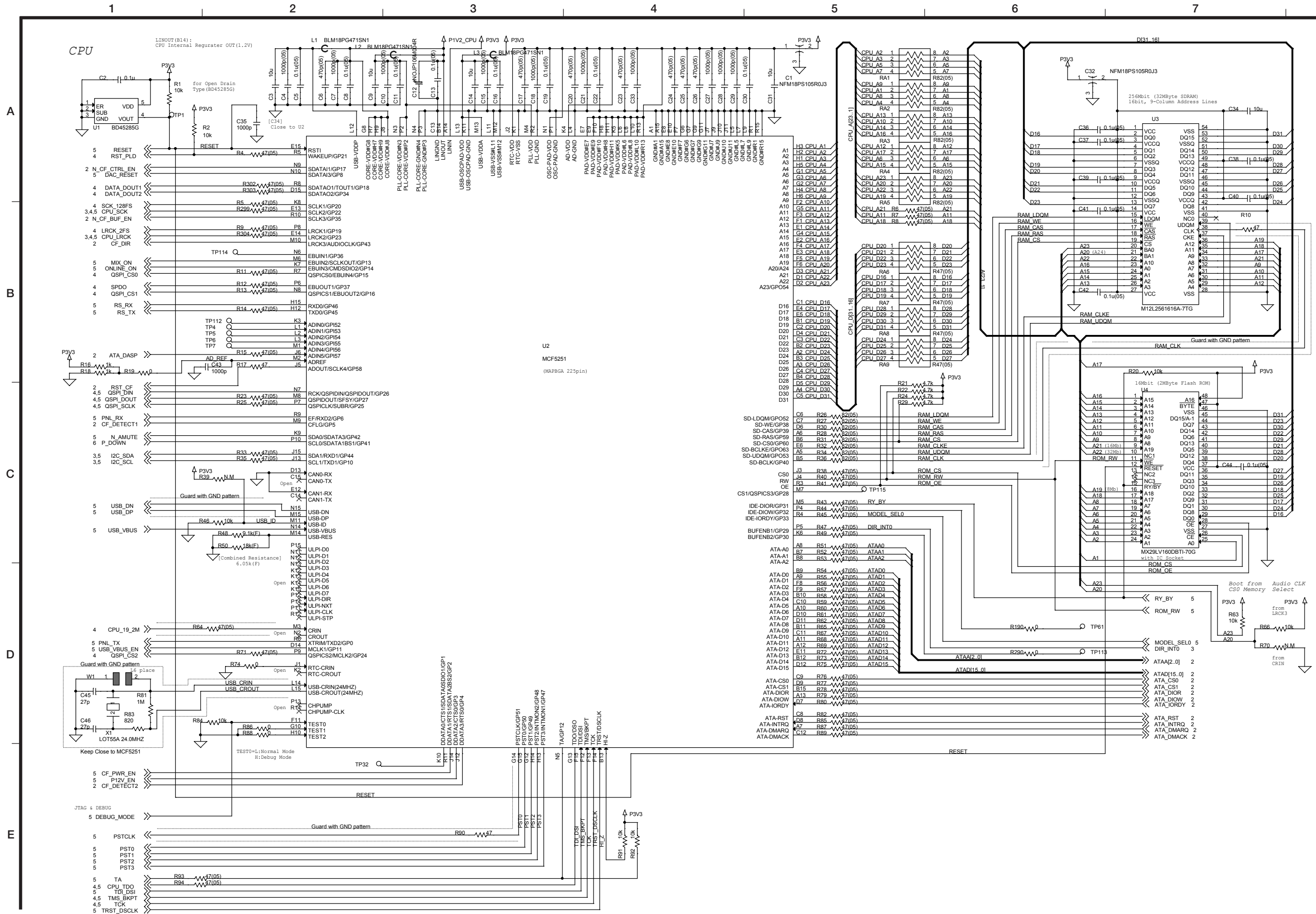
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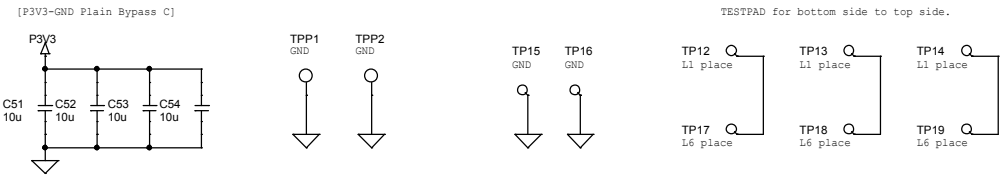
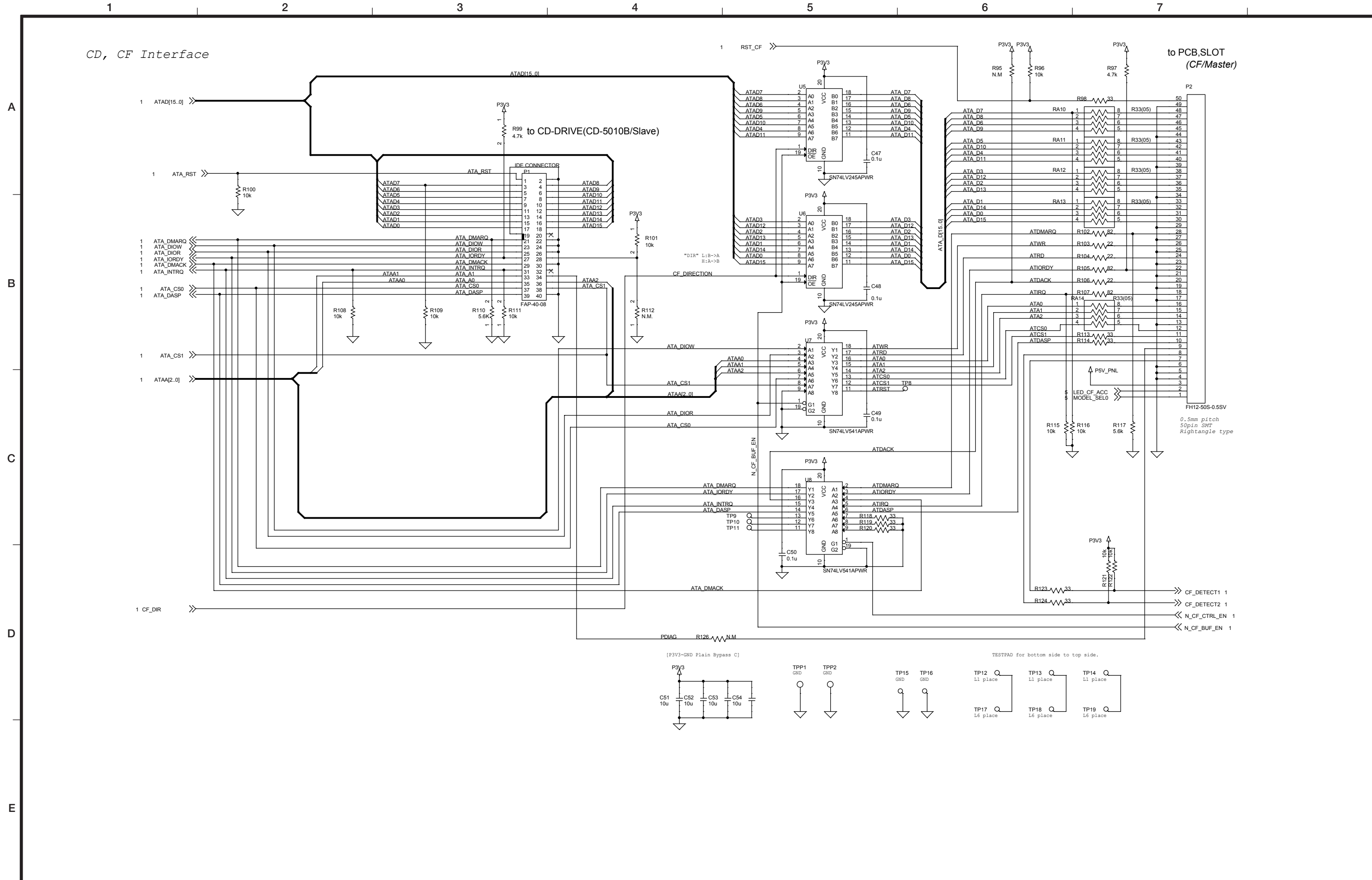
CD / Solid State Player, CD Player **CD-9010CF, CD-9010**

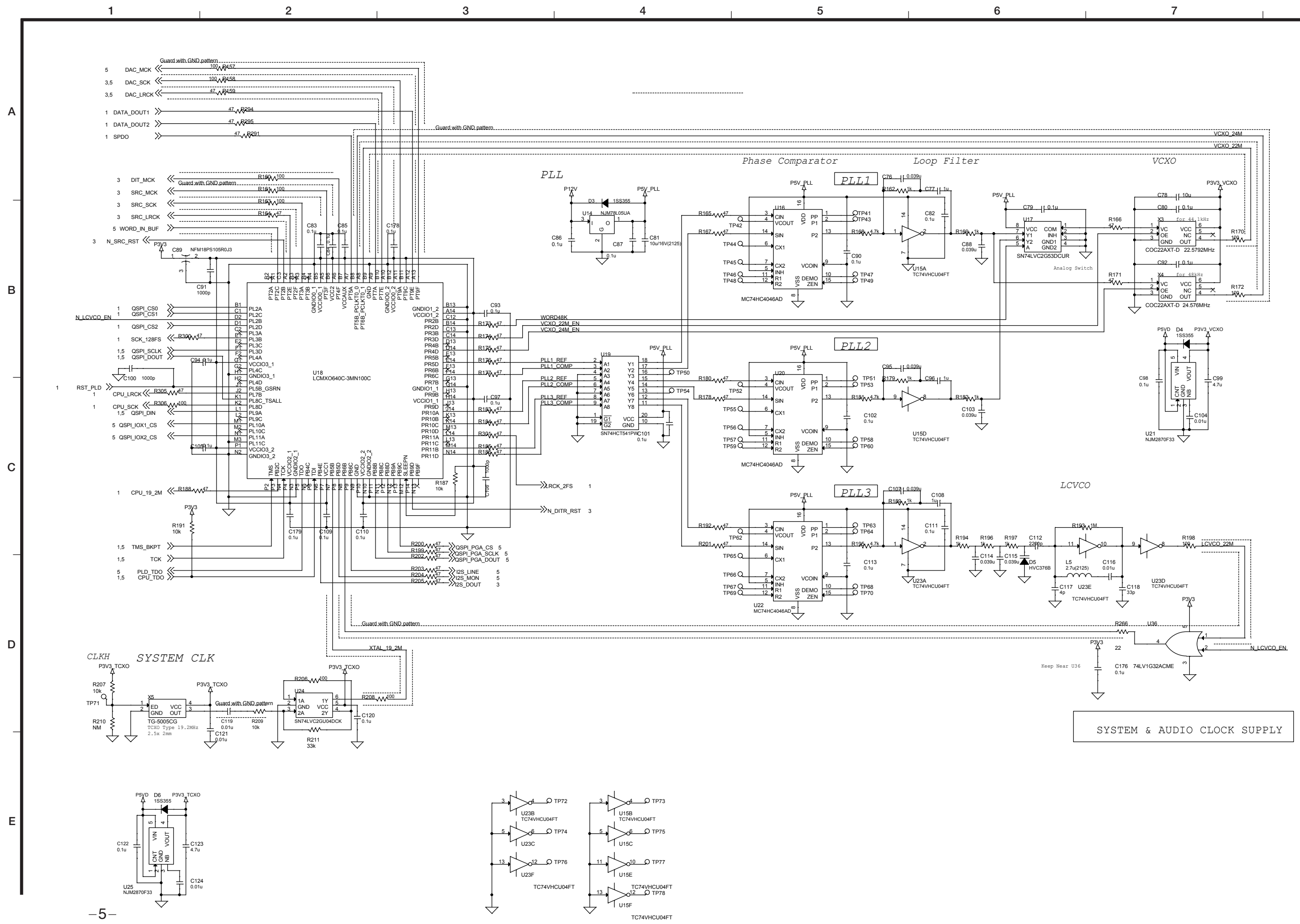
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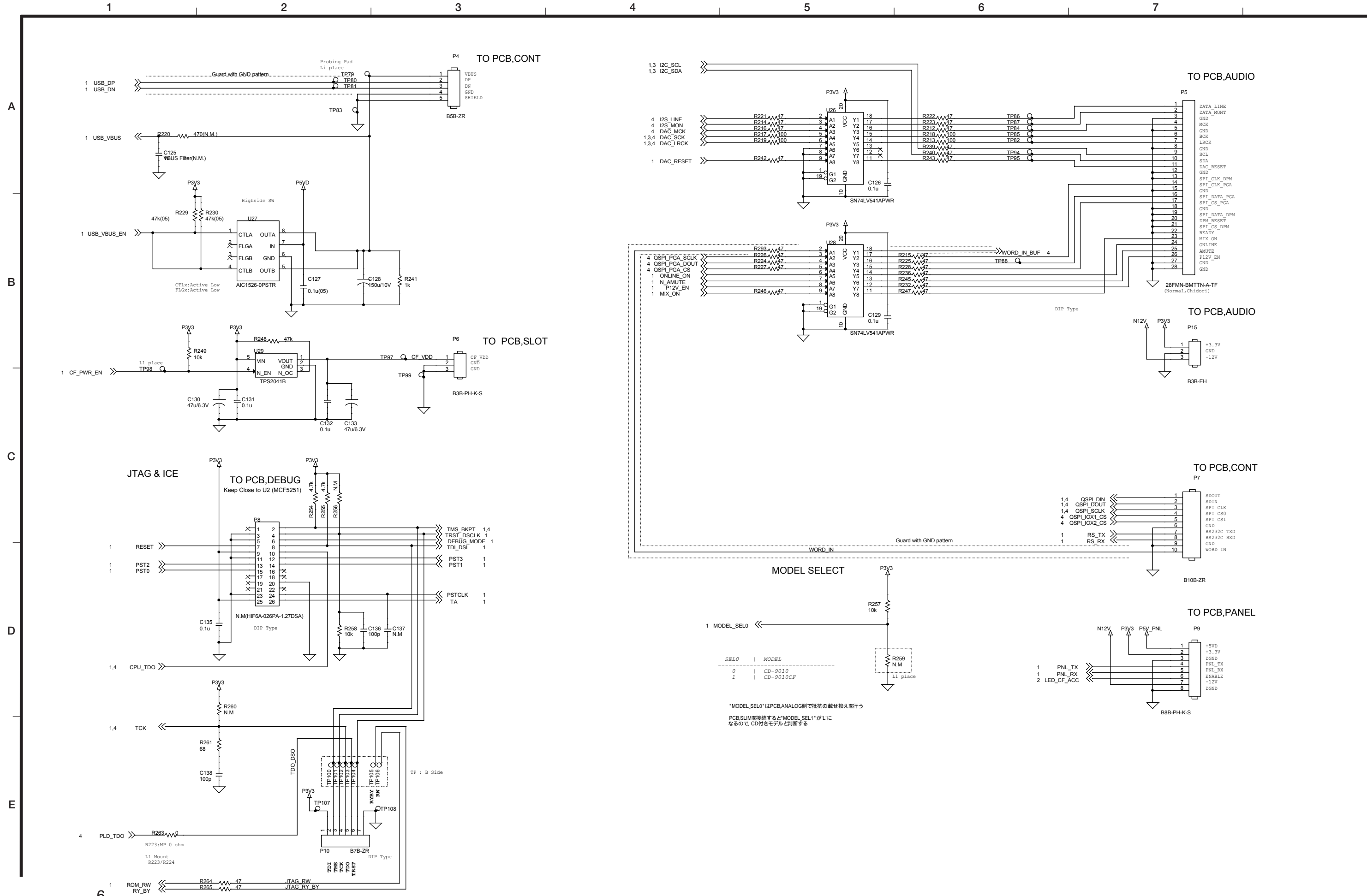
PCB MAIN (CPU)	(1/6)	2
PCB MAIN (ATA/CF)	(2/6)	3
PCB MAIN (DIGITAL OUT)	(3/6)	4
PCB MAIN (PLL)	(4/6)	5
PCB MAIN (OTHERS)	(5/6)	.....	6
PCB MAIN (POWER)	(6/6)	.....	7
PCB PANEL (CPU)	(1/3)	.....	8
PCB PANEL (PLD/LCD)	(2/3)	.....	9
PCB PANEL (LED CONTROL)	(3/3)	.....	10
PCB AUDIO (IO&POWER)	(1/6)	.....	11
PCB AUDIO (MIX IN)	(2/6)	.....	12
PCB AUDIO (DAC LINE)	(3/6)	.....	13
PCB AUDIO (DAC MON)	(4/6)	.....	14
PCB AUDIO (LINE OUT)	(5/6)	.....	15
PCB AUDIO (MON OUT)	(6/6)	.....	16
PCB FRONT KEY A		.....	17
PCB FRONT KEY B		.....	18
PCB PHONES		19
PCB VOL		20
PCB POWER		21
PCB SLOT		22
PCB CONT IO (1/2)		23
PCB CONT IO (2/2)		24
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PCB MIX IN L2 / R2		29
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CD-9010 Wiring Diagram		32





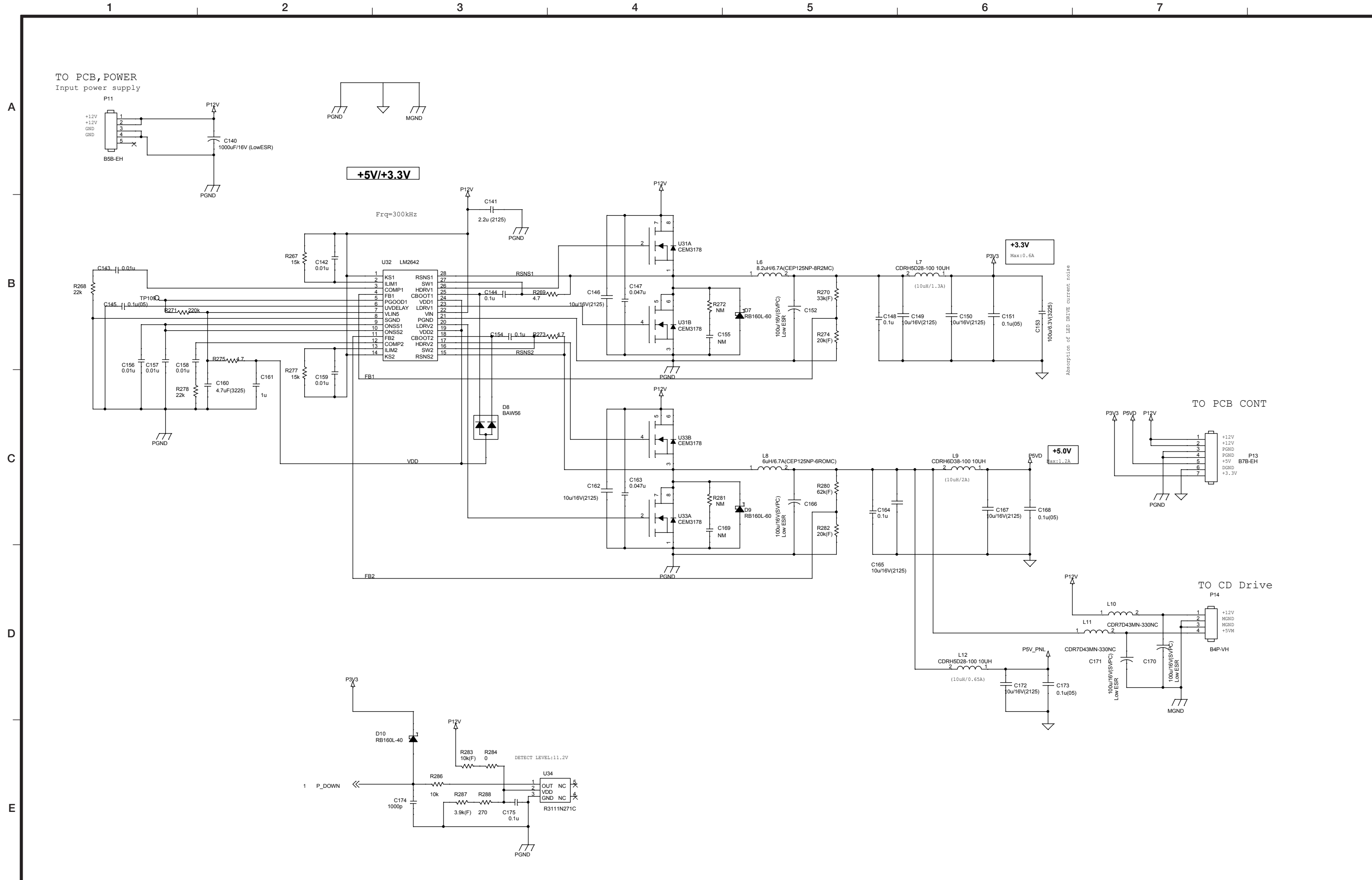






SEL0	MODEL
0	CD-9010
1	CD-9010CF

*MODEL_SEL0*はPCBANALOG側で抵抗の置き換えを行う
PCB SLIMを接続するとMODEL_SEL1*がL1になるため、CD付きモデルと判断する



Absorption of LED DRIVE current noise

A
B
C
D
E

1 2 3 4 5 6 7

TO PCB, POWER
Input power supply

+5V/+3.3V

+3.3V
Max: 0.6A

+5.0V
Max: 1.2A

TO PCB CONT

TO CD Drive

1 2 3 4 5 6 7

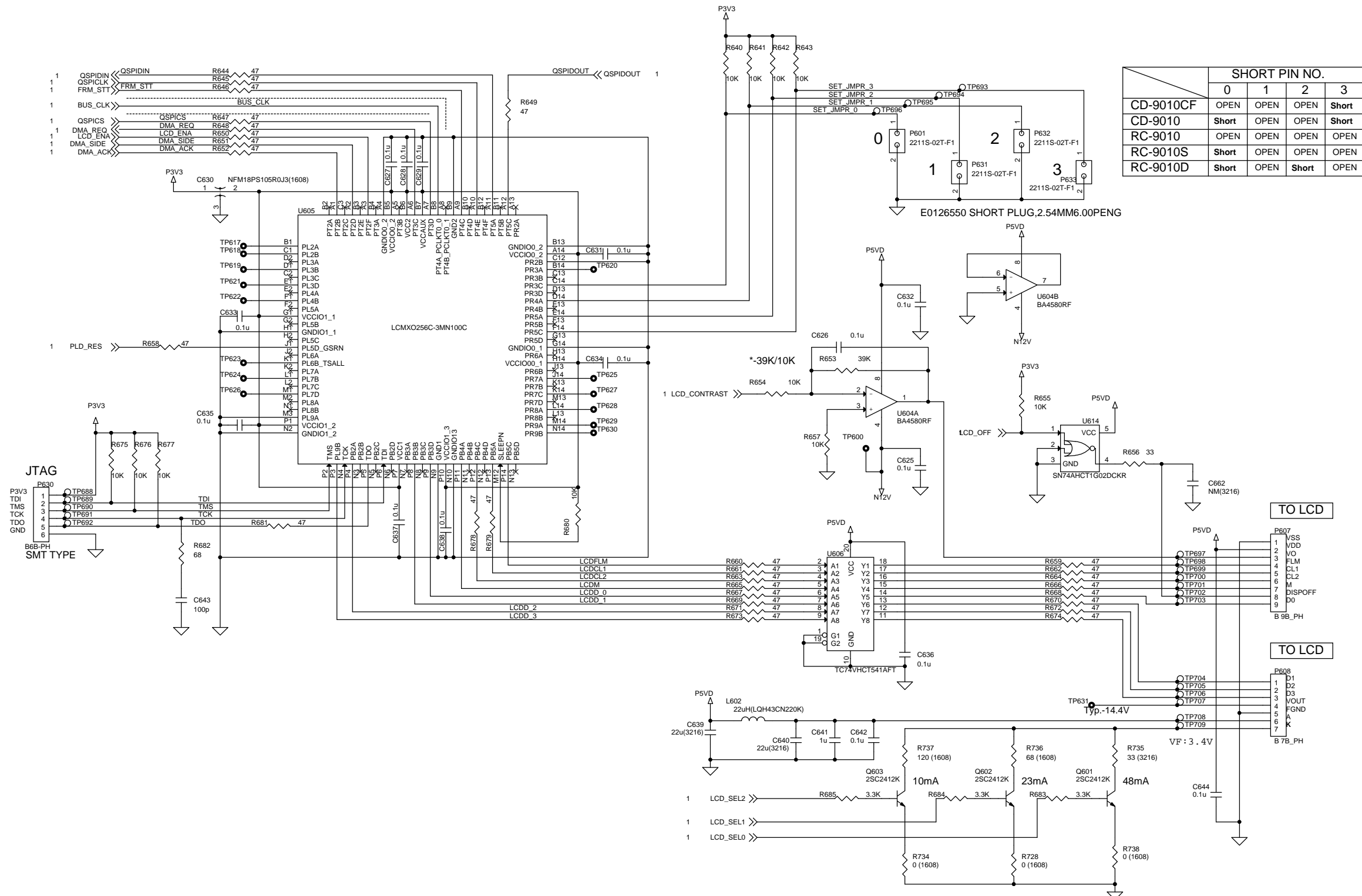
A

B

C

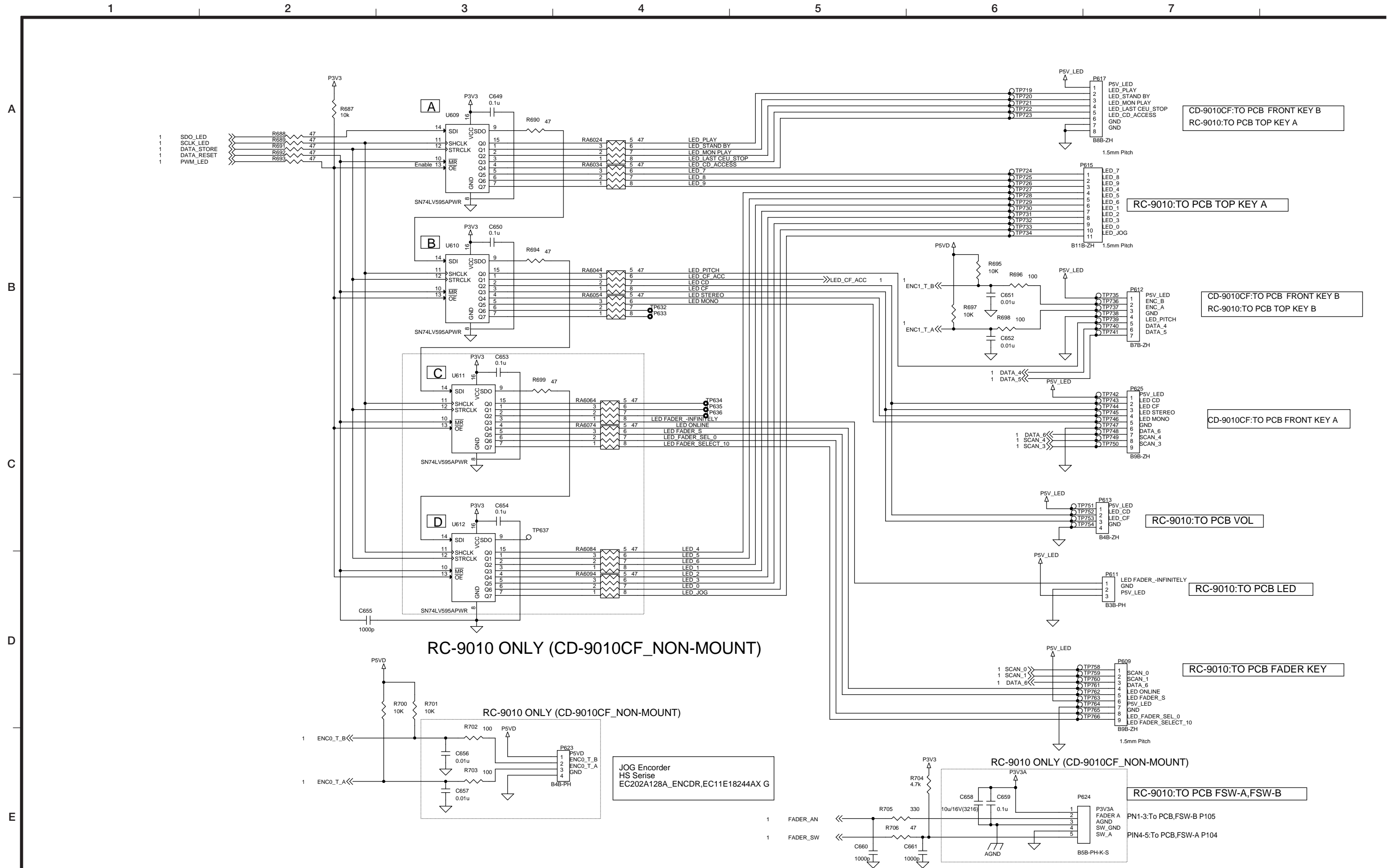
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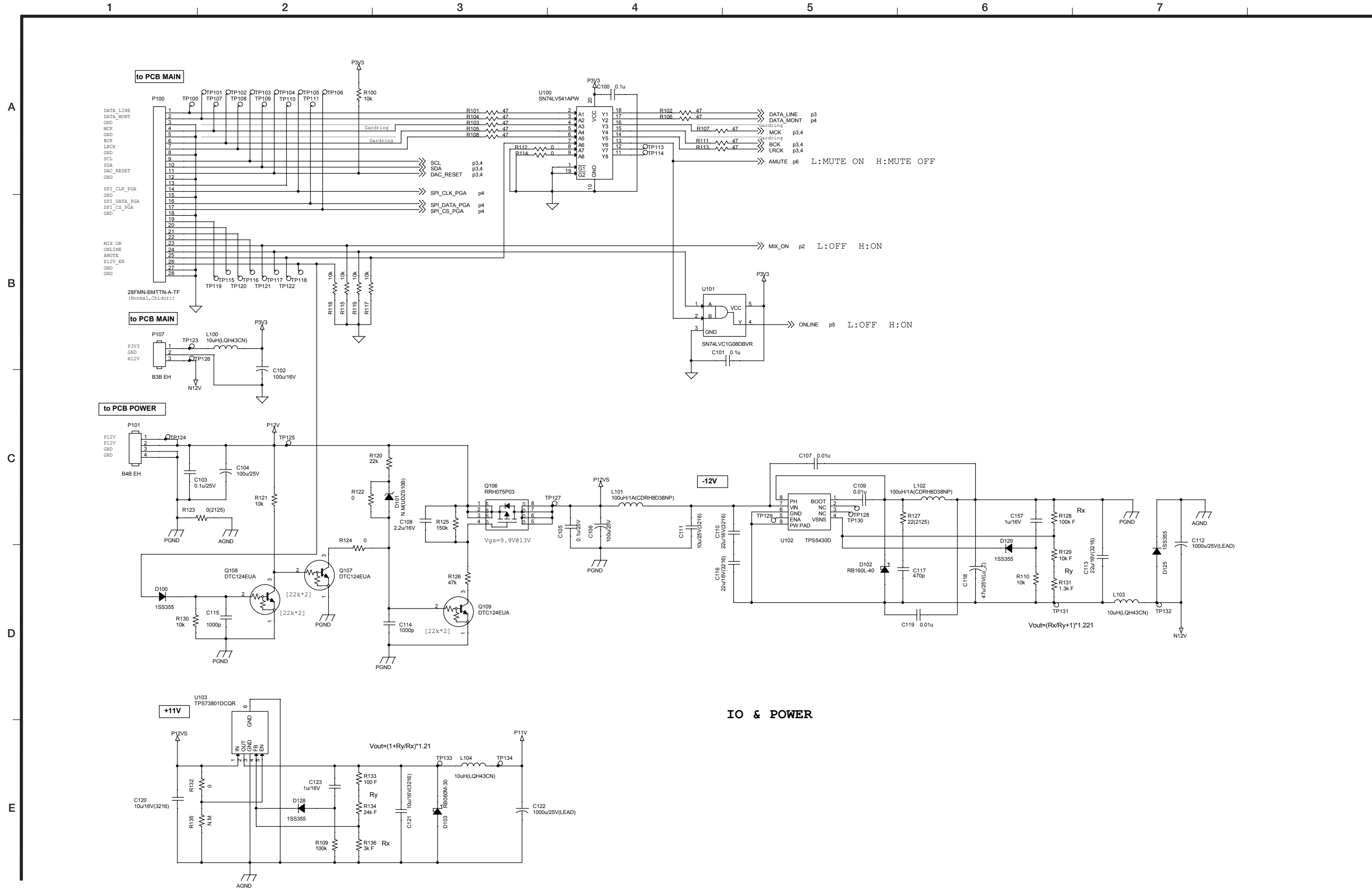
E



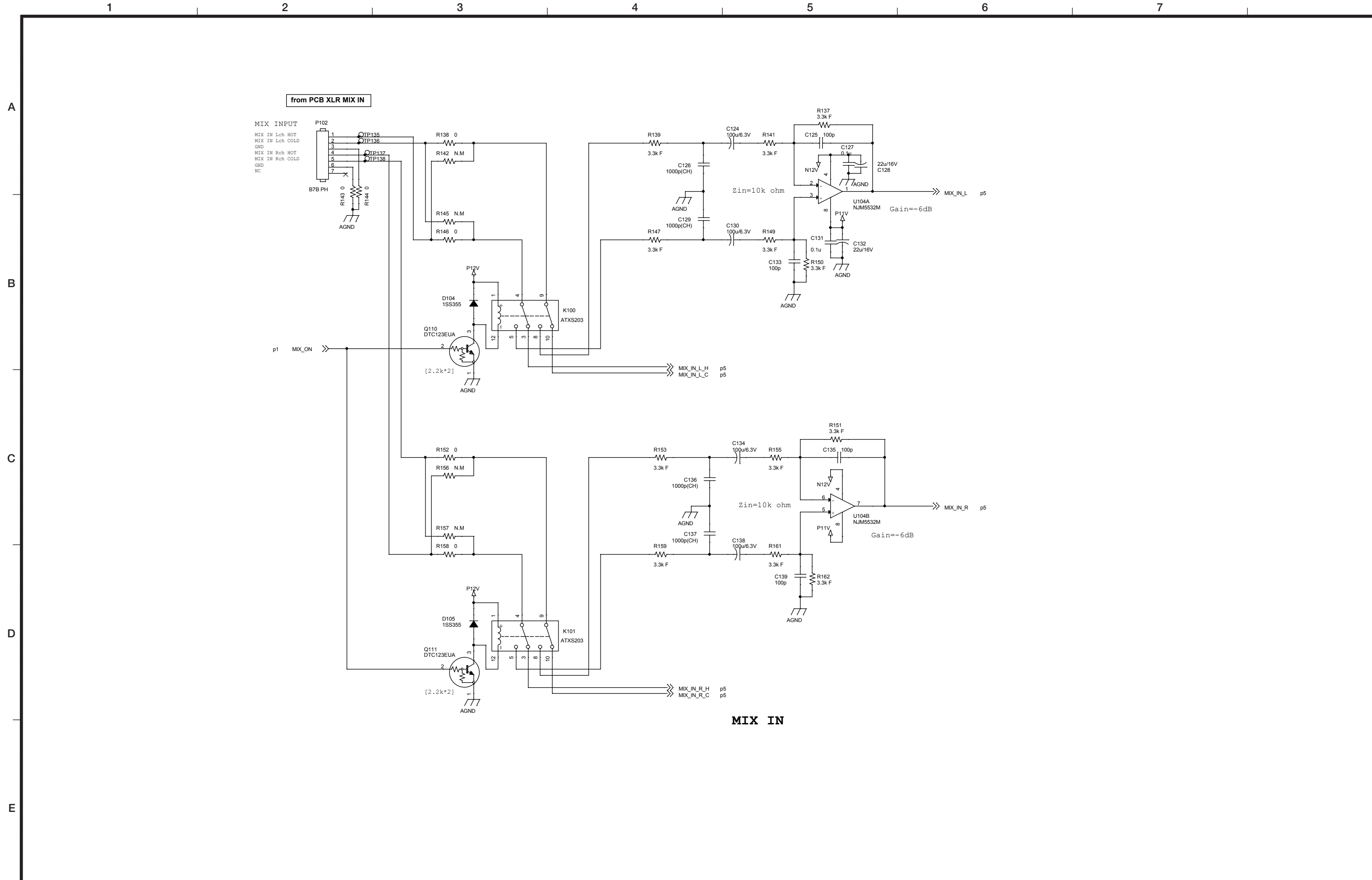
	SHORT PIN NO.			
	0	1	2	3
CD-9010CF	OPEN	OPEN	OPEN	Short
CD-9010	Short	OPEN	OPEN	Short
RC-9010	OPEN	OPEN	OPEN	OPEN
RC-9010S	Short	OPEN	OPEN	OPEN
RC-9010D	Short	OPEN	Short	OPEN

PLD





IO & POWER



1 2 3 4 5 6 7

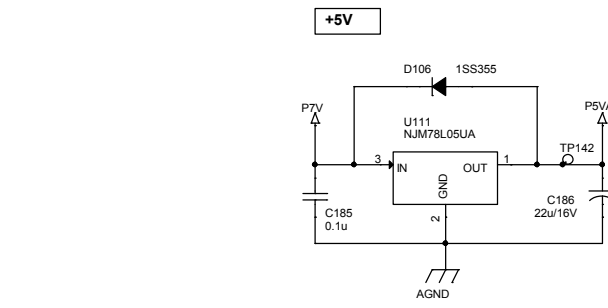
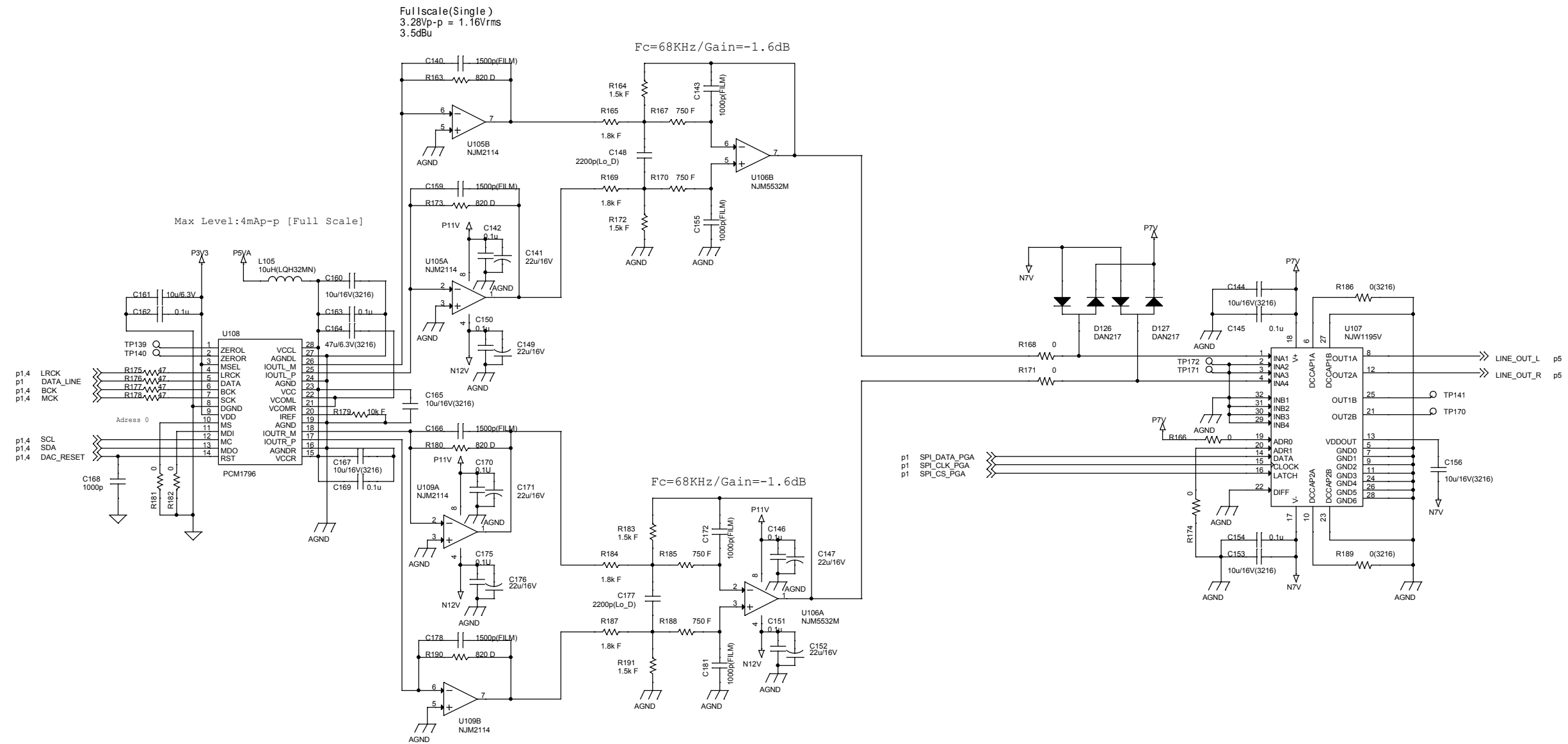
A

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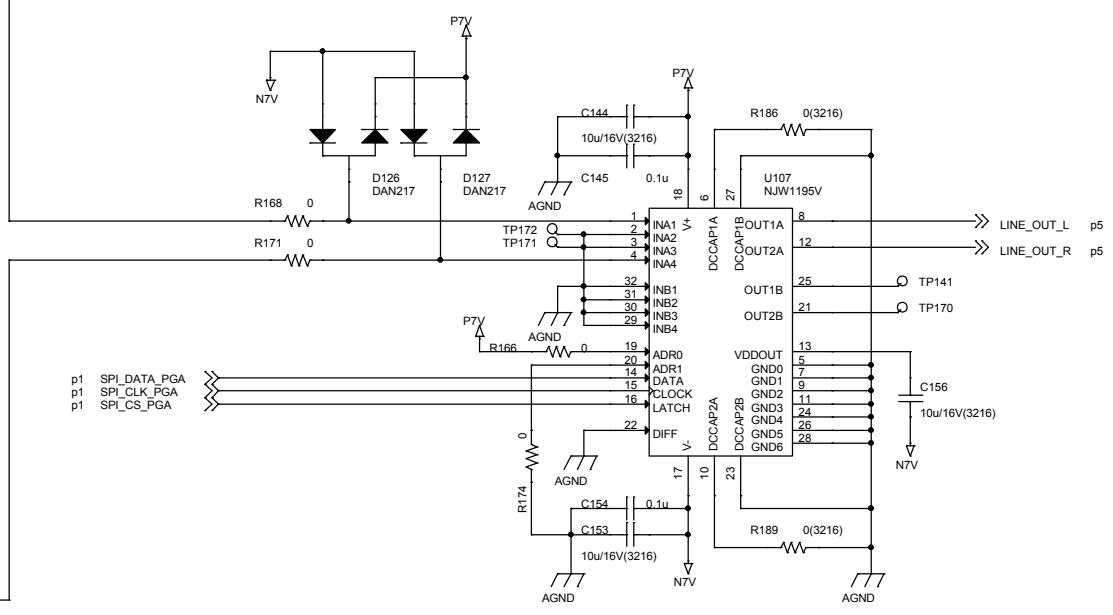
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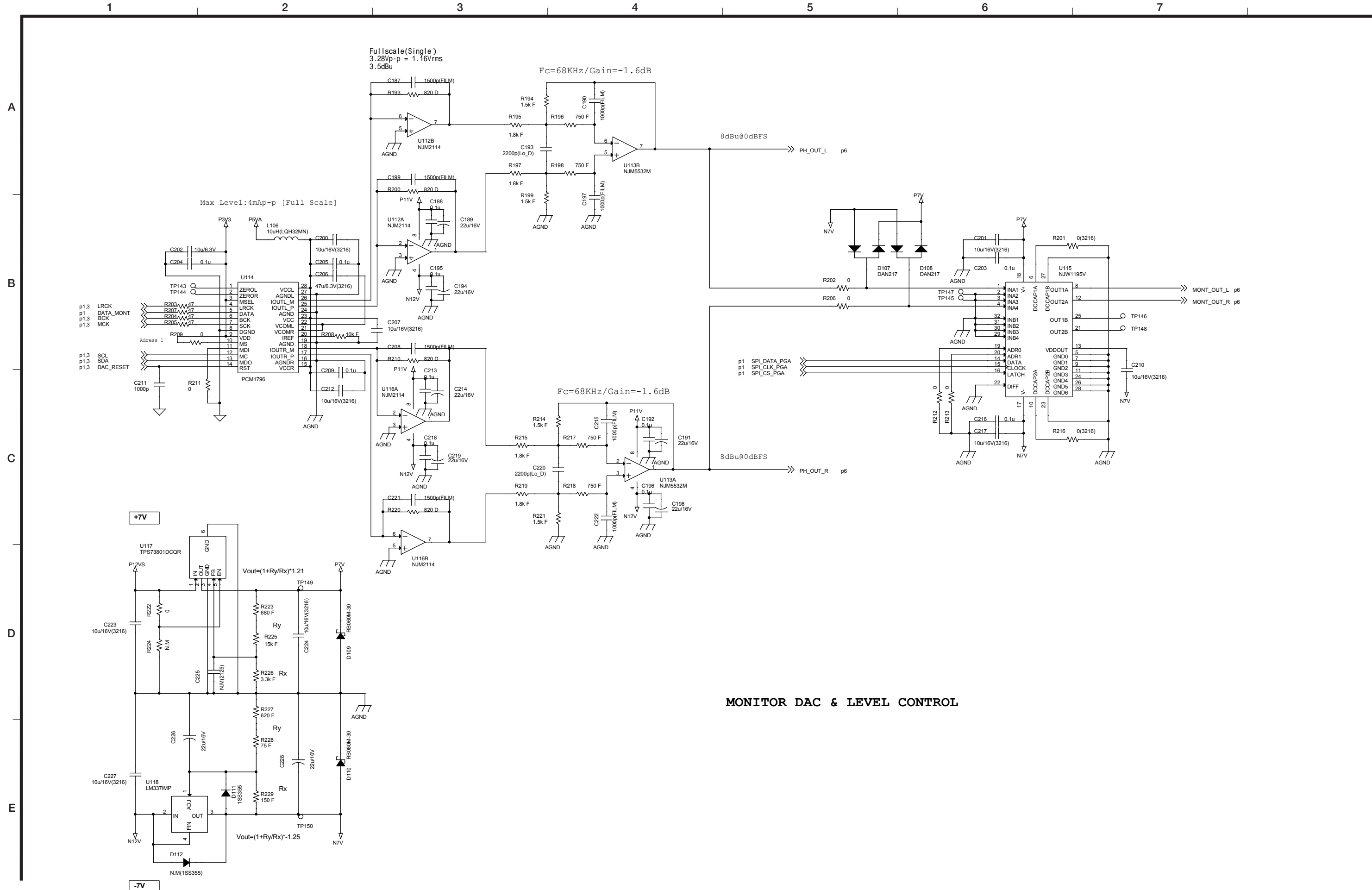
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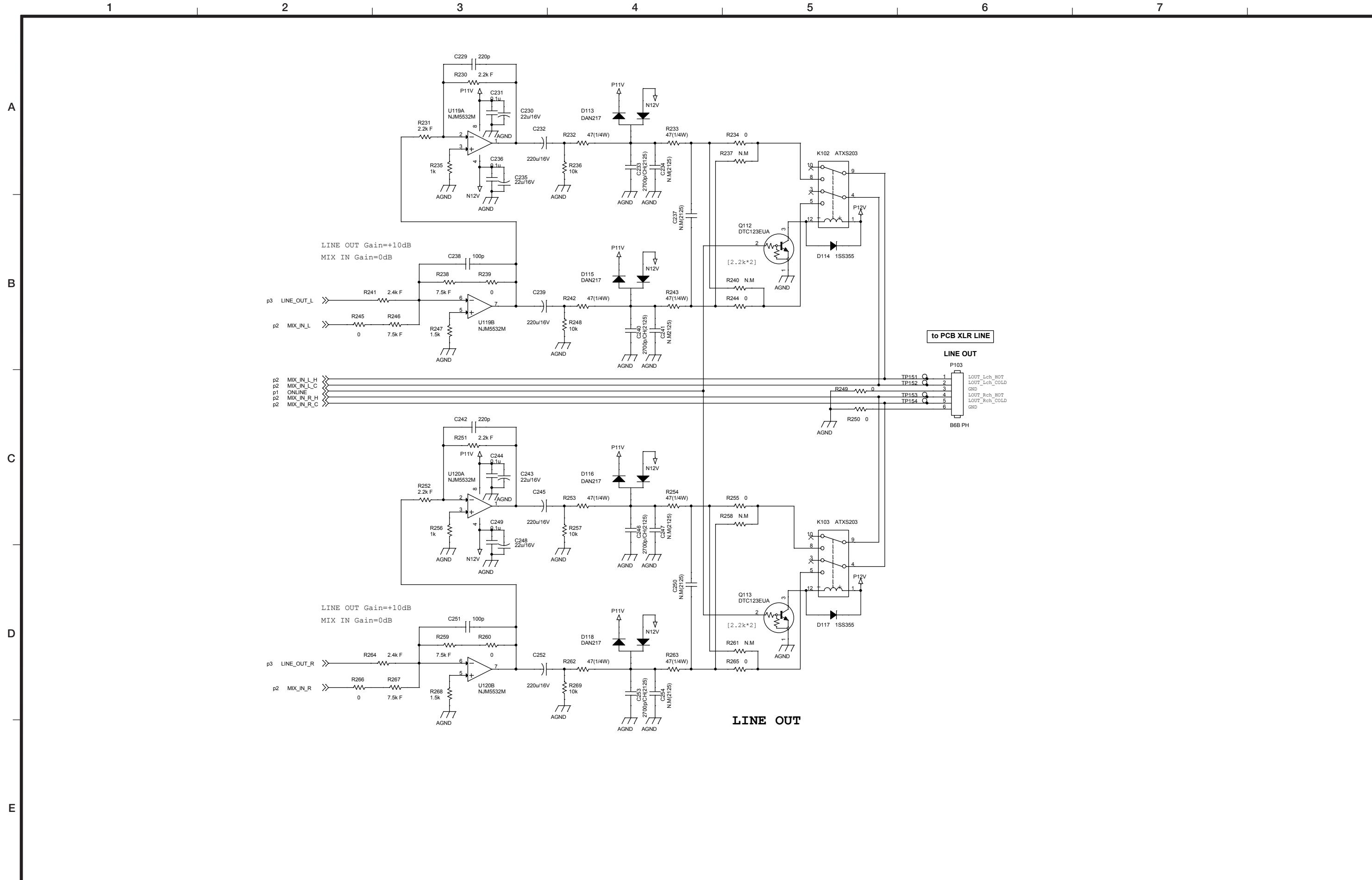


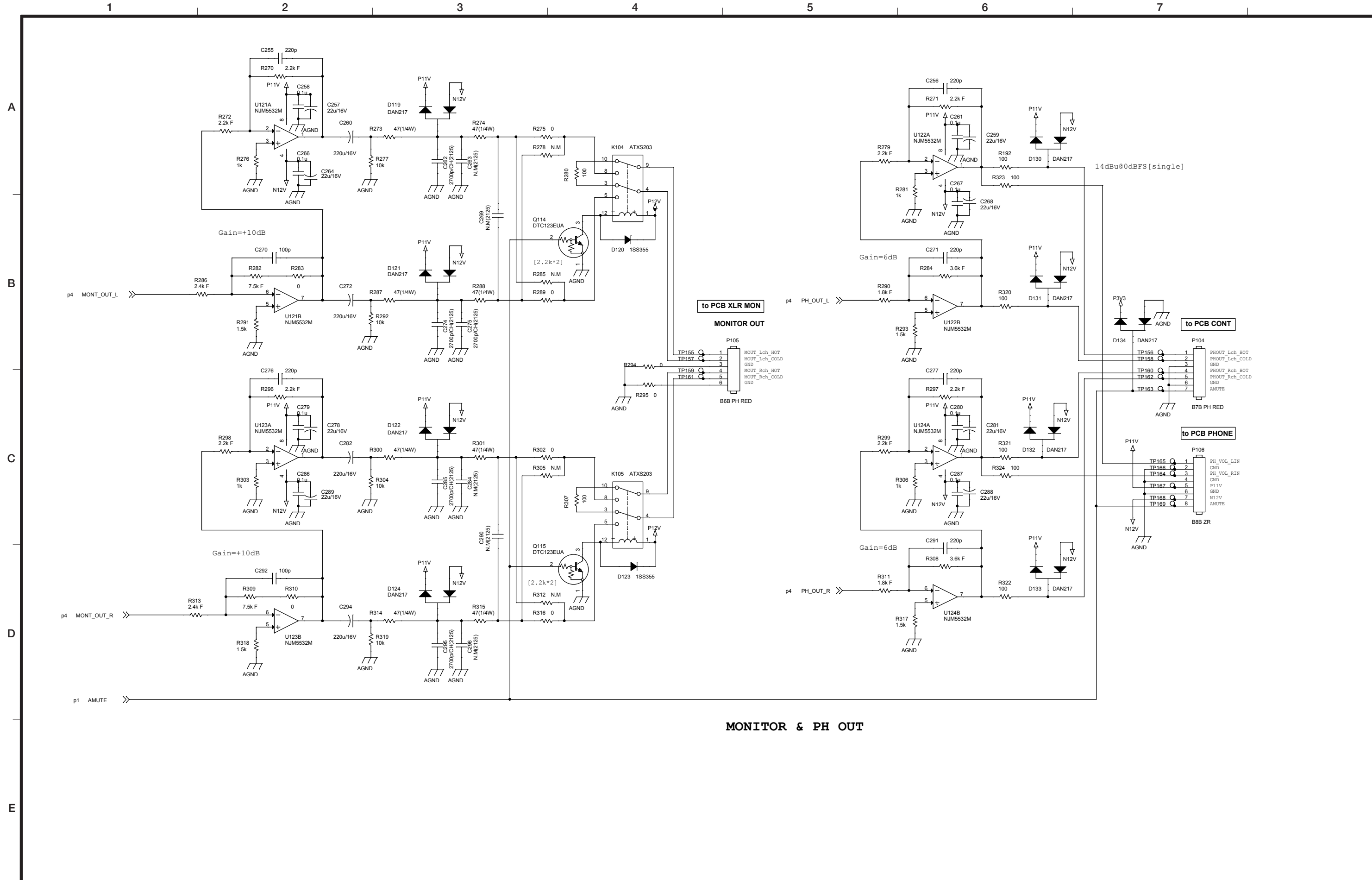
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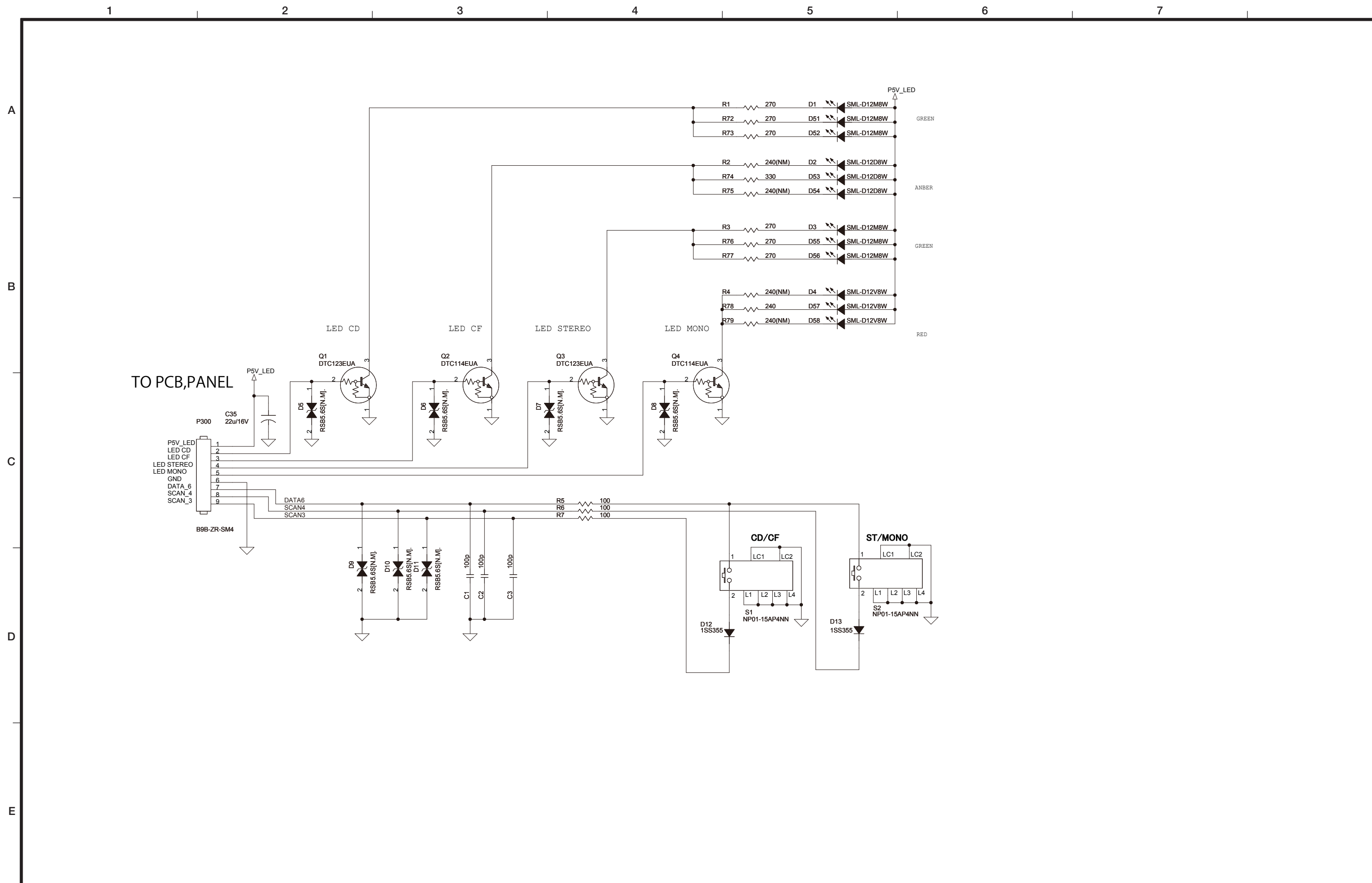


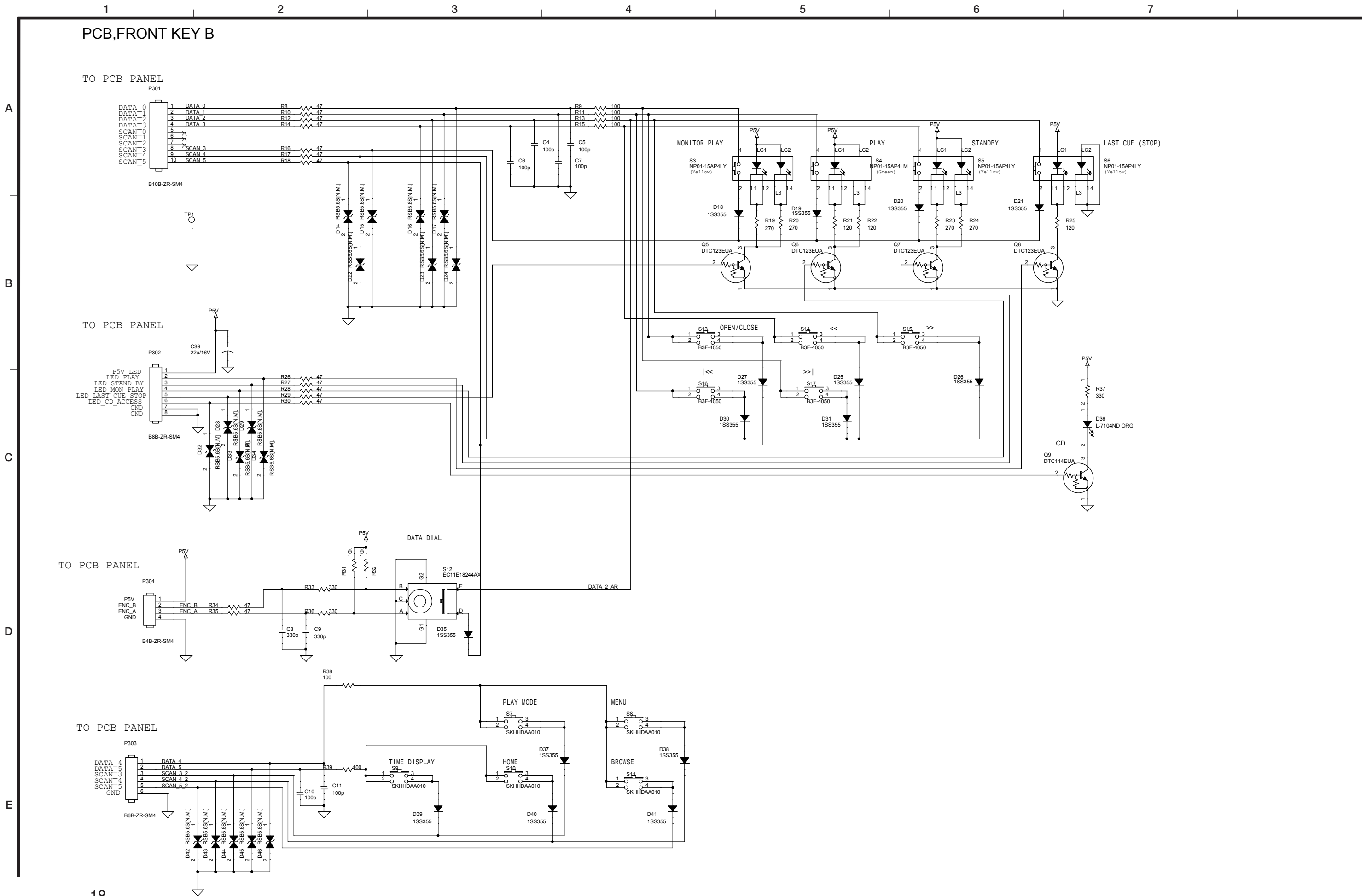


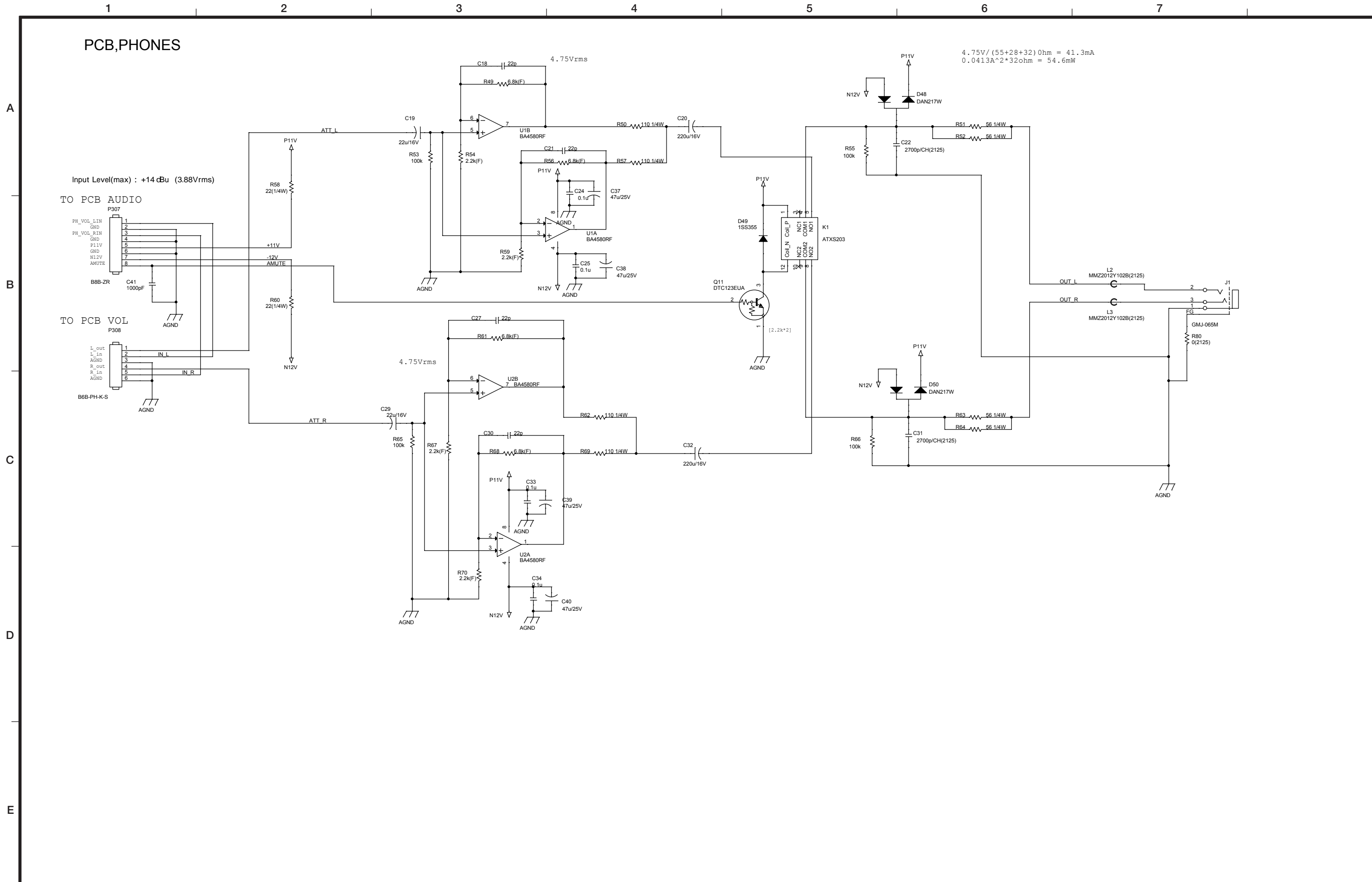
MONITOR DAC & LEVEL CONTROL





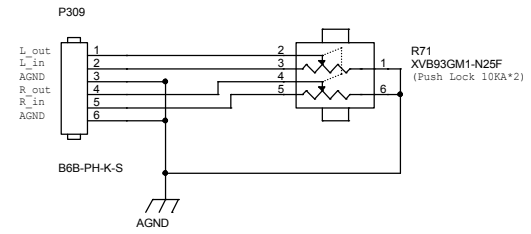






PCB,VOL

TO PCB PHONES



1 2 3 4 5 6 7

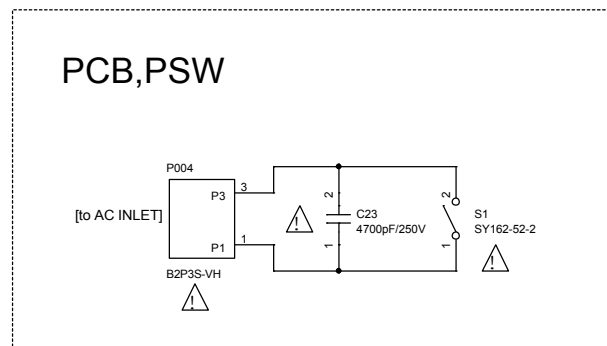
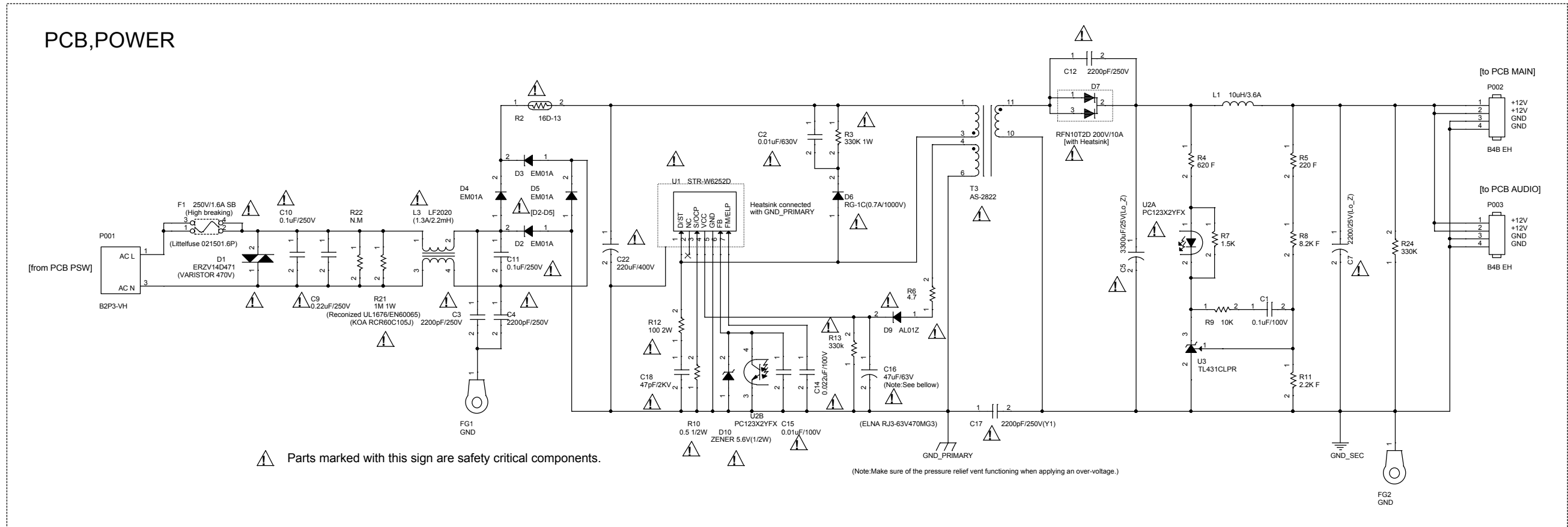
A

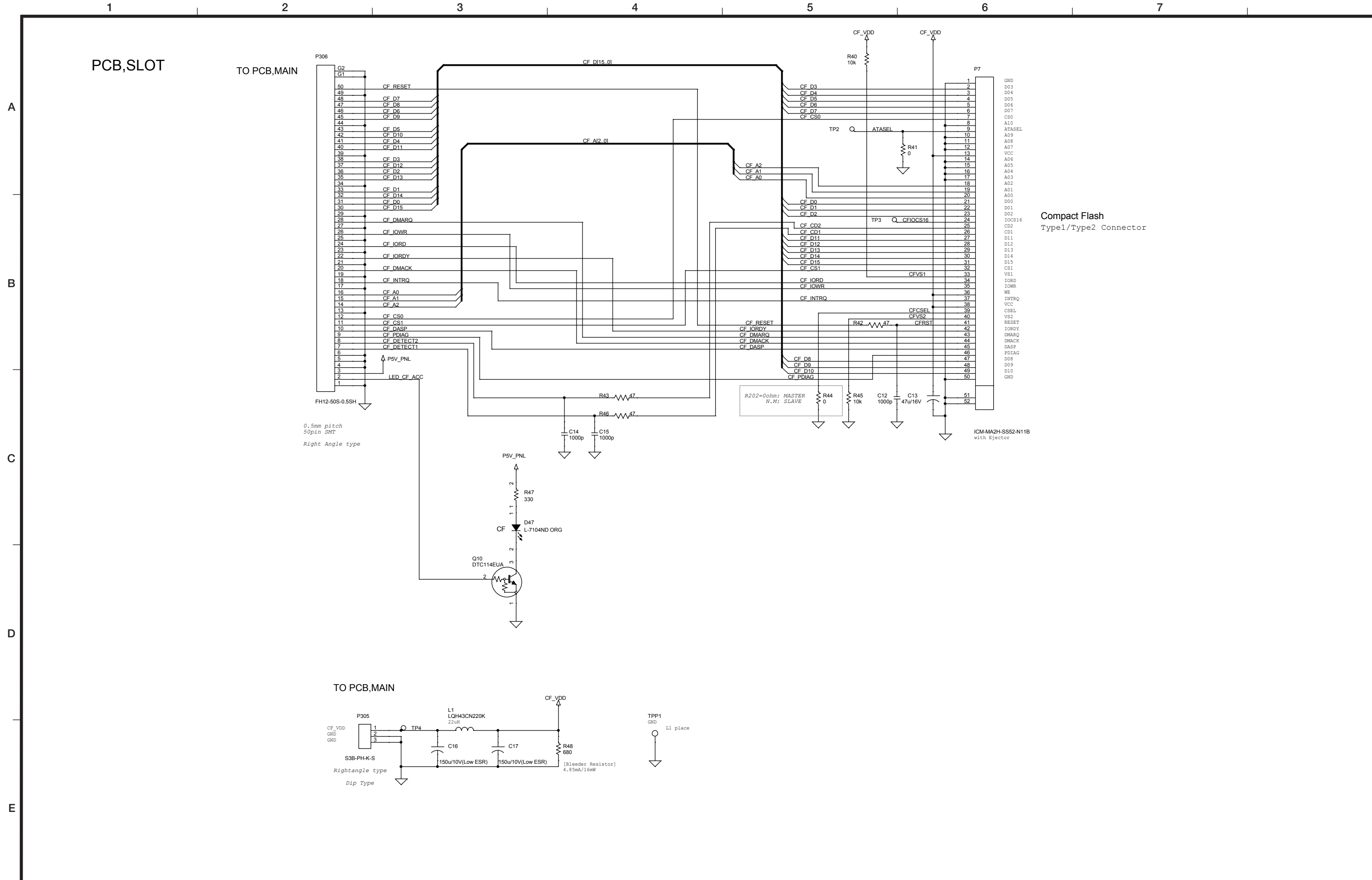
B

C

D

E





PCB,CONT (1)

A

B

C

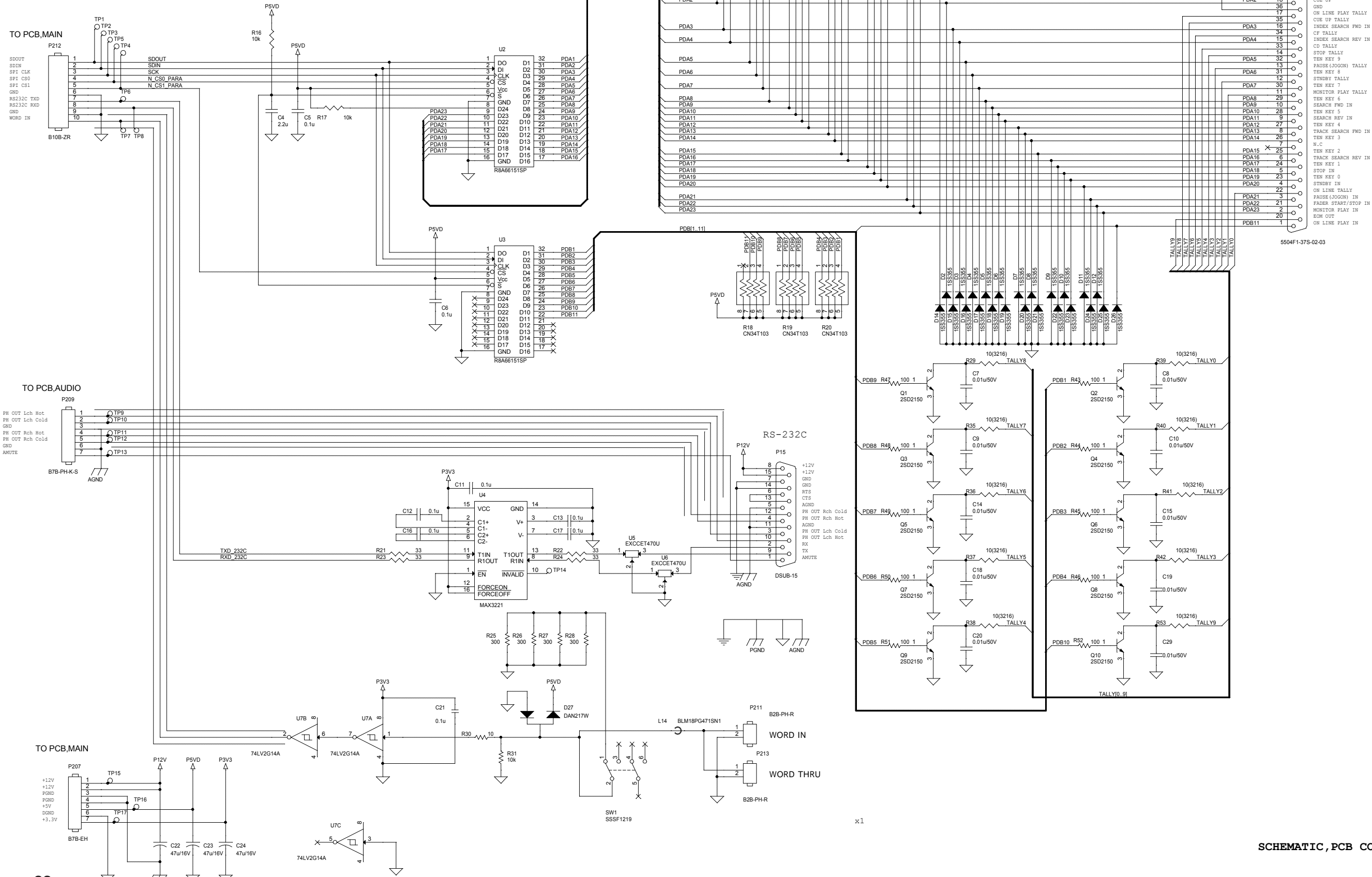
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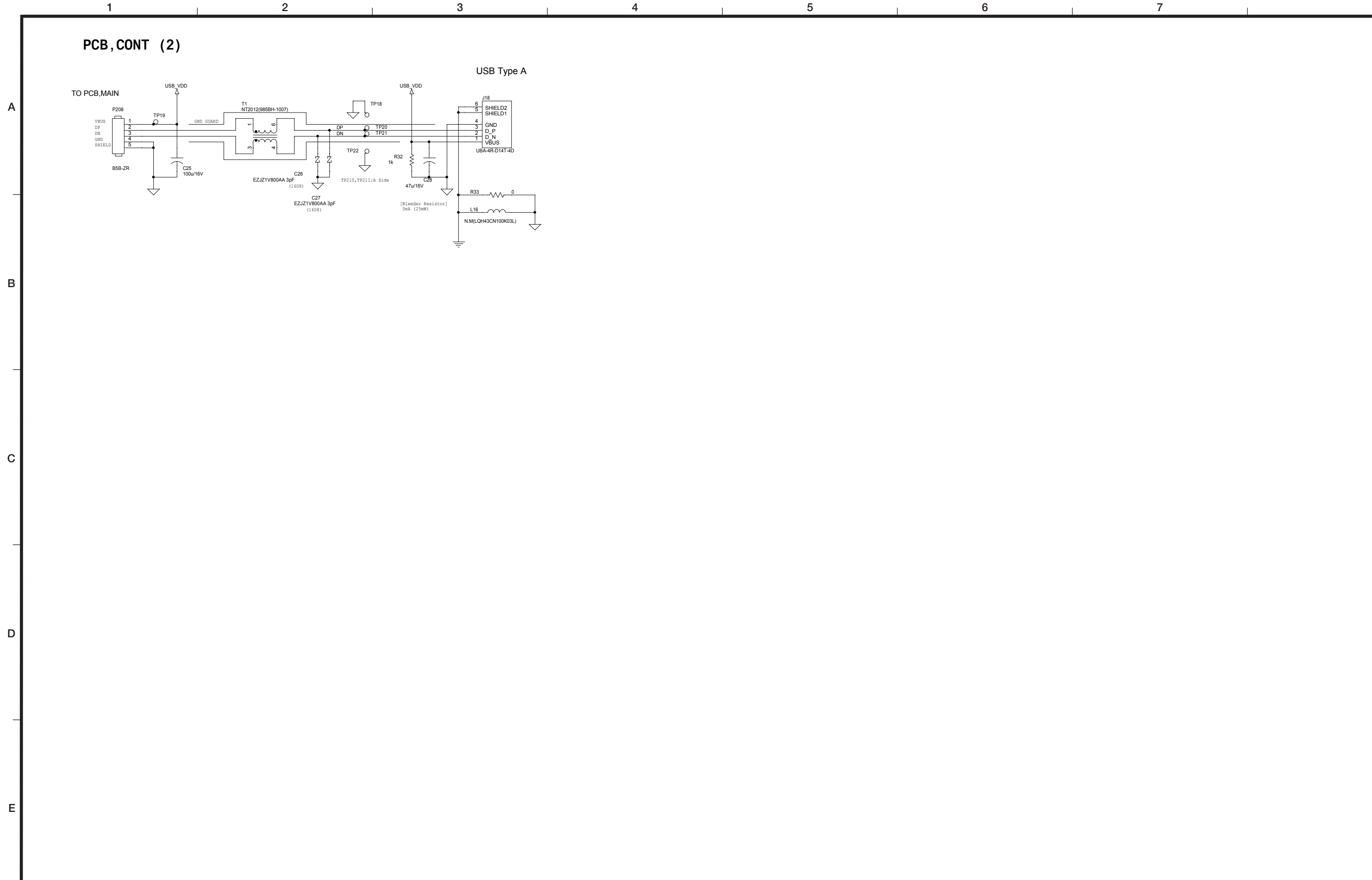
TO PCB,MAIN

TO PCB,AUDIO

TO PCB,MAIN



- P13
- ON LINE IN
- VCC+5V
- CUE UP
- ON LINE PLAY TALLY
- CUE UP TALLY
- INDEX SEARCH FWD IN
- CF TALLY
- INDEX SEARCH REV IN
- CD TALLY
- STOP TALLY
- TEM KEY 9
- PAUSE (JOGON) TALLY
- TEM KEY 8
- STANDBY TALLY
- TEM KEY 7
- MONITOR PLAY TALLY
- TEM KEY 6
- SEARCH FWD IN
- TEM KEY 5
- SEARCH REV IN
- TEM KEY 4
- TRACK SEARCH FWD IN
- TEM KEY 3
- PDA1 19
- PDA2 18
- PDA3 16
- PDA4 34
- PDA5 15
- PDA6 31
- PDA7 30
- PDA8 11
- PDA9 29
- PDA10 28
- PDA11 9
- PDA12 27
- PDA13 8
- PDA14 26
- PDA15 25
- PDA16 6
- PDA17 24
- PDA18 5
- PDA19 23
- PDA20 4
- PDA21 3
- PDA22 21
- PDA23 2
- PDB11 1
- 5504F1-3TS-02.03
- TALLY9
- TALLY8
- TALLY7
- TALLY6
- TALLY5
- TALLY4
- TALLY3
- TALLY2
- TALLY1
- TALLY0



1

2

3

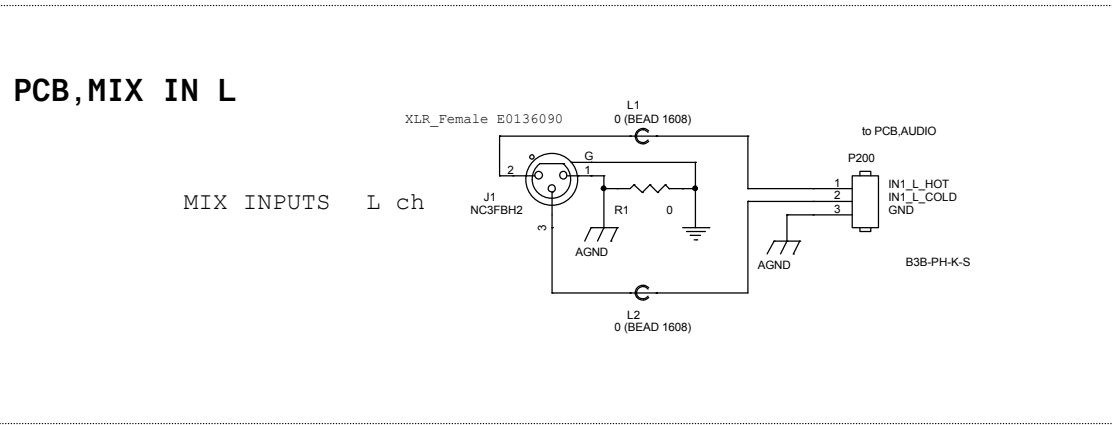
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5

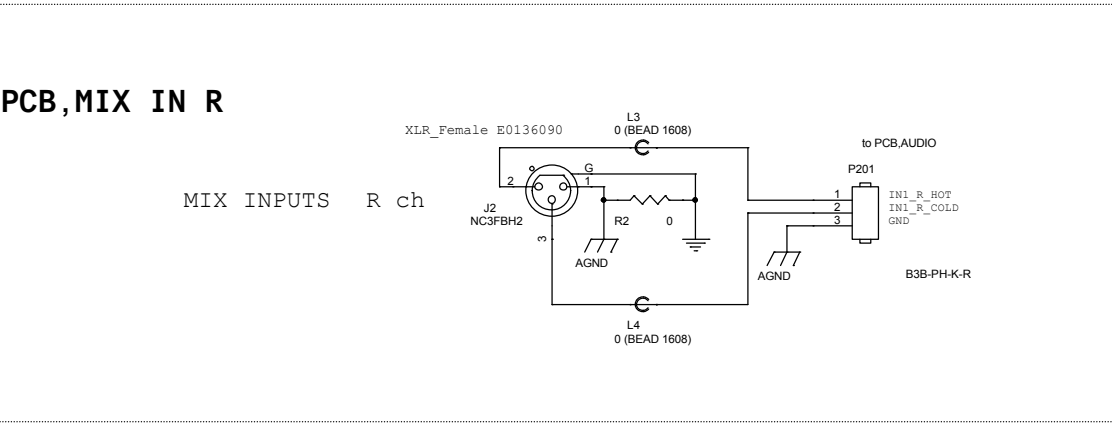
6

7

A



B

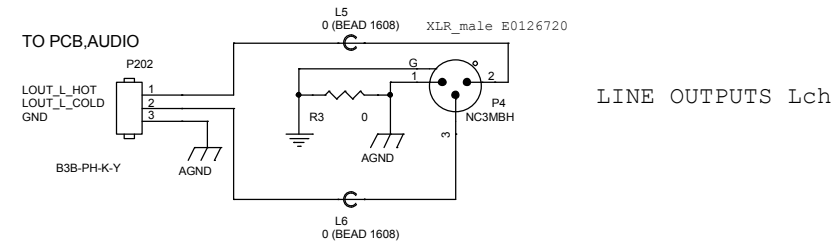


C

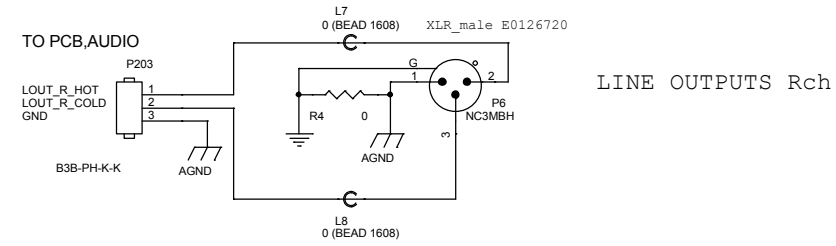
D

E

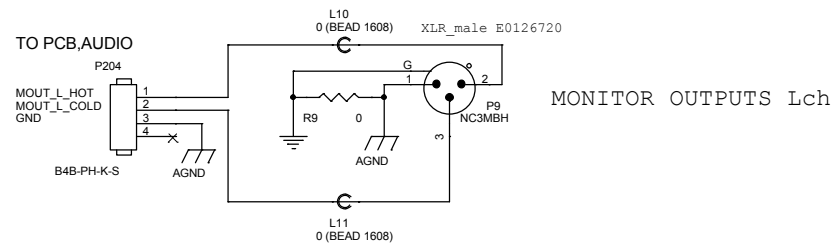
PCB,LINE OUT L



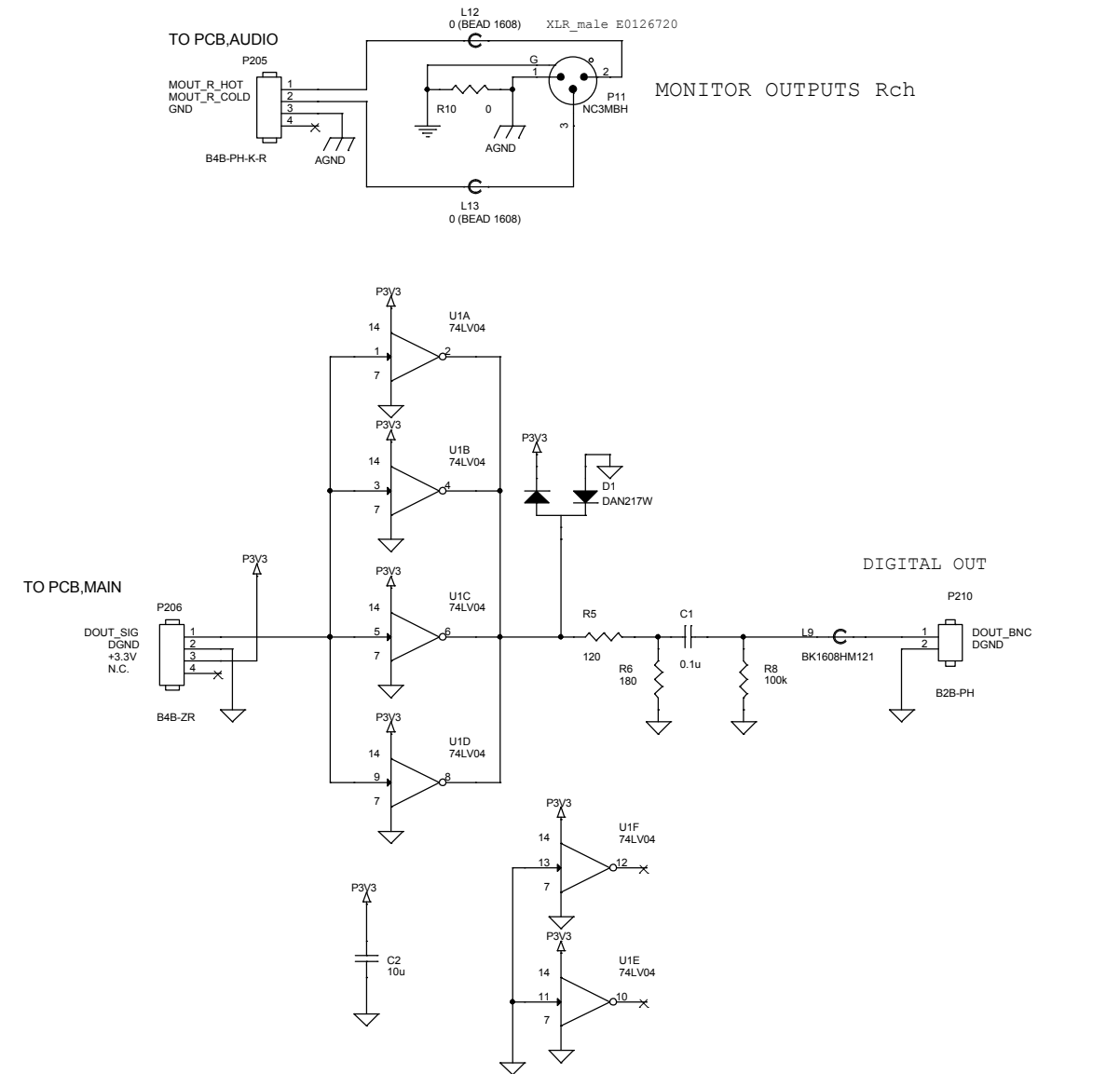
PCB,LINE OUT R



PCB,MONITOR L



PCB,MONITOR R



PCB,CONT (1)

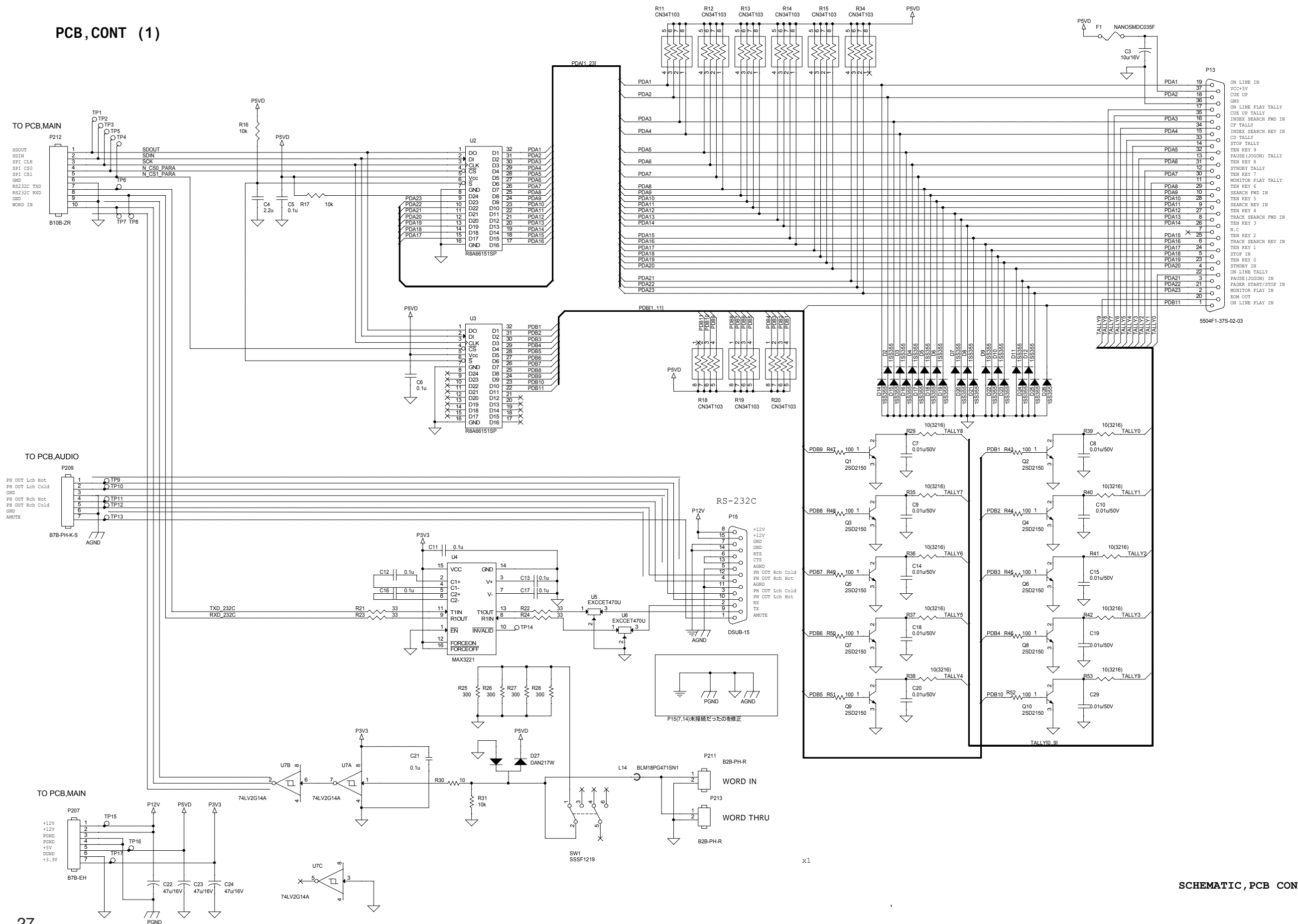
A

B

C

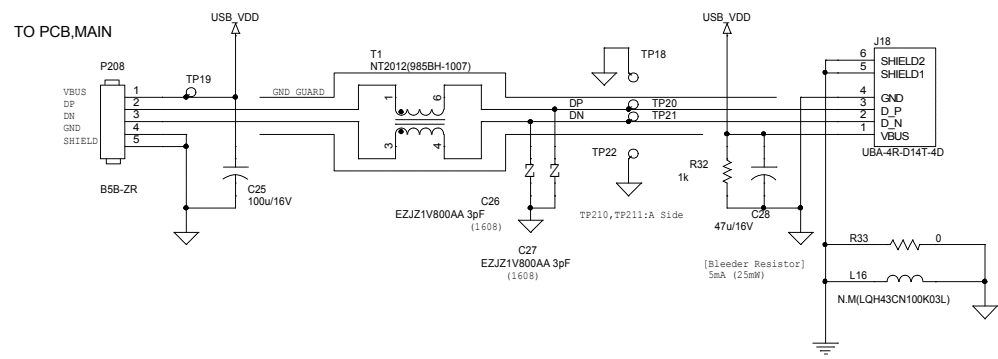
D

E



PCB, CONT (2)

USB Type A



1

2

3

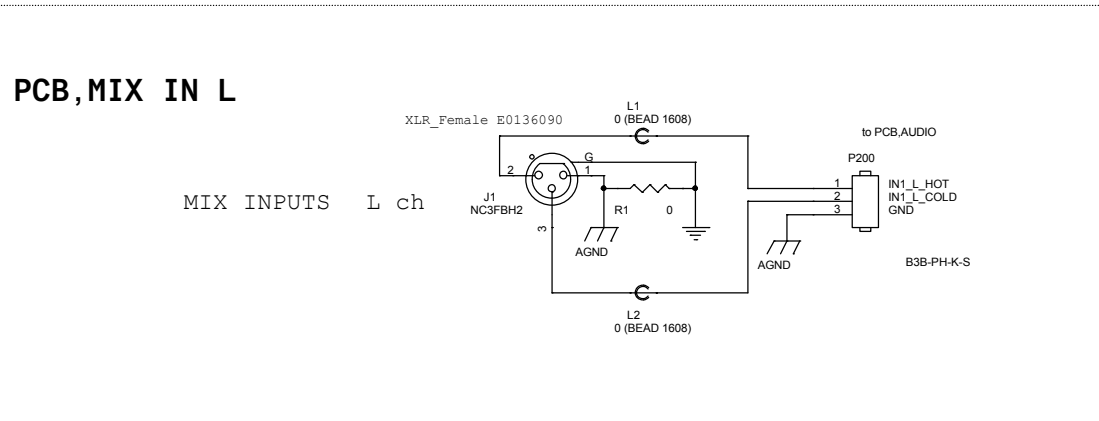
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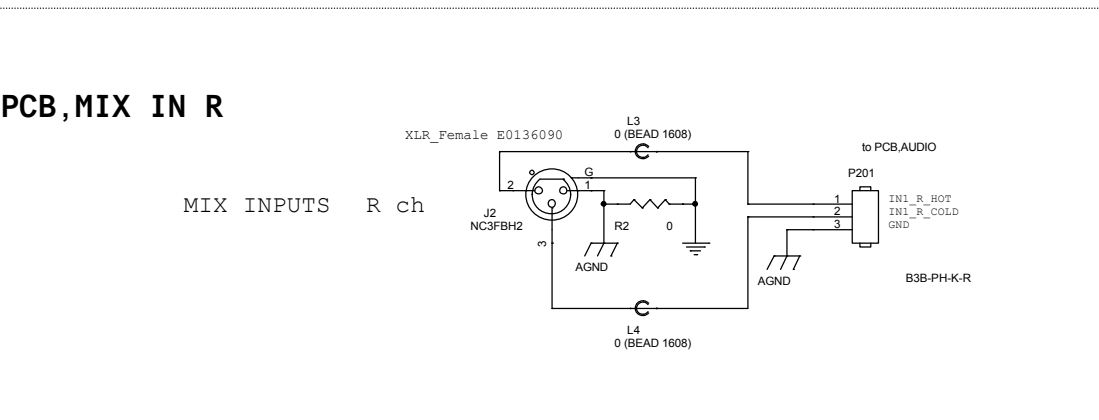
6

7

A



B

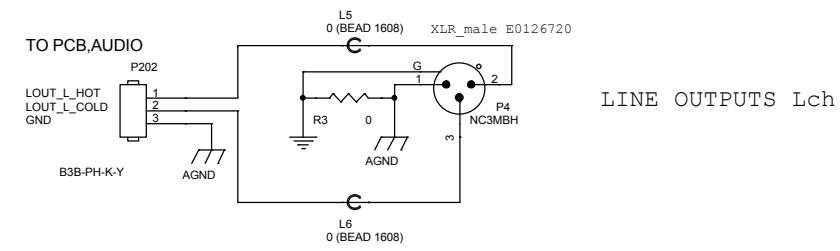


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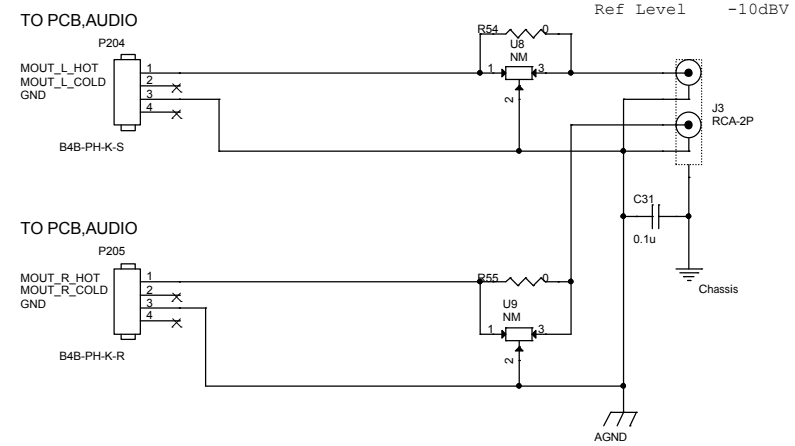
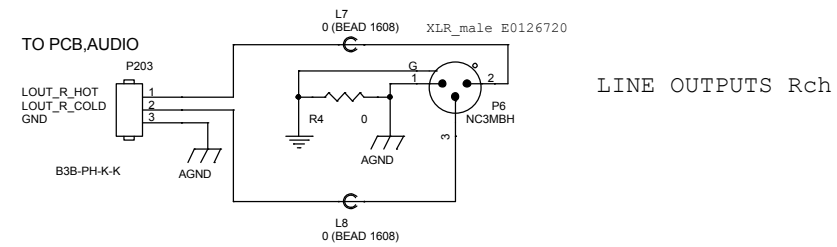
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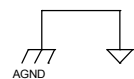
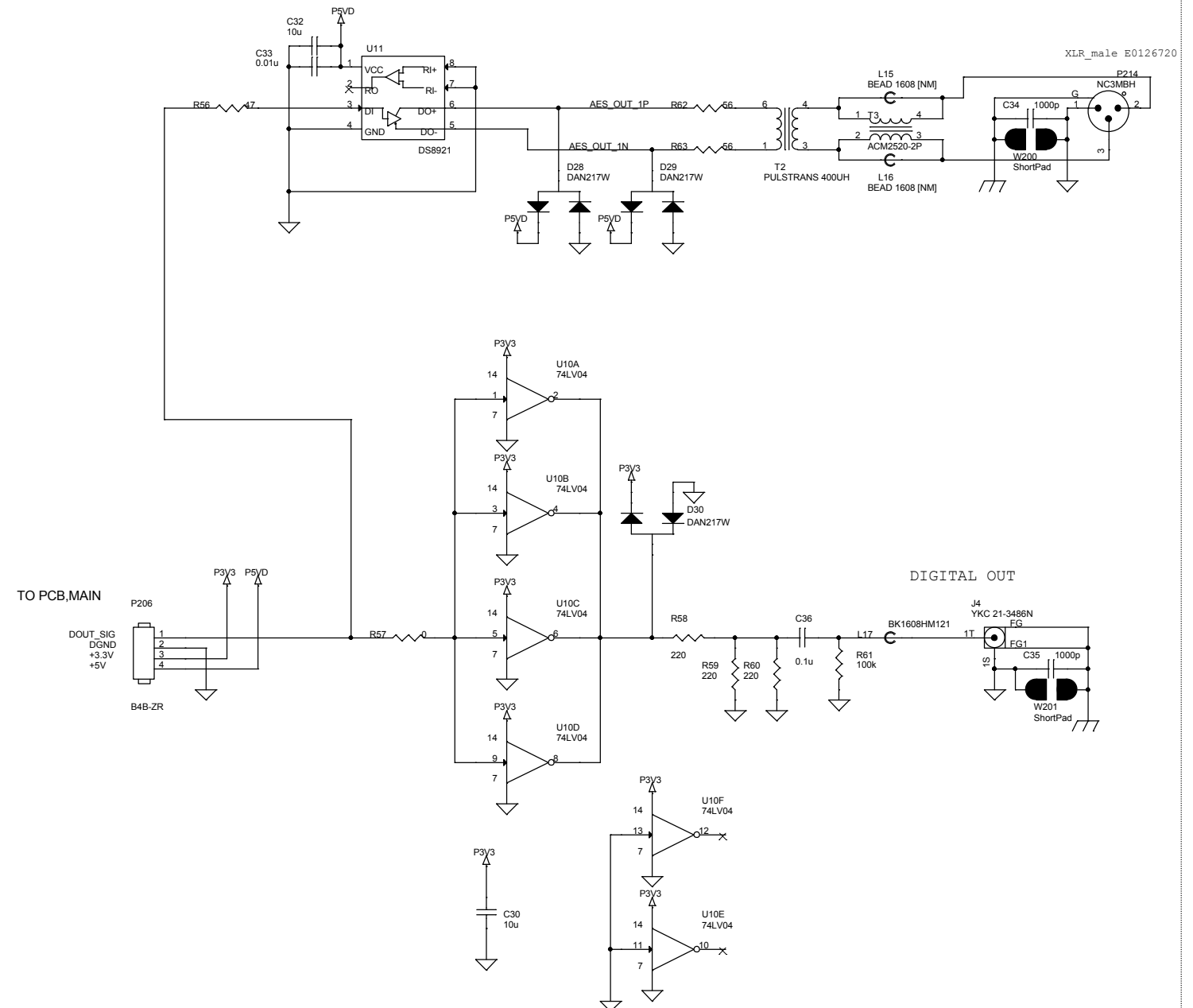
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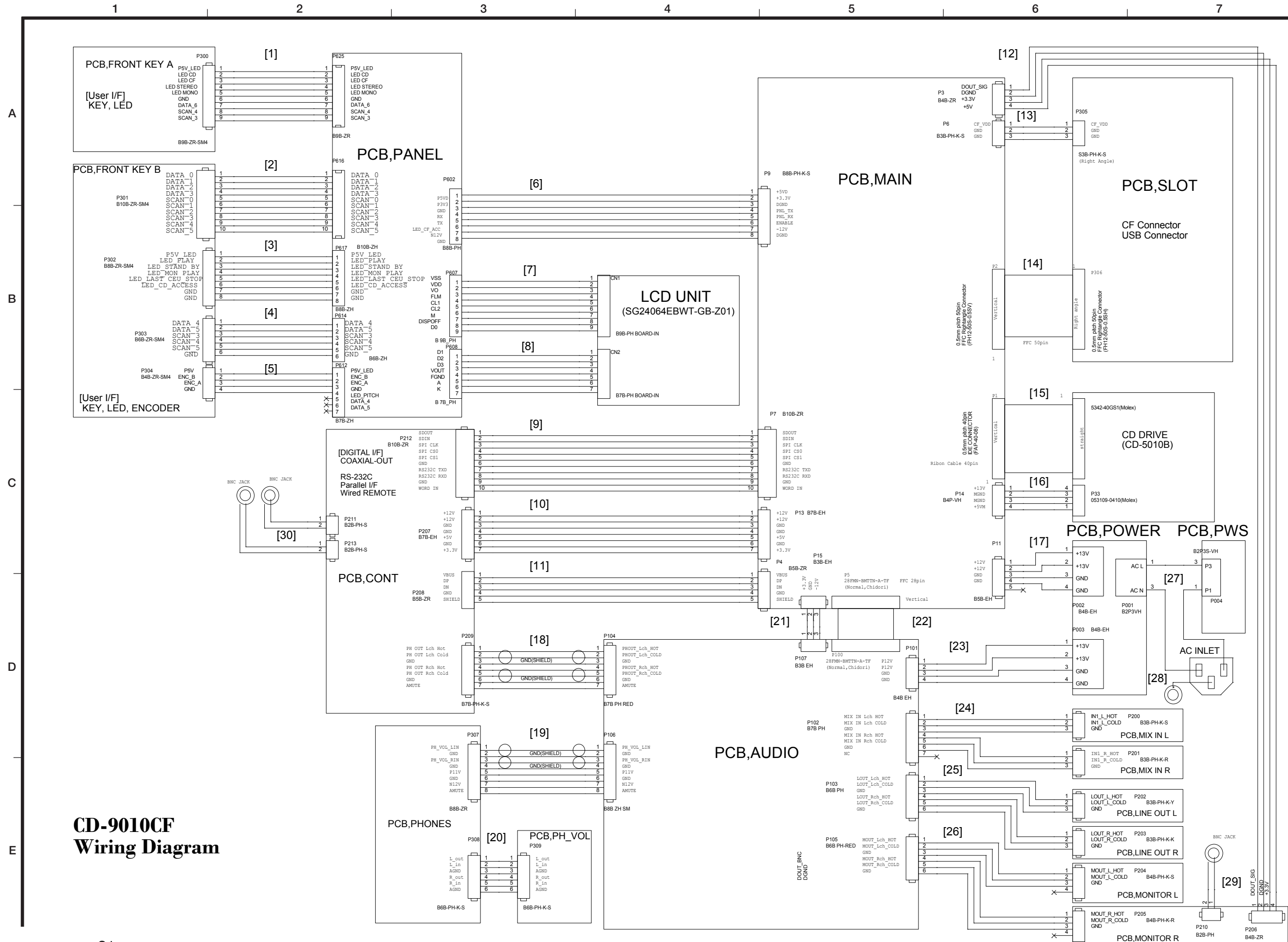


PCB, LINE OUT R2

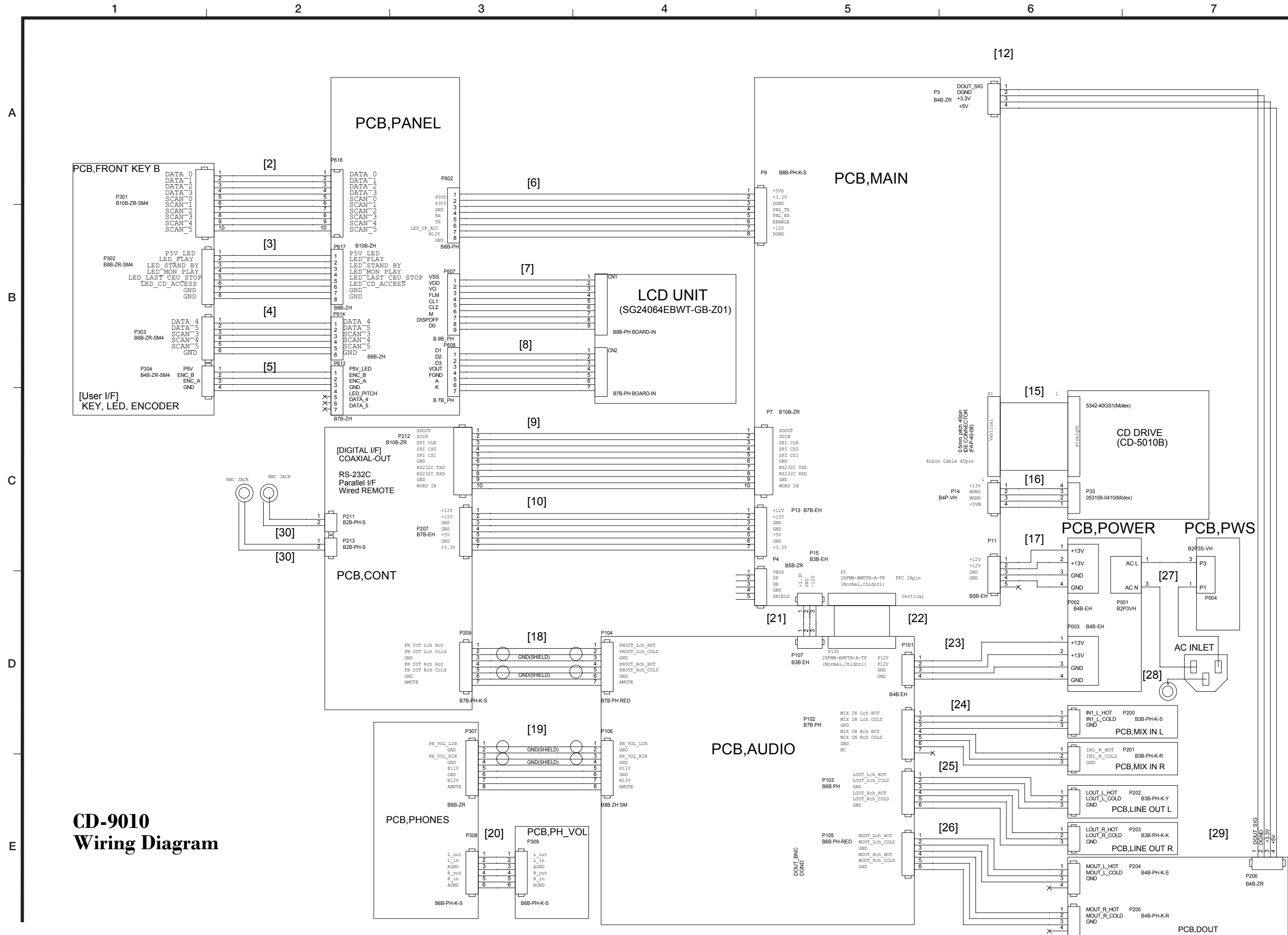


PCB, DOUT





CD-9010CF
Wiring Diagram



CD-9010
Wiring Diagram

A

CD-9010CF Harness List

No.	Part No.	Parts name
1	E01791500A	HARN ASSY,KEY A CD9010 G
2	E01791600A	HARN ASSY,KEY B1 CD9010 G
3	E01791700A	HARN ASSY,KEY B2 CD9010 G
4	E01791800A	HARN ASSY,KEY B3 CD9010 G
5	E01791900A	HARN ASSY,KEY B4 CD9010 G
6	E01792000A	HARN ASSY,UART CD9010 G
7	E01796700A	HARN ASSY,LCD 1 RC9010 G
8	E01796800B	HARN ASSY,LCD 2 RC9010 G
9	E01792300A	HARN ASSY,SIO CD9010 G
10	E01792400A	HARN ASSY,CNT PW CD9010 G
11	E01792500A	HARN ASSY,KYBD CD9010 G
12	E01792600B	HARN ASSY,DOUT CD9010 G
13	E01792700A	HARN ASSY,CF PWR CD9010 G
14	E01792800A	FLAT CABLE,FFC50 CD9010 G
15	E01792900A	HARN ASSY,IDE80P CD9010 G
16	E01793000A	HARN ASSY,CD PWR CD9010 G
17	E01793100A	HARN ASSY,PWR1 CD9010 G
18	E01793200B	HARN ASSY,MON CD9010 G
19	E01793300A	HARN ASSY,PHONE CD9010 G
20	E01793400A	HARN ASSY,VOL CD9010 G
21	E01793500A	HARN ASSY,PWR2 CD9010 G
22	E01793600B	FLAT CABLE,FFC28 CD9010 G
23	E01793700A	HARN ASSY,PWR3 CD9010 G
24	E01793800A	HARN ASSY,MIX IN CD9010 G
25	E01793900A	HARN ASSY,LOUT CD9010 G
26	E01794000A	HARN ASSY,MOUT CD9010 G
27	E01794100A	HARN ASSY,AC CD9010 G
28	E01794200A	HARN ASSY,EARTH CD9010 G
29	E01813900A	HARN ASSY,BNCDIGIT CFQ G
30	E01814000B	HARN ASSY,BNC WORD CFQ G

B

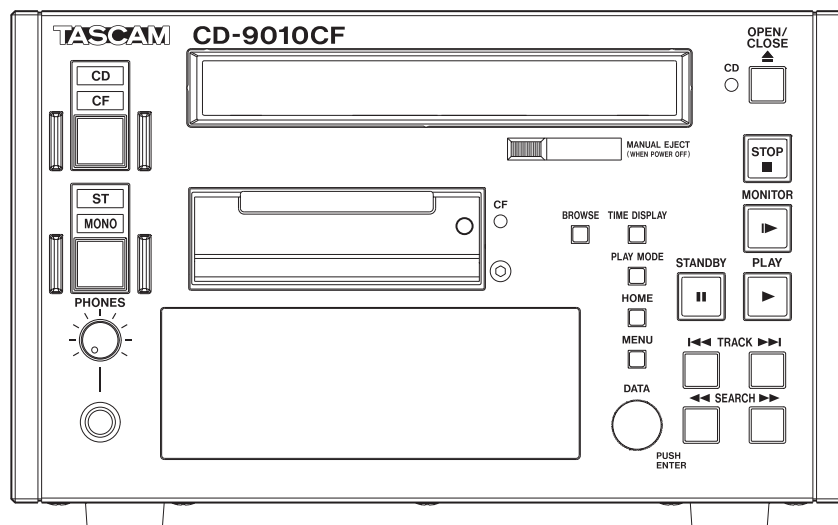
C

D

E

CD-9010 Harness List

No.	Part No.	Parts name
2	E01791600A	HARN ASSY,KEY B1 CD9010 G
3	E01791700A	HARN ASSY,KEY B2 CD9010 G
4	E01791800A	HARN ASSY,KEY B3 CD9010 G
5	E01791900A	HARN ASSY,KEY B4 CD9010 G
6	E01792000A	HARN ASSY,UART CD9010 G
7	E01796700A	HARN ASSY,LCD 1 RC9010 G
8	E01796800B	HARN ASSY,LCD 2 RC9010 G
9	E01792300A	HARN ASSY,SIO CD9010 G
10	E01792400A	HARN ASSY,CNT PW CD9010 G
12	E01792600B	HARN ASSY,DOUT CD9010 G
15	E01792900A	HARN ASSY,IDE80P CD9010 G
16	E01793000A	HARN ASSY,CD PWR CD9010 G
17	E01793100A	HARN ASSY,PWR1 CD9010 G
18	E01793200B	HARN ASSY,MON CD9010 G
19	E01793300A	HARN ASSY,PHONE CD9010 G
20	E01793400A	HARN ASSY,VOL CD9010 G
21	E01793500A	HARN ASSY,PWR2 CD9010 G
22	E01793600B	FLAT CABLE,FFC28 CD9010 G
23	E01793700A	HARN ASSY,PWR3 CD9010 G
24	E01793800A	HARN ASSY,MIX IN CD9010 G
25	E01793900A	HARN ASSY,LOUT CD9010 G
26	E01794000A	HARN ASSY,MOUT CD9010 G
27	E01794100A	HARN ASSY,AC CD9010 G
28	E01794200A	HARN ASSY,EARTH CD9010 G
29	E01813900A	HARN ASSY,BNCDIGIT CFQ G
30	E01814000B	HARN ASSY,BNC WORD CFQ G



CD / Solid State Player

CD-9010CF / CD-9010

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INSTRUCTIONS FOR SERVICE PERSONNEL

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

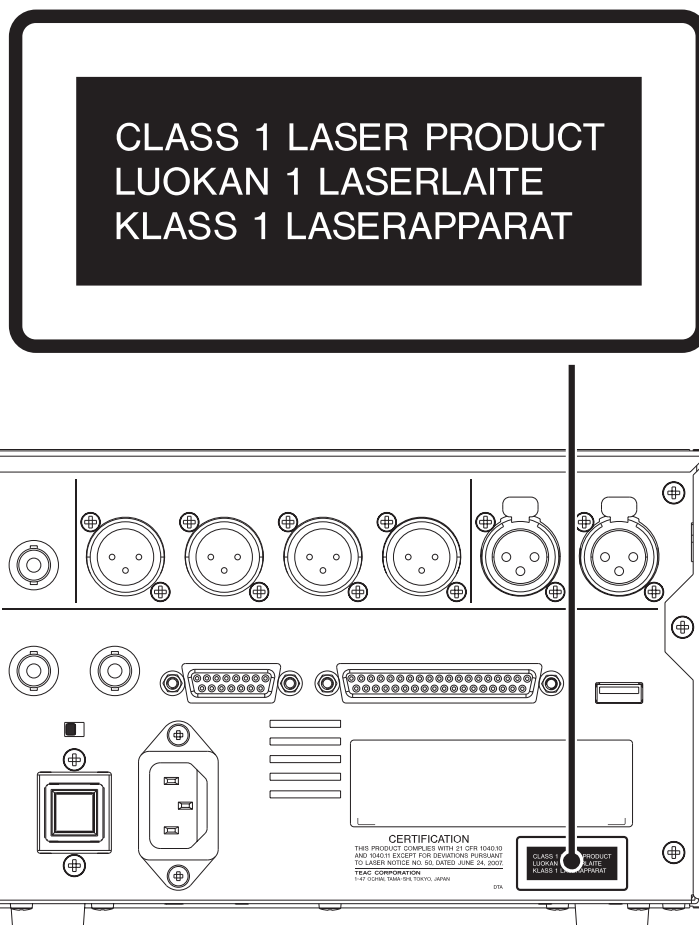
SAFETY INFORMATION

安全規格

● CAUTIONS ABOUT LASER RADIATION

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968," and is classified as a class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown at ①.



● Cautions

- DO NOT REMOVE THE PROTECTIVE HOUSING USING A SCREWDRIVER.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- IF THIS PRODUCT DEVELOPS TROUBLE, CONTACT YOUR NEAREST QUALIFIED SERVICE PERSONNEL, AND DO NOT USE THE PRODUCT IN ITS DAMAGED STATE.

Optical pickup

Type: HOF-1501XB
 Manufacturer: Hitachi Media Electronics
 Laser output: Less than 0.5 mW on the objective lens
 Wavelength: 785 nm ±22 nm
 Standard: IEC60825-1 : 2007

● CAUTION for products that use replaceable lithium batteries:

There is danger of explosion if a battery is replaced with an incorrect type of battery.
 Replace only with the same or equivalent type

Specifications (CD-9010CF)

仕様 (CD-9010CF)

定格

対応メディア

- CFカード (512MB~32GB、Type I のみ)
 CD、CD-R (CD-DA オーディオディスク、ISO9660 Level1 /
 Joliet / Romeo データディスク)

再生ファイル形式

- WAV : 44.1k/48kHz、16/24ビット
 CD-DA : 44.1kHz、16ビット

チャンネル数

- 2チャンネル(ステレオ)
 1チャンネル(モノラル)

入出力定格

アナログオーディオ入出力定格

MIX INPUTS (BALANCED) 端子

- コネクタ : XLR-3-31
 (1 : GND、2 : HOT、3 : COLD)
 入力インピーダンス : 10k Ω
 規定入力レベル : +4dBu (1.23Vrms)
 最大入力レベル : +24dBu (12.28Vrms)

LINE OUTPUTS(BALANCED) 端子

- コネクタ : XLR-3-32
 (1 : GND、2 : HOT、3 : COLD)
 出力インピーダンス : 200 Ω
 規定出力レベル : +4dBu (1.23Vrms)
 最大出力レベル : +24dBu (12.28Vrms)

MONITOR OUTPUTS(BALANCED) 端子

- コネクタ : XLR-3-32
 (1 : GND、2 : HOT、3 : COLD)
 出力インピーダンス : 200 Ω
 規定出力レベル : +4dBu (1.23Vrms)
 最大出力レベル : +24dBu (12.28Vrms)

PHONES 端子

- コネクタ : 6.3mm(1/4)ステレオ標準ジャック
 最大出力レベル : 45mW+45mW 以上
 (THD+N 0.1%以下、32 Ω 負荷)

デジタルオーディオ出力定格

DIGITAL OUT 端子

- コネクタ : BNC コネクタ
 フォーマット : AES3-2003 / AES-3id-2001 / IEC60958-4
 (AES/EBU)
 出力インピーダンス : 75 Ω

コントロール入出力定格

WORD IN 端子

- コネクタ : BNC コネクタ
 入力電圧 : 5V TTL相当
 入力インピーダンス : 75 Ω
 外部同期時の許容周波数偏差 : \pm 100ppm
 終端有り/無し切り換えスイッチ付き

WORD THRU 端子

- コネクタ : BNC コネクタ
 出力電圧 : 5V TTL相当
 出力インピーダンス : 75 Ω

REMOTE IN(SERIAL) 端子

- コネクタ : D-sub 15ピン

REMOTE IN(PARALLEL) 端子

- コネクタ : D-sub 37ピン
 最大入力電圧 : +5.5V
 ハイレベル最小入力電圧 : +3.75V
 ローレベル最大入力電圧 : +1.25V
 出力形式 : オープンドレイン(耐圧50V、最大100mA)
 ローレベル最大出力電圧 : 0.5V
 +5V電源 最大供給電流 : 100mA

KEYBOARD 端子

- コネクタ : USB A タイプ 4ピン
 プロトコル : USB1.1 LOW SPEED(1.5Mbps)
 +5V電源 最大供給電流 : 500mA

オーディオ性能

周波数特性

- 20Hz-20kHz : \pm 0.5dB(再生時、JEITA)

歪率

- 0.005%以下(再生時、JEITA)

S/N比

- 100dB以上(再生時、JEITA)

ダイナミックレンジ

- 95dB(再生時、JEITA)

チャンネル間クロストーク

- 95dB(再生時、JEITA)

注) JEITA : JEITA CP-2150基準

バックアップメモリー

本機は、電源をオフにしても、以下の設定をバックアップします。

- 再生モードの設定
- プログラム再生の設定
- キュー再生の設定(CD : 500枚分)
- 各メニュー項目の設定

(オートキュー機能の設定、オートレディ機能の設定、インクリメンタルプレー機能の設定、ONLINE BACK CUE機能、PLAY KEY FUNCTION機能、MONITOR PLAY STBY機能、ONLINE PLAY STBY機能、リピート再生機能の設定、EOM機能の設定、エンドチェックの設定、ピッチコントロール値の設定、外部リモコン機能の設定、ジョグ再生の設定、RS-232Cの設定、デジタル出力の設定、アナログ出力の設定、オンライン機能の設定、マスタークロックの設定、モノラルミックス再生の設定、レベルメーター表示の設定、フェールセーフ機能の設定、モニタリングポイントの設定、モニターミュートバイオンラインの設定、ディスプレイとインジケータの輝度設定、ディスプレイのコントラスト設定、キーボードタイプの設定)

一般

電源

AC100-240V、50-60Hz

消費電力

18W

外形寸法

220 x 136.8 x 385.2mm(幅 x 高さ x 奥行き)

質量

6kg

動作温度

5~35℃

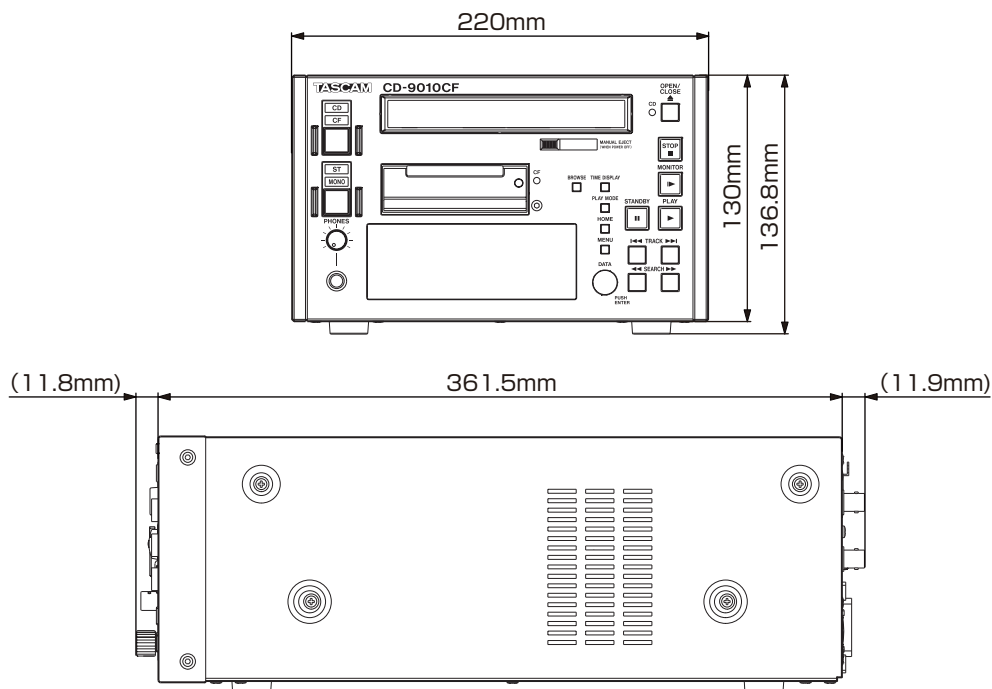
設置時傾斜

5度以内

Dimensional drawings (CD-9010CF)

寸法図 (CD-9010CF)

寸法図



- * 取扱説明書のイラストが一部製品と異なる場合があります。
- * 製品の改善により、仕様および外観が予告なく変更することがあります。

Specifications (CD-9010)

仕様 (CD-9010)

定格

対応メディア

CD、CD-R (CD-DA オーディオディスク、ISO9660 Level1 / Joliet / Romeo データディスク)

再生ファイル形式

WAV : 44.1k/48kHz、16/24ビット
CD-DA : 44.1kHz、16ビット

チャンネル数

2チャンネル(ステレオ)
1チャンネル(モノラル)

入出力定格

アナログオーディオ入出力定格

MIX INPUTS (BALANCED) 端子

コネクター : XLR-3-31
(1 : GND、2 : HOT、3 : COLD)
コネクター : XLR-3-31
(1 : GND、2 : HOT、3 : COLD)
入力インピーダンス : 10k Ω
規定入力レベル : +4dBu(1.23Vrms)
最大入力レベル : +24dBu(12.28Vrms)

LINE OUTPUTS (BALANCED) 端子

コネクター : XLR-3-32
(1 : GND、2 : HOT、3 : COLD)
出力インピーダンス : 200 Ω
規定出力レベル : +4dBu(1.23Vrms)
最大出力レベル : +24dBu(12.28Vrms)

MONITOR OUTPUTS (UNBALANCED) 端子

コネクター : RCA ピンジャック
出力インピーダンス : 100 Ω
規定出力レベル : -10dBv(0.32Vrms)
最大出力レベル : +6dBv(2Vrms)

PHONES 端子

コネクター : 6.3mm(1/4")ステレオ標準ジャック
最大出力レベル : 45mW+45mW以上
(THD+N 0.1%以下、32 Ω 負荷)

デジタルオーディオ出力定格

DIGITAL OUT (COAXIAL) 端子

コネクター : RCA ピンジャック
フォーマット : IEC60958-3
(民生用規格準拠 S/PDIF)*
出力インピーダンス : 75 Ω

*: "SYSTEM" メニュー画面の "DIGITAL OUT TYPE" 項目で "CONSUMER" を選択時

DIGITAL OUT (XLR) 端子

コネクター : XLR-3-31
フォーマット : AES3-2003 / IEC60958-4(AES/EBU)**
出力インピーダンス : 110 Ω
** "SYSTEM" メニュー画面の "DIGITAL OUT TYPE" 項目で "PRO" を選択時

コントロール入出力定格

WORD IN 端子

コネクター : BNC コネクター
入力電圧 : 5V TTL 相当
入力インピーダンス : 75 Ω
外部同期時の許容周波数偏差 : \pm 100ppm
終端有り/無し切り換えスイッチ付き

WORD THRU 端子

コネクター : BNC コネクター
出力電圧 : 5V TTL 相当
出力インピーダンス : 75 Ω

REMOTE IN (SERIAL) 端子

コネクター : D-sub 15ピン

REMOTE IN (PARALLEL) 端子

コネクター : D-sub 37ピン
最大入力電圧 : +5.5V
ハイレベル最小入力電圧 : +3.75V
ローレベル最大入力電圧 : +1.25V
出力形式 : オープンドレイン (耐圧50V、最大100mA)
ローレベル最大出力電圧 : 0.5V
+5V 電源 最大供給電流 : 100mA

オーディオ性能

周波数特性

20Hz-20kHz : \pm 0.5dB (再生時、JEITA)

歪率

0.005% 以下 (再生時、JEITA)

S/N 比

100dB 以上 (再生時、JEITA)

ダイナミックレンジ

95dB (再生時、JEITA)

チャンネル間クロストーク

95dB (再生時、JEITA)

注) JEITA : JEITA CP-2150 基準

バックアップメモリー

本機は、電源をオフにしても、以下の設定をバックアップします。

- 再生モードの設定
- プログラム再生の設定
- キュー再生の設定(CD：500枚分)
- 各メニュー項目の設定

(オートキュー機能の設定、オートレディ機能の設定、インクリメンタルプレー機能の設定、ONLINE BACK CUE機能、PLAY KEY FUNCTION機能、MONITOR PLAY STBY機能、ONLINE PLAY STBY機能、リピート再生機能の設定、EOM機能の設定、エンドチェックの設定、ピッチコントロール値の設定、外部リモコン機能の設定、ジョグ再生の設定、RS-232Cの設定、デジタル出力の設定、アナログ出力の設定、オンライン機能の設定、マスタークロックの設定、モノラルミックス再生の設定、レベルメーター表示の設定、フェールセーフ機能の設定、モニタリングポイントの設定、モニターミュートバイオンラインの設定、ディスプレイとインジケータの輝度設定、ディスプレイのコントラスト設定、キーボードタイプの設定)

一般

電源

AC100-240V、50-60Hz

消費電力

14W

外形寸法

220 x 136.8 x 385.2mm(幅 x 高さ x 奥行き)

質量

6kg

動作温度

5~35℃

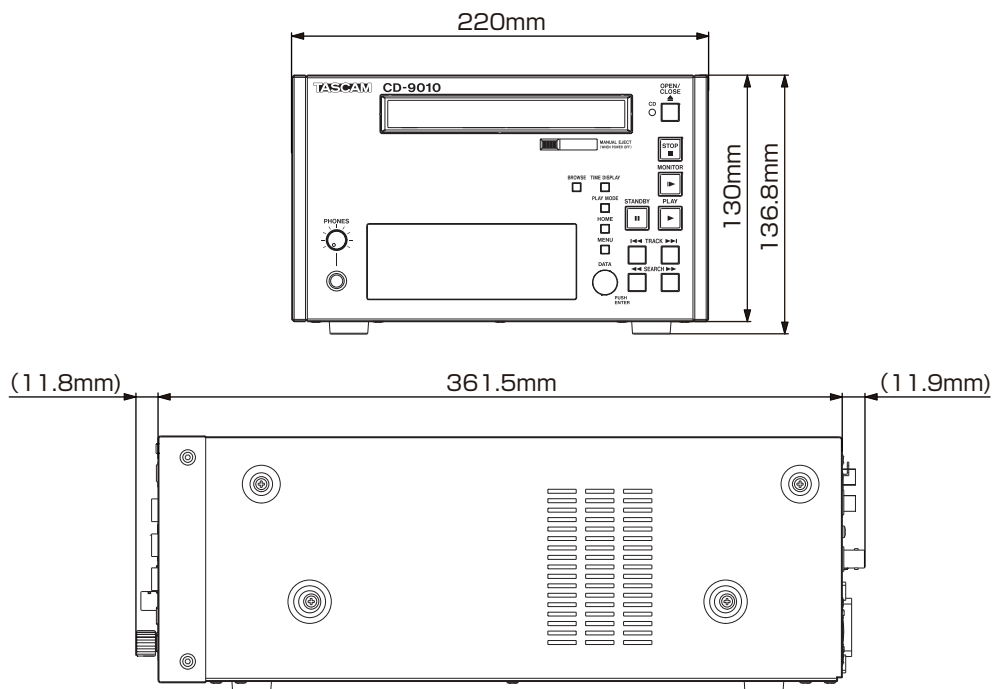
設置時傾斜

5度以内

Dimensional drawings (CD-9010)

寸法図 (CD-9010)

寸法図



- * 取扱説明書のイラストが一部製品と異なる場合があります。
- * 製品の改善により、仕様および外観が予告なく変更することがあります。

Test Mode and Special Operations

テストモードと特殊操作

1. テストモードの起動/操作方法

テストモードでは以下の操作および確認をすることができます。

- ① LCDおよびLEDの表示確認
- ② 各種入力デバイスの動作確認(USBキーボードは除く)
- ③ パラレルリモート端子の動作確認
- ④ シリアルリモート端子の動作確認
- ⑤ EEPROMの初期化設定
- ⑥ 各種ファームウェアバージョンおよび稼働時間の表示

1) テストモードへの入り方

"TIME DISPLAY"と"HOME"と"BROWSE"キーを押したまま電源を入れます。

オープニング画面が出るまで押し続けます。

テストモードは電源OFFで終了します。

2) テストモードメニュー

DATAダイヤルにてテスト項目を選択し、DATAダイヤルを押して決定します。

```

DISPLAY CHECK
KEY/ENCODER/SW CHECK
PARALLEL REMOTE CHECK
SERIAL REMOTE CHECK
EEP CHECK
INFORMATION
  
```

- ① DISPLAY CHECK
- ② KEY/ENCODER/SW CHECK
- ③ PARALLEL REMOTE CHECK
- ④ SERIAL REMOTE CHECK
- ⑤ EPP CHECK
- ⑥ INFORMATION

3) 各テストモードの説明

① DISPLAY CHECK

"DISPLAY CHECK"を選択し、DATAダイヤルを押します。
TIME DISPLAYキーを押す毎にLCD、LEDの表示を行います。

STEP 1: LCDに"TEST LCD → PRESS DISPLAY"を表示します。

```
TEST LCD -> PRESS TIME DISPLAY
```

STEP 2: LCD/LED全消灯

STEP 3: LCD全点灯/LED全消灯

STEP 4: LCD全点灯

LED点灯: [CD (CD-9010CFのみ)、CD ACCESS、PLAY、LAST CUE (STOP)、ST (CD-9010CFのみ)]

LED消灯: [CF (CD-9010CFのみ)、CF ACCESS (CD-9010CFのみ)、MONITOR PLAY、STANDBY、MONO (CD-9010CFのみ)]

STEP 5: LCD全点灯

LED消灯: [CD (CD-9010CFのみ)、CD ACCESS、PLAY、LAST CUE (STOP)、ST (CD-9010CFのみ)]

LED点灯: [CF (CD-9010CFのみ)、CF ACCESS (CD-9010CFのみ)、MONITOR PLAY、STANDBY、MONO (CD-9010CFのみ)]

STEP 6: LCD/LED全点灯

再度、"TIME DISPLA"キーを押すと、テストモードメニューに戻ります。

② KEY/ENCODER/SW CHECK

"KEY / ENCODER / SW CHECK"を選択し、DATAダイヤルを押します。

```

Push any key

MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

以下の入力デバイスの動作確認を行います

Machine: 本体キー [CD/CF (CD-9010CFのみ)、ST/MONO (CD-9010CFのみ)、BROWSE、TIME DISPLAY、PLAY MODE、HOME、MENU、OPEN/CLOSE、PLAY、LAST CUE (STOP)、STANDBY、MONITOR PLAY、◀◀TRACK、TRACK▶▶、◀◀SERACH、SEARCH▶▶、DATAダイヤル(ENTER)]

Encoder: DATAダイヤル

```

Machine
****
MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

1行目: デバイス種類(Machine、Encoder)

2行目: デバイス名称

全ての本体キーを操作すると、"Machine Key Check OK!!"が表示されます(入力順序は問いません)。テスト中にMENUキーを長押しすると、テストを中断しテストモードメニューに戻ります。

```

Machine
****
Machine Key Check OK!!
MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

③ PARALLEL REMOTE CHECK

"PARALLEL REMOTE CHECK"を選択し、DATAダイヤルを押します。

"Key Waiting"表示中に任意のキーを押すと、LCDに押されたキーを表示し、タリールを出力します。

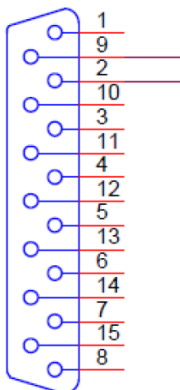
```
Key waiting
```

テスト中にMENUキーを押すと、テストを中断しテストモードメニューに戻ります。

入力キー	出力タリー		
ON LINE PLAY :	ON LINE PLAY TALLY		
MONITOR PLAY :	MONITOR PLAY TALLY		
PAUSE (JOG ON) :	PAUSE(JOG ON) TALLY		
STANDBY :	STANDBY TALLY		
STOP :	STOP TALLY		
TRACK SEARCH REV [ | << ] :	ON LINE PLAY TALLY	+	EOM OUT
TRACK SEARCH FWD [ >> | ] :	MONITOR PLAY TALLY	+	EOM OUT
SERACH REV [<<] :	PAUSE(JOG ON) TALLY	+	EOM OUT
SEARCH FWD [>>] :	STANDBY TALLY	+	EOM OUT
INDEX SERACH REV [<-] :	STOP TALLY	+	EOM OUT
INDEX SEARCH FWD [->] :	CUE UP_TALLY	+	EOM OUT
CUE UP :	CUE UP_TALLY		
ON LINE :	ON LINE TALLY		
FADER START/STOP :	ON LINE TALLY	+	EOM OUT
TEN KEY 0 :	ON LINE PLAY TALLY	+	CD_TALLY
TEN KEY 1 :	MONITOR PLAY TALLY	+	CD_TALLY
TEN KEY 2 :	PAUSE(JOG ON) TALLY	+	CD_TALLY
TEN KEY 3 :	STANDBY TALLY	+	CD_TALLY
TEN KEY 4 :	STOP TALLY	+	CD_TALLY
TEN KEY 5 :	ON LINE PLAY TALLY	+	CF_TALLY
TEN KEY 6 :	MONITOR PLAY TALLY	+	CF_TALLY
TEN KEY 7 :	PAUSE(JOG ON) TALLY	+	CF_TALLY
TEN KEY 8 :	STANDBY TALLY	+	CF_TALLY
TEN KEY 9 :	STOP TALLY	+	CF_TALLY

④ SERIAL REMOTE CHECK

背面のSERILA (REMOTE)のポートに通信信号 (TXD,RXD)をループバックさせるコネクタを接続します。(下図参照)



15pinループバック治具回路図

"SERIAL REMOTE CHECK" を選択し、DATA ダイアルを押します。検査結果が表示されます。

```
OK
MENU KEY to return
(Continues pushing in the KEY CHECK)
```

検査OKの場合

```
NG
MENU KEY to return
(Continues pushing in the KEY CHECK)
```

検査NGの場合

MENU キーを押すと、テストモードメニューに戻ります。

⑤ EPP CHECK

"EPP CHECK" を選択し、DATA ダイアルを押します。各種設定のバックアップを行うEEPROMへの初期化設定が行えます。

```
DEFAULT ALL
DEFAULT PARAM
CLEAR TIME
```

MENU キーを押すと、テストモードメニューに戻ります。

"DEFAULT ALL"

EEPROMの全初期化設定(工場出荷用)です。各種積算時間も初期化します。

"DEFAULT PARAMETER"

EEPROMの初期化設定です。各種積算時間は、初期化しません。

"CLEAR TIME"

各種積算時間を初期化設定です。サービスにてCDドライブを交換した時に使用します。

⑥ INFORMATION

"INFORMATION" を選択し、DATA ダイアルを押します。下記のバージョン/ビルド番号および稼働時間が表示されます。

```
Main Unit   : Ver 1.00 Build 0012
              PLD Ver 01 123 h
Panel Unit  : Ver 1.00 Build 0034
              PLD Ver 01
Drive Unit  : Ver 3.0A    99 h
```

Main Unit	メインシステム マイコンバージョン ビルドナンバー メインシステム PLDバージョン 稼働時間
Panel Unit	パネルマイコンバージョン ビルドナンバー パネルPLDバージョン
Drive Unit	ドライブマイコンバージョン 稼働時間

MENU キーを押すと、テストモードメニューに戻ります。

4) USB キーボードの確認

NUMLOCK LEDのあるキーボードを接続します。

接続後、NUMLOCKキーを押してLEDが点灯したり、消灯することが確認できれば、正常に通信できています。

2. メインファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。
- ② フロントパネルの**MENU**ボタンを押して、「MENU」画面を表示します。
- ③ **DATA**ダイヤルを回して「6.INFORMATION」を選択し、**DATA**ダイヤルを押します。(ENTER)
- ④ **DATA**ダイヤルを回して「2.SYSTEM INFO」を選択し、**DATA**ダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD v09
Panel Unit: Ver 1.01 Build 0045 PLD v01
Drive Unit: Ver W.0E
RC Unit   : Ver 1.01 Build 0045 PLD v01
Work Time : Main 55h Drv 55h RC 196h

```

ここで表示される「Ver」(ファームウェアバージョン)「Build」(ビルド番号)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「パネル ファームウェアおよび ドライブファームウェア」のアップデートファイルとの混在は可能です。
- ② 本体の**STOP**ボタンと**MONITOR**ボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。

DATAダイヤルを回して「system update」を選択し(初期画面で「system update」が選択されています)、**DATA**ダイヤルを押します。(ENTER)

```

CD-9010CF UPDATE MENU
System update
Drive update

```

上記の画面が表示されない時は、一旦電源を切り**STOP**ボタンと**MONITOR**ボタンを同時に押しながら再度電源を入れてください。

STOPボタンと**MONITOR**ボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレイがオープンし、画面に以下のように表示されます。
準備したCD-R DISCをトレイにセットし、本体の**OPEN/CLOSE**ボタンを押して、DISCローディング→リーディング完了を待ちます。

```

System update mode.
Insert CD,
including update file.

```

- ⑤ ディスクローディングが完了すると、以下の画面が表示されます。

```

System update mode.
Insert CD,
including update file.

Ver. 1.00 to 1.01
Bld. 0031 to 0039
Press ENTER to execute update.

```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレイがオープンし、画面下に「update OK. Turn system power off…」と表示されます。
DISCを取り外し、再度電源を入れてください。
7. 「1) ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

3. パネルファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。RC-9010のファームウェアバージョンを確認する場合は、予め本体に接続しておいてください。
- ② RC-9010または、本体フロントパネルの **MENU** ボタンを押して、"**MENU**"画面を表示します。
- ③ **DATA**ダイヤルを回して"**6.INFORMATION**"を選択し、**DATA**ダイヤルを押します。(ENTER)
- ④ **DATA**ダイヤルを回して"**2.SYSTEM INFO**"を選択し、**DATA**ダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD V09
Panel Unit: Ver 1.01 Build 0045 PLD V01 *1
Drive Unit: Ver W.0E
RC Unit   : Ver 1.01 Build 0045 PLD V01 *2
Work Time : Main 55h Drv 55h RC 196h

```

*1 CD-9010CF / CD-9010

*2 RC-9010 / RC-9010S / RC-9010D

ここで表示される "**Ver**" (ファームウェアバージョン) "**Build**" (ビルド番号)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「メインファームウェアおよびドライブファームウェア」のアップデートファイルとの混在は可能です。
- ② RC-9010のファームウェアアップデートを行う場合は、RC-9010の **STANDBY** ボタンと **PLAY** ボタンを同時に押しながら、本体の電源を入れます。
CD-9010 Panelのファームウェアアップデートを行う場合は、本体の **STANDBY** ボタンと **PLAY** ボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。
システム起動を待ちます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]

Waiting for System startup...

```

上記の画面が表示されない時は、一旦電源を切り **STOP** ボタンと **MONITOR** ボタンを同時に押しながら再度電源を入れてください。

STANBY ボタンと **PLAY** ボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレーがオープンし、画面に以下のように表示されます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]

Set Update CD then push OPEN/CLOSE

```

- ⑤ ディスクリーディングが完了すると、以下の画面が表示されます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]
Ver 1.00 -> Ver 1.01
Build 0035 Build 0045
Are You Sure? "ENTER"

```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレーがオープンし、画面下に "**Complete**"、"**PLS PWR OFF**"と表示されます。
DISCを取り外し、再度電源を入れてください。
7. 「1)ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

メモ

RC-9010をお持ちの方は、RC-9010およびCD-9010 Panel 双方のファームウェアアップデートを行う必要があります。

4. ドライブファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のDriveファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。
- ② 本体フロントパネルのMENUボタンを押して、「MENU」画面を表示します。
- ③ DATAダイヤルを回して「6.INFORMATION」を選択し、DATAダイヤルを押します。(ENTER)
- ④ DATAダイヤルを回して「2.SYSTEM INFO」を選択し、DATAダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD v09
Panel Unit: Ver 1.01 Build 0045 PLD v01
Drive Unit: Ver W.0E
RC Unit   : Ver 1.01 Build 0045 PLD v01
Work Time : Main 55h Drv 55h RC 196h
  
```

ここで表示される「Ver」(ファームウェアバージョン)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「メインファームウェアおよびパネルファームウェア」のアップデートファイルとの混在は可能です。
- ② 本体のSTOPボタンとMONITORボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。

```

CD-9010CF UPDATE MENU
System update
Drive update
  
```

上記の画面が表示されない時は、一旦電源を切りSTOPボタンとMONITORボタンを同時に押しながら再度電源を入れてください。

STANBYボタンとMONITORボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレイがオープンし、画面に以下のように表示されます。
準備したCD-R DISCをトレイにセットし、本体のOPEN/CLOSEボタンを押して、DISCローディング→リーディング完了を待ちます。

```

System update mode.
Insert CD,
including update file.
  
```

- ⑤ ディスクローディングが完了すると、以下の画面が表示されます。

```

Drive update mode.
Insert CD,
including update file.
Ver. W.0E to W.0G
Press ENTER to execute update.
  
```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレイがオープンし、画面下に「update OK. Turn system power off…」と表示されます。
DISCを取り外し、再度電源を入れてください。
- ⑦ 「1)ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

アナログリファレンスレベルの設定

アナログ出力のリファレンスレベルを設定します。
アナログオーディオ出力では、デジタル基準レベルのデジタル音声
がアナログ出力基準レベルのアナログ音声として出力されます。

1. MENU ボタンを押して、"MENU"画面を表示します。
2. "SYSTEM"メニュー画面を表示します。
3. "ANALOG REF LVL"項目を選択(反転表示)します。

MENU	
1	DIGITAL REF LVL <u>-18dBFS</u>
2	ANALOG REF LVL <u>+4dBu</u>
3	ANALOG REF ADJ L <u>0.0dB</u>
4	ANALOG REF ADJ R <u>0.0dB</u>
5	ONLINE FUNCTION <u>SWTCH.OK</u>
6	CLOCK MASTER <u>INT</u>

4. DATAダイヤルを押してカーソルが右側に移動し、設定項目を選択(反転表示)状態にします。
5. DATAダイヤルを回して、アナログリファレンスレベルを設定します。アナログリファレンスの設定値は、"DIGITAL REF LVL"項目の設定により、選択できる値が異なります。

DIGITAL REF LVLの設定値	ANALOG REF LVLの設定値
-9dBFS時	+6dBu固定
-9dBFS以外	-20dBu、+4dBu(初期値)

メモ

本設定は、LINE OUTPUTS端子についてのみ適用されます。

6. 設定が終了したら、HOMEボタンを押してホーム画面に戻ります。

メモ

アナログリファレンスレベルの設定は、電源をオフにしても保持されます。

アナログリファレンスレベルを調節する

アナログ出力のリファレンスレベルを調節します。Lチャンネル、Rチャンネルのそれぞれ別々に調節することができます。

1. MENU ボタンを押して、"MENU"画面を表示します。
2. "SYSTEM2"メニュー画面を表示します。
3. "ANALOG REF ADJ L"項目または"ANALOG REF ADJ R"項目を選択(反転表示)します。

MENU	
1	DIGITAL REF LVL <u>-18dBFS</u>
2	ANALOG REF LVL <u>+4dBu</u>
3	ANALOG REF ADJ L <u>0.0dB</u>
4	ANALOG REF ADJ R <u>0.0dB</u>
5	ONLINE FUNCTION <u>SWTCH.OK</u>
6	CLOCK MASTER <u>INT</u>

4. DATAダイヤルを押してカーソルが右側に移動し、設定項目を選択(反転表示)状態にします。
5. DATAダイヤルを回して、アナログリファレンスレベルを調節します。
設定範囲:"6.0dB" ~ "+6.0dB"(初期値:"0dB"、"0.1dB"単位)
6. 設定が終了したら、HOMEボタンを押してホーム画面に戻ります。

メモ

- 本設定は、LINE OUTPUTS端子についてのみ適用されます。
- アナログリファレンスレベルの設定は、電源をオフにしても保持されます。

エラーメッセージ

以下のエラーメッセージがディスプレイにポップアップ表示されたときは、**DATA** ダイヤルを押して、メッセージ表示を閉じてから原因を解消してください。それでも改善しない場合は、お買い上げ店またはティアック修理センター（裏表紙）にご相談ください。

	1行目	2行目	内容
1	- error -	DECODE	WAVファイルの再生に失敗しました。
2	- error -	MIX DISC	WAV形式のファイルと、オーディオCD形式のファイルが混在したディスクです。
3	- error -	MEMORY READ	選択したデバイスのメディアがセットされていないため、リッピングが実行できません。
4	- error -	TRACK	ディスクに書き込まれたファイルが再生不可能なファイル形式のため、再生できません。
5	- error -	CF WRITE	CFカードへの書き込みに失敗しました。

警告メッセージ

操作を受け付けられない場合は、以下のような警告メッセージをディスプレイにポップアップ表示します。警告メッセージは、約2秒間表示された後、自動的に消えます。

	1行目	2行目	内容
1	- caution -	MEDIA FULL	メディアの記録領域が不足しているため、リッピングができません。
2	- caution -	TRACK FULL	最大記録トラック数(999トラック)に達しているため、リッピングができません。
3	- caution -	NOT EXECUTE	編集の実行に失敗しました。
4	- caution -	CAN'T EDIT	システムの制限により編集ができません。
5	- caution -	CAN'T SELECT	システムの制限により選択/実行ができません。
6	- caution -	TRK PROTECT	保護されたトラックのため、編集ができません。
7	- caution -	NAME FULL	名前が最大文字数に達しています。
8	- caution -	PROGRAM FULL	プログラム内のトラック数が最大数に達しているため、登録できません。
9	- caution -	SAME NAME	名前が重複しています。

動作メッセージ

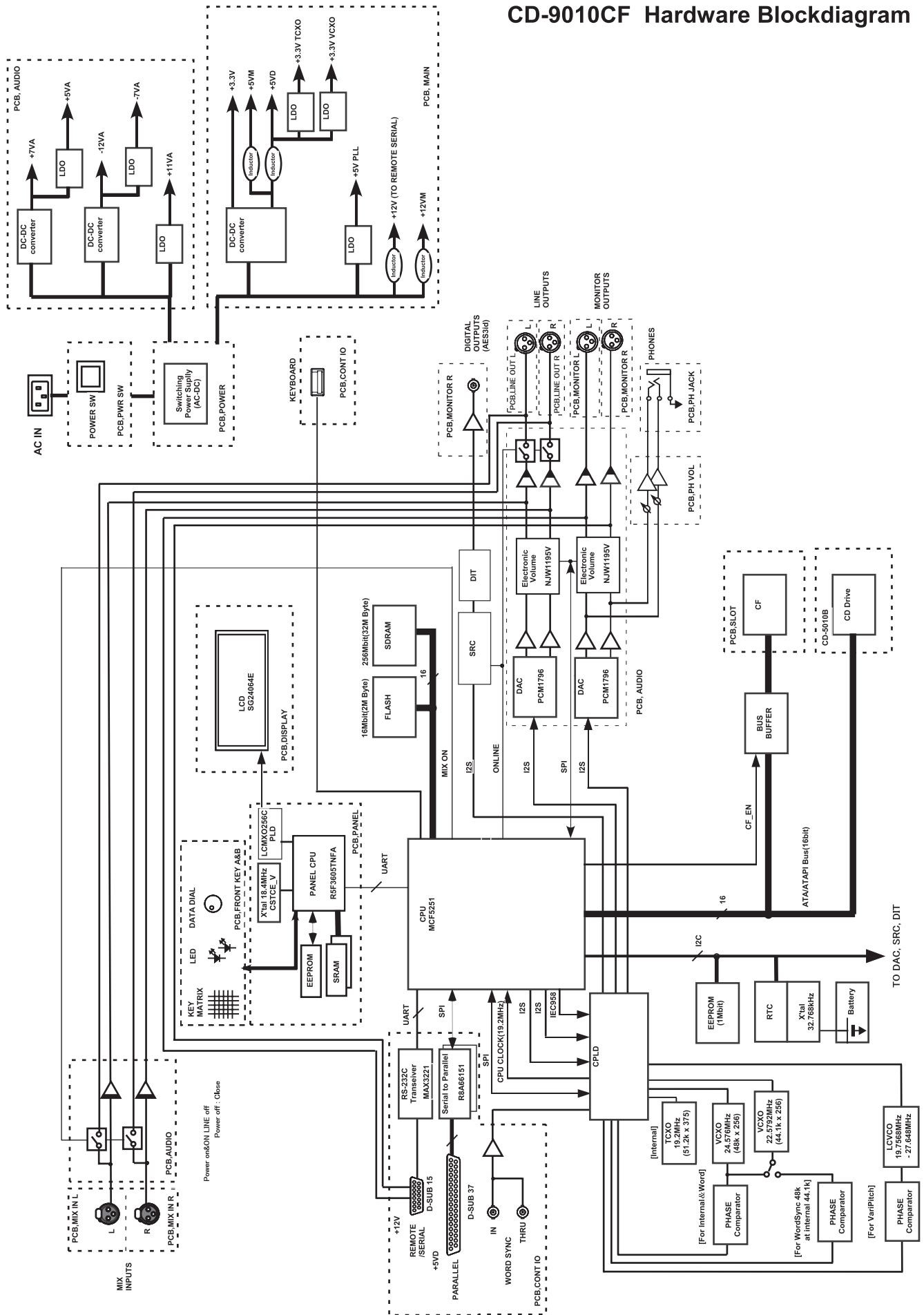
必要に応じてディスプレイの時間表示部に、以下のメッセージが表示されます。

	1行目	内容
1	CLOSE	ディスクトレイを閉じています。
2	DEVICE ERROR	デバイスが認識できません。サービスへお問い合わせください。
3	MEDIA ERROR	再生可能なメディアではありません。
4	MEDIA READING	メディア読み込み中です。
5	NO MEDIA	カレントデバイスのメディアが挿入されていません。
6	OPEN	ディスクトレイを開いています。
7	POWER ON	システムが起動初期化中です。
8	RIPPING	CDをCFカードにリッピング(変換コピー)中です。
9	UNKNOWN	FAT以外でファイル形式されたメディアです。本機で使用する場合は、フォーマットを行ってください。対応していないディスクです(DVD、ハイブリッドではないSACDなど)。オーディオCD、もしくはWAVファイルが記録されたデータCDをご使用ください。

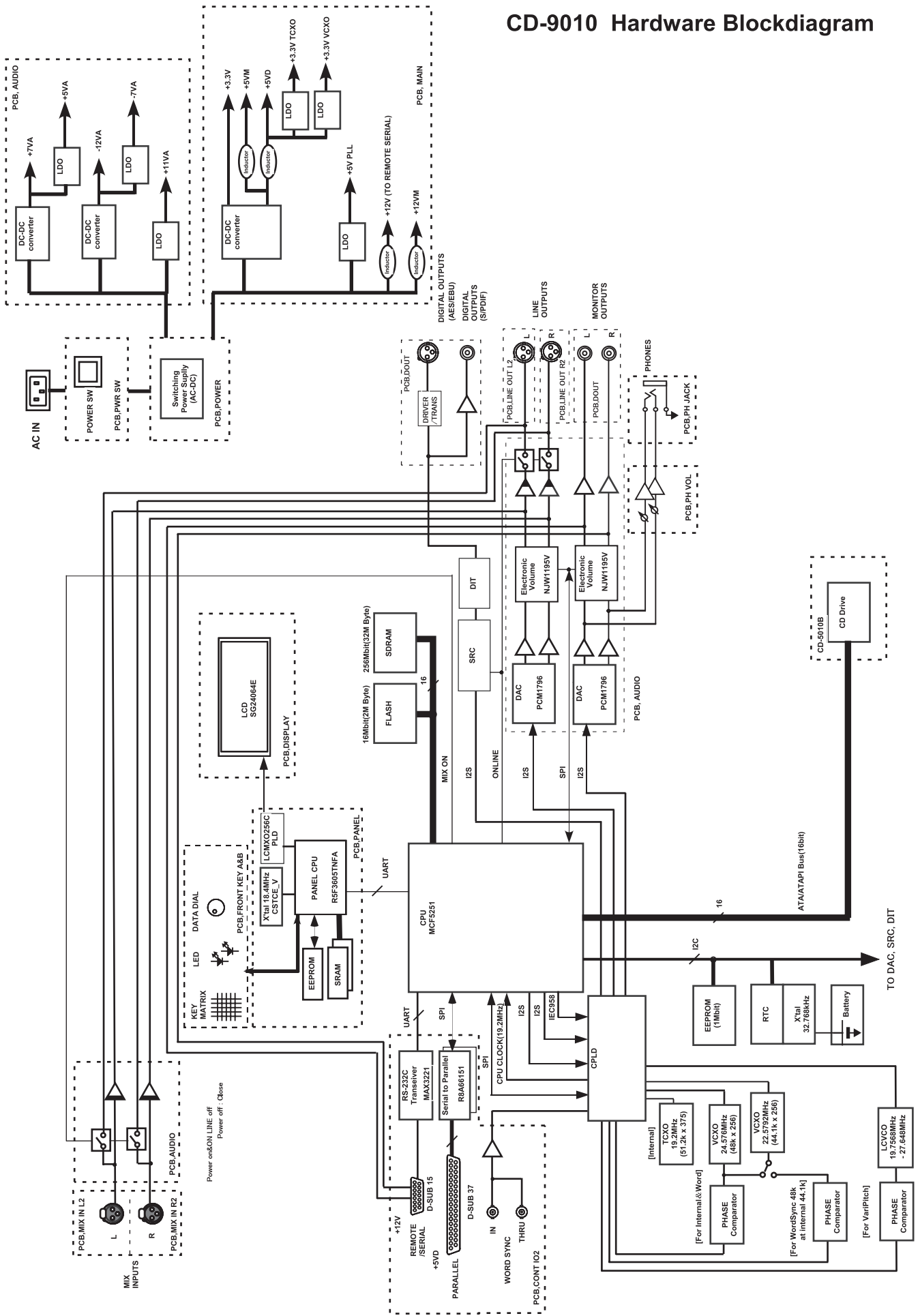
Hardware Block Diagram

ハードブロックダイアグラム

CD-9010CF Hardware Blockdiagram



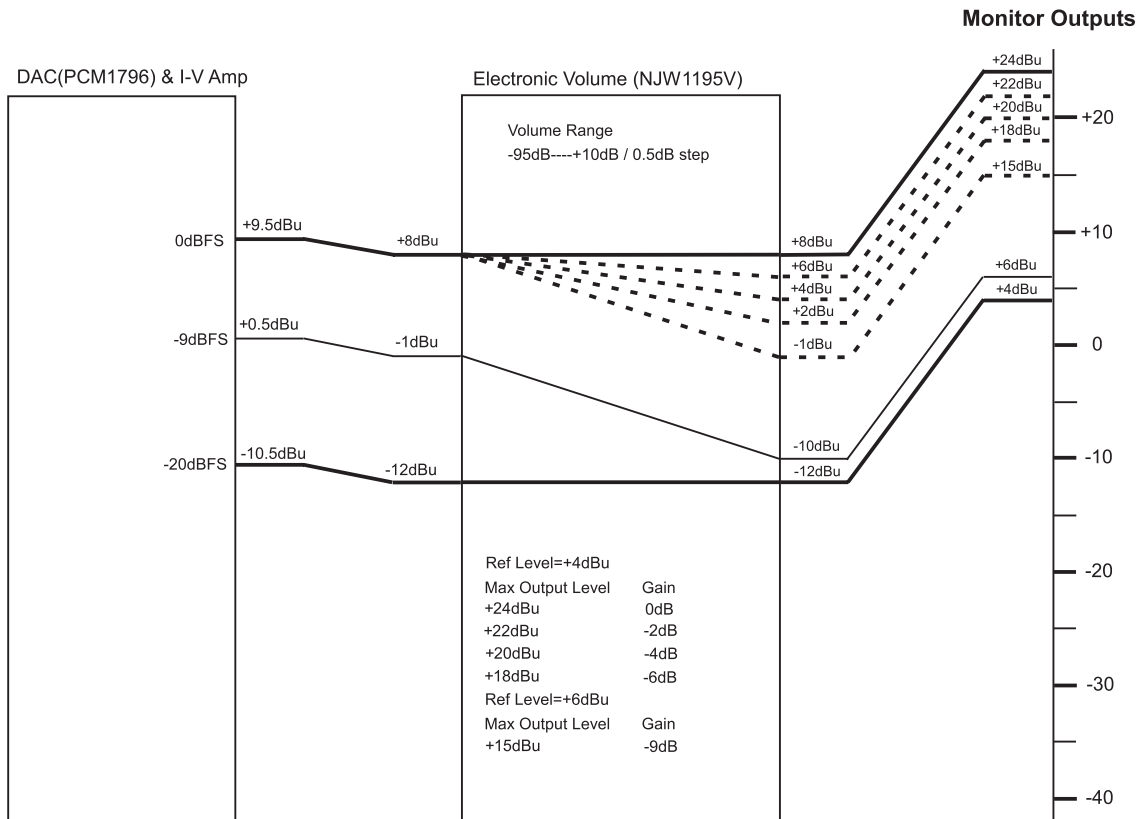
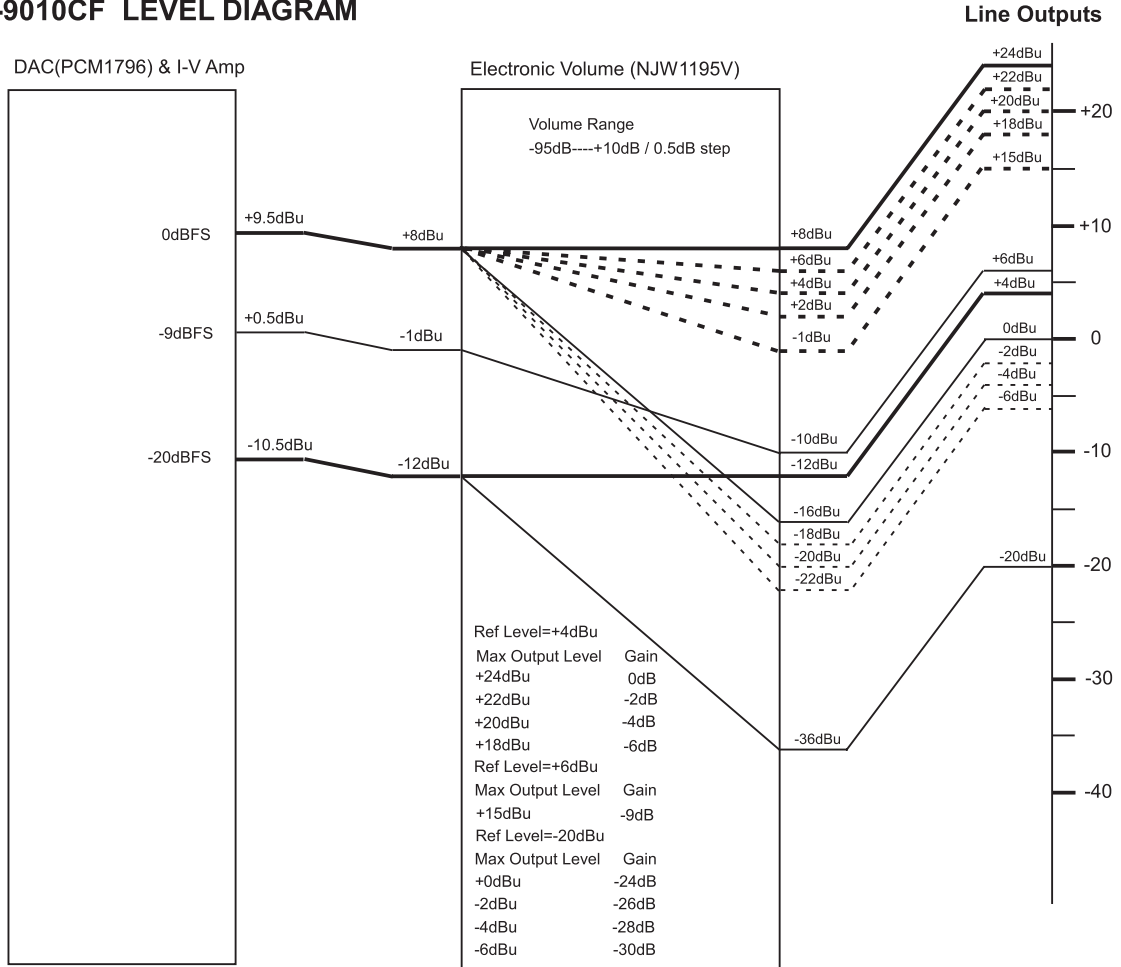
CD-9010 Hardware Blockdiagram



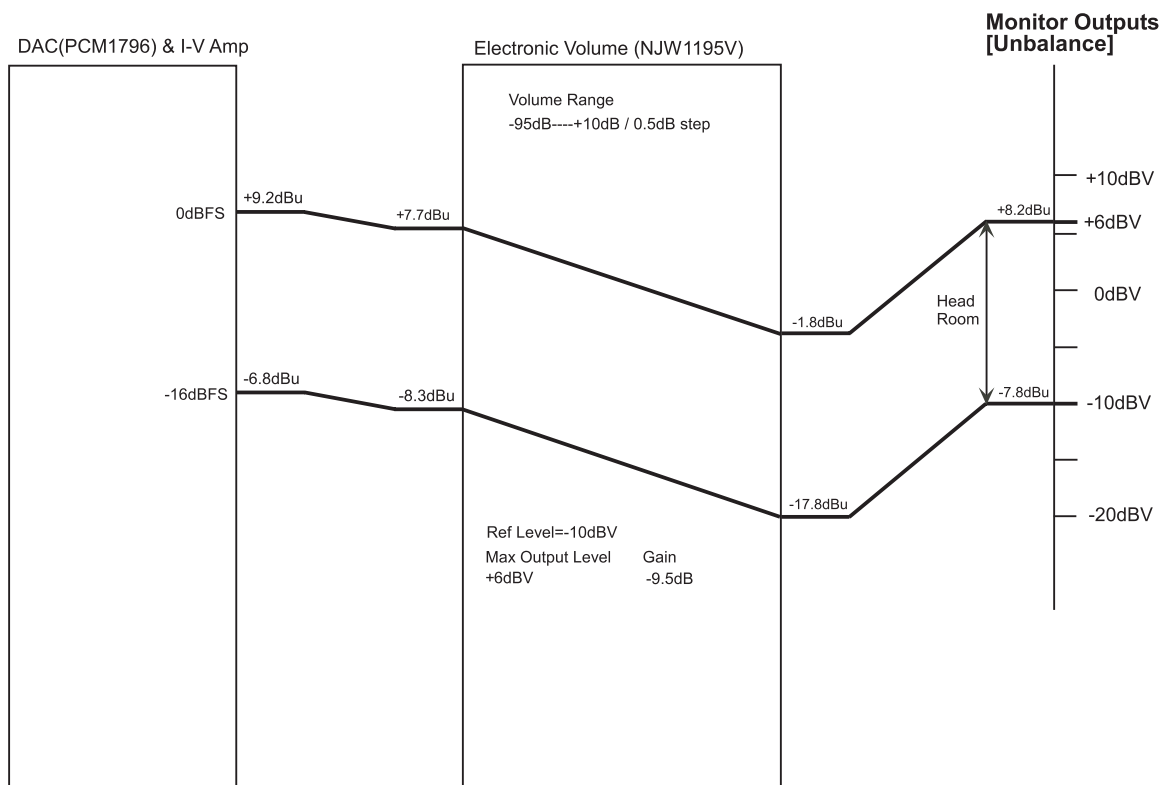
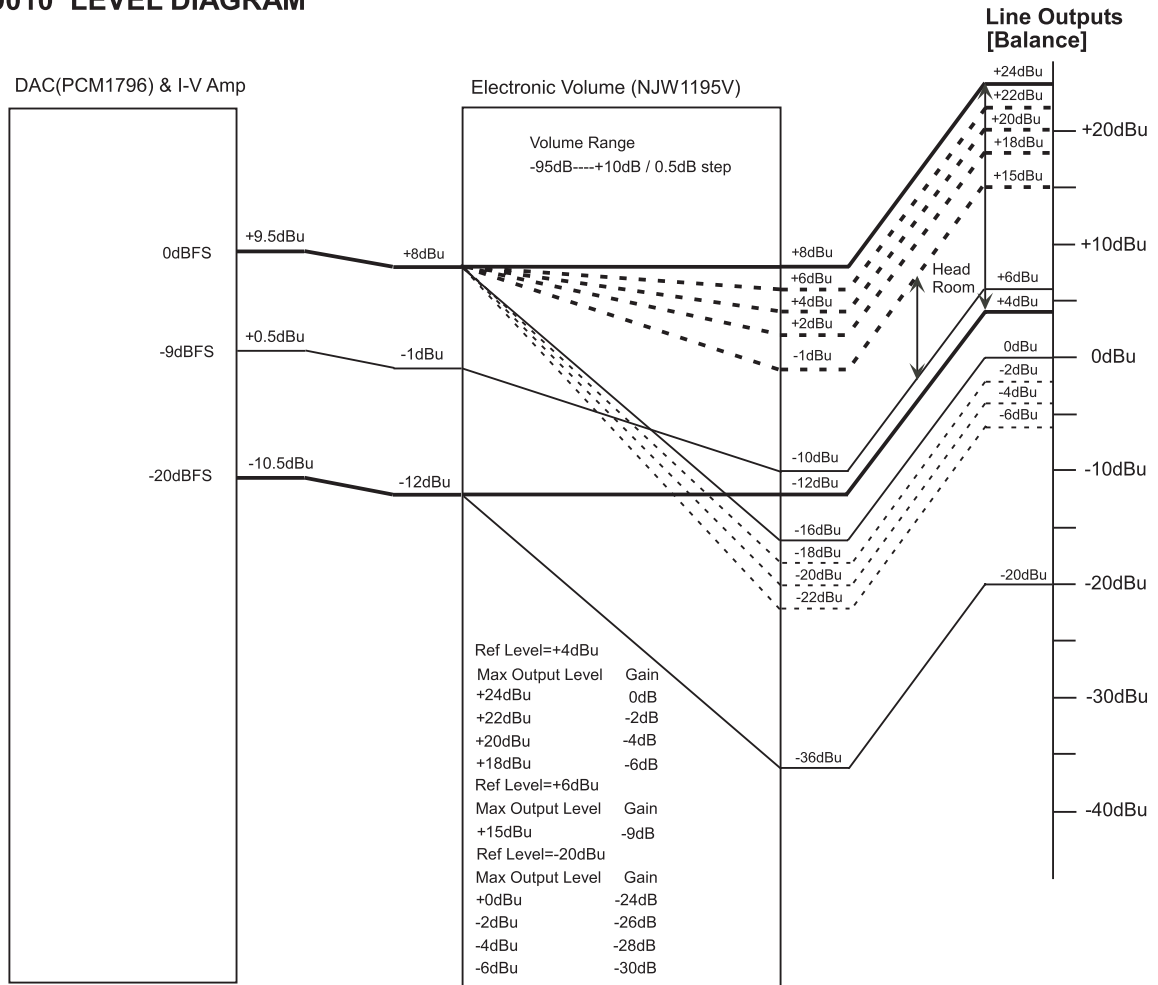
LEVEL Diagram

レベルダイアグラム

CD-9010CF LEVEL DIAGRAM

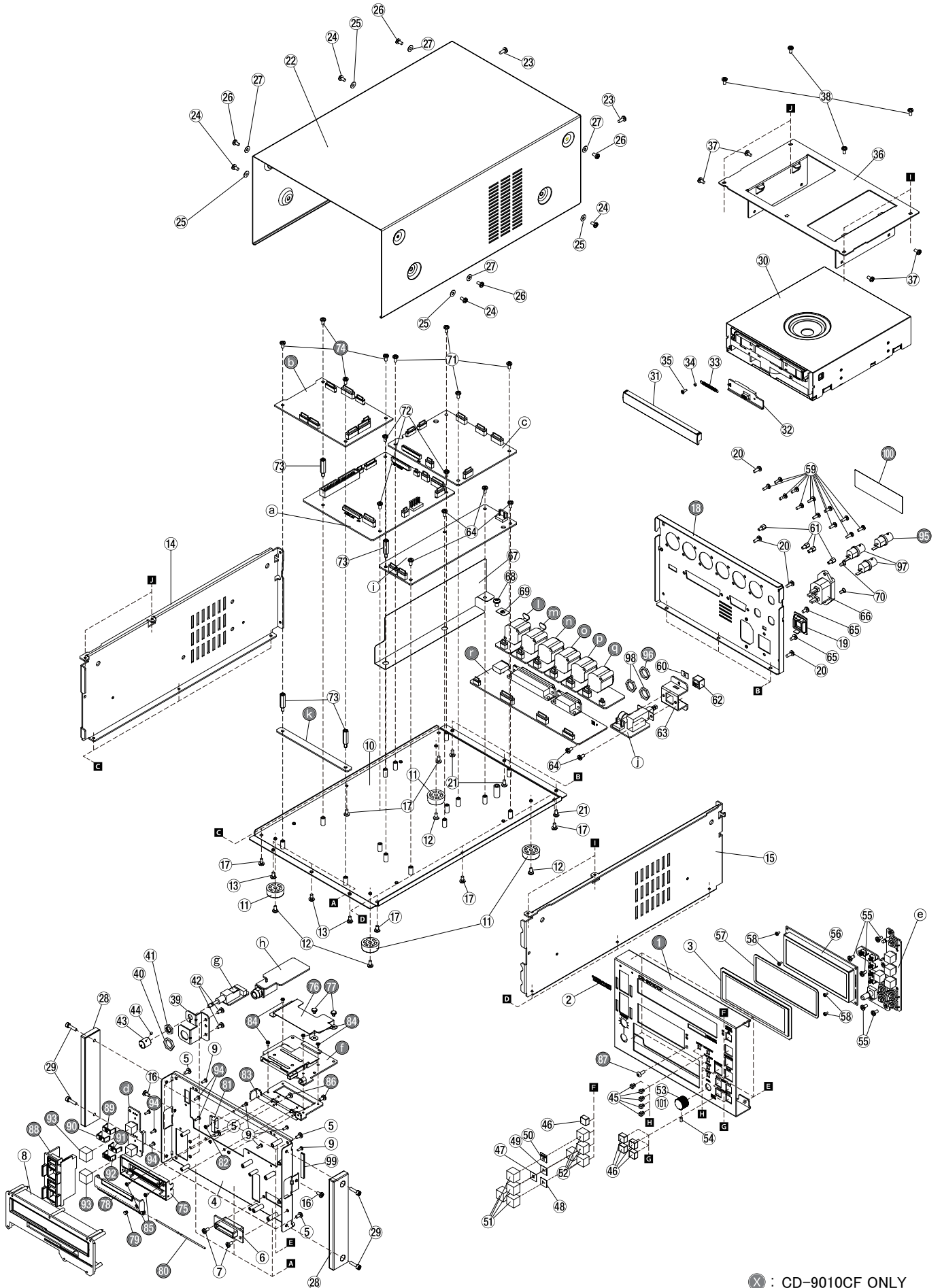


CD-9010 LEVEL DIAGRAM



Exploded Views and Parts List

分解図とパーツリスト



X : CD-9010CF ONLY

Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
1	M03371000x	FR PANEL,KCPCFQ G	1	CD-9010CF
1	M03371010x	FR PANEL,KCPCFQ G	1	CD-9010
2	3M0134900x	BADGE TASCAM SILVER G	1	
3	M03373200x	WINDOW,DISPLAY KCPCFQ G	1	
4	M03371600x	CHASSIS,FR KCPCFQ G	1	
5	3B0704806A	SCREW,FPA 3*6 FNI G	4	
6	M03141600x	COVER,FFC HS-8 G	1	
7	B00174006x	SCREW,BPA 3*6 FZC G	2	
8	M03372400x	ESC,DRIVE KCPCFQ G	1	
9	B00199206x	SCREW,BPB 2*6 FZC G	5	
10	M03371200x	BOT PANEL,KCPCFQ G	1	
11	3M001950	FOOT,21MM G	4	
12	B00197806x	SCREW,PPSU 3*6 FZC G	4	
13	B00174006A	SCREW,BPA 3*6 FZC G	3	
14	M03371700x	CHASSIS,SIDE L KCPCFQ G	1	
15	M03371800x	CHASSIS,SIDE R KCPCFQ G	1	
16	B00174006x	SCREW,BPA 3*6 FZC G	2	
17	B00174006x	SCREW,BPA 3*6 FZC G	6	
18	M03371100x	REAR PANEL,KCPCFQ G	1	CD-9010CF
18	M03371110x	REAR PANEL,KCPCFQ G	1	CD-9010
19	M01334900x	ESCUTCHEON,POWERCD-RW402G	1	
20	B00170608x	SCREW,VPCR 3*8 FZB G	4	
21	B00174006x	SCREW,BPA 3*6 FZC G	3	
22	M03371300x	BONNET,KCPCFQ G	1	
23	B00170608x	SCREW,VPCR 3*8 FZB G	2	
24	B00197606x	SCREW,PPSU 3*6 FZB G	4	
25	3M002020	FIBER WSHR,3X8X0.3T BLK	4	
26	B00171406x	SCREW,BPA 3*6 FZB G	4	
27	3M002020	FIBER WSHR,3X8X0.3T BLK	4	
28	M03371400x	SIDE PNL,KCPCFQ G	2	
29	B00286512x	SCREW,YHA 3*12 FIN	4	
30	1C77237051	CD-5010B-051	1	
31	M03372500x	ESC,TRAY KCPCFQ G	1	
32	M03372900x	KNOB,SLIDE KCPCFQ G	1	
33	M03373300x	TNSN SPR,KNOB KCPCFQ G	1	
34	M03373400x	COLLAR,SPR KCPCFQ G	1	
35	B00199206x	SCREW,BPB 2*6 FZC G	1	
36	M03371900x	BRACKET,DRIVE KCPCFQ G	1	
37	B00174006x	SCREW,BPA 3*6 FZC G	4	
38	B00174006x	SCREW,BPA 3*6 FZC G	4	
39	M03372000x	BRACKET,PH KCPCFQ G	1	
40	3M0131000x	NUT, M12X2.3 G	1	
41	-	(NUT M7)	1	
42	B00174006x	SCREW,BPA 3*6 FZC G	2	
43	M03011600x	KNOB,VOL HD-P8 G	1	
44	B00327435x	SCREW,YHT 2*3.5 FZZ G	1	
45	M0339040	BUTTON,ALPS SK2AA00440 G	5	
46	M0339050	BUTTON,OMRON B32-1210 G	5	
47	M03139800x	SHEET,READY RCHS20PD G	1	

Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
48	M03139900x	SHEET,PLAY RCHS20PD G	1	
49	M03378900x	SHEET,MONITOR KCPCFQ G	1	
50	M03379000x	SHEET,STOP KCPCFQ G	1	
51	M0339010	BUTTON,NP01-ASALCN-106P G	4	
52	M0339020	BUTTON,NP01-ASALCN-106Q G	4	
53	M03395100x	KNOB,ENC KCPCFQ G	1	
54	B00335005x	SCREW,YHT M2.6*5 FNI G	1	
55	3B0704806x	SCREW,FPA 3*6 FNI G	5	
56	Y00572300x	LCD ASSY,RC9010 G	1	
57	M03404400x	CUSHION,LCD CFQ G	1	
58	B00311704x	SCREW,BPA 2*4 FNI G	4	
59	B00199608x	SCREW,BPB 2.6*8 FZB G	*	* CD-9010CF : 12、 CD-9010 : 10
60	M03239200x	SHEET,CVR SW KECED G	1	
61	3B0013000x	D-SUB SCREW 003-HEX G	4	
62	M01335103x	BUTTON,POWER HS-8 G	1	
63	M03372100x	BRACKET,PSW KCPCFQ G	1	
64	B00174006x	SCREW,BPA 3*6 FZC G	6	
65	B00171406x	SCREW,BPA 3*6 FZB G	2	
66	Y00569300x	AC INLET ASSY,KCPCFQ G	1	
66-1	E0173610	CONN,INLET AC-P17CS43 G	1	⚠
66-2	E01794100A	HARN ASSY,AC CD9010 G	1	
66-3	E01794200A	HARN ASSY,EARTH CD9010 G	1	
66-4	3E0212000A	TUBE,SHEER PVC 5.0*25MM-G	3	
66-5	3M000870	CABL BAND,100MM DS-8432-G	1	
66-6	E0170720	CORE,FERRITE TFC-16816 G	1	
67	M03376900x	SHEET,PC INSULATION CFQ G	1	
68	B00198706x	SCREW,BPS 4*6 FZB G	1	
69	M03366500x	LABEL,MARK EARTH 14x10 G	1	
70	B00329400x	SCREW,FPA 3*6 FZB G	2	
71	B00174006x	SCREW,BPA 3*6 FZC G	4	
72	B00174006x	SCREW,BPA 3*6 FZC G	3	
73	B00235500x	SPACER,SQ-18 G	4	
74	B00174006x	SCREW,BPA 3*6 FZC G	4	
75	M03372600x	ESC,SLOT KCPCFQ G	1	CD-9010CF
76	M03377000x	SHEET,PC SLOT KCPCFQ G	1	↑
77	3M0265700x	SNAP RIVET(SR3-4.5) G	2	↑
78	M03373000x	DOOR,KCPCFQ G	1	↑
79	M02759100x	COVER,DOOR SS-R1 G	1	↑
80	M03373500x	SHAFT,DOOR KCPCFQ G	1	↑
81	M03394200x	LEAF SPRING,KCPCFQ G	1	↑
82	B00311704x	SCREW,BPA 2*4 FNI G	1	↑
83	M03372300x	BRACKET,SLOT KCPCFQ G	1	↑
84	B00311704x	SCREW,BPA 2*4 FNI G	4	↑
85	B00311704x	SCREW,BPA 2*4 FNI G	2	↑
86	B00174006x	SCREW,BPA 3*6 FZC G	2	↑
87	B00334300x	SCREW,ZHA3*8FZB G	1	↑
88	M03372700x	ESC,INDICATOR KCPCFQ G	1	↑
89	M03373101x	LENS,CD KCPCFQ G	1	↑
90	M03373102x	LENS,CF KCPCFQ G	1	↑

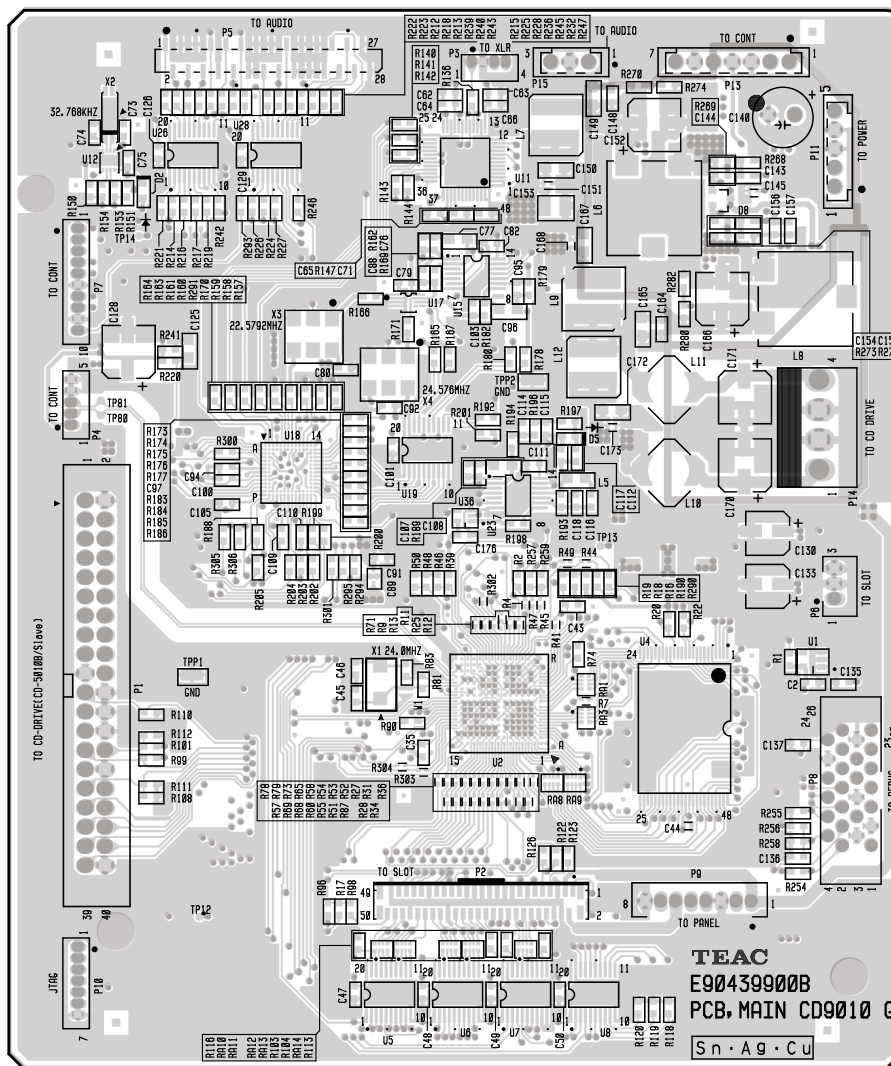
Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
91	M03373103x	LENS,ST KCPCFQ G	1	↑
92	M03373104x	LENS,MONO KCPCFQ G	1	↑
93	M0339030	BUTTON,NP01-ASANGZ G	2	↑
94	B00199206x	SCREW,BPB 2*6 FZC G	5	↑
95	Y00571500x	BNC DIGITAL ASSY,CFQ G	1	↑
96	-	(NUT M12)	1	↑
97	Y00571600x	BNC WORD ASSY,CFQ G	2	
98	-	(NUT M12)	2	
99	M0306110	TAPE,ACETATE NO156A 10MMG	15mm	
100	M03423100x	LABEL,NP CD9010CF G	1	CD-9010CF
100	M03423400x	LABEL,NP CD9010 G	1	CD-9010
101	M03459800x	CUSHION,KNOB RC9010 G	1	
102	B00199708x	SCREW,BPB 3*8 FZB G	2	CD-9010
a	E95439900x	PCB ASSY,MAIN CD9010 G	1	
b	E95440000x	PCB ASSY,PANEL CD9010 G	1	CD-9010CF
b	E95440030x	PCB ASSY,PANEL2 CD9010 G	1	CD-9010
c	E95440100x	PCB ASSY,AUDIO CD9010 G	2	
d	E95440200x	PCB ASSY,F-KEY A CD9010 G	1	CD-9010CF
e	E95440300x	PCB ASSY,F-KEY B CD9010 G	1	
f	E95440400x	PCB ASSY,SLOT CD9010 G	1	CD-9010CF
g	E95440500x	PCB ASSY,VOL CD9010 G	1	
h	E95440600x	PCB ASSY,PHONES CD9010 G	1	
i	E95440700x	PCB ASSY,POWER CD9010 G	1	
j	E95440800x	PCB ASSY,PSW CD9010 G	1	
k	E90440900x	PCB,DUMMY CD9010 G	1	CD-9010CF
k	E90454500x	PCB,DUMMY2 CD9010 G	1	CD-9010
l	E95448800x	PCB ASSY,MIX IN L CD9010G	1	CD-9010CF
l	E95453800x	PCBA,MIX IN L2 CD9010G	1	CD-9010
m	E95448900x	PCB ASSY,MIX IN R CD9010G	1	CD-9010CF
m	E95453900x	PCBA,MIX IN R2 CD9010G	1	CD-9010
n	E95449000x	PCBA,LINE OUT L CD9010G	1	CD-9010CF
n	E95454000x	PCBA,LINE OUT L2 CD9010G	1	CD-9010
o	E95449100x	PCBA,LINE OUT R CD9010G	1	CD-9010CF
o	E95454100x	PCBA,LINE OUT R2 CD9010G	1	CD-9010
p	E95449200x	PCBA,MONITOR L CD9010G	1	CD-9010CF
q	E95449300x	PCBA,MONITOR R CD9010G	1	CD-9010CF
r	E95441000x	PCB ASSY,CONT IO CD9010 G	1	CD-9010CF
r	E95454200x	PCBA,CONT IO2 CD9010 G	1	CD-9010
s	E95454300x	PCB ASSY,DOUT CD9010 G	1	CD-9010

PC Boards and Parts List

基板図とパーツリスト

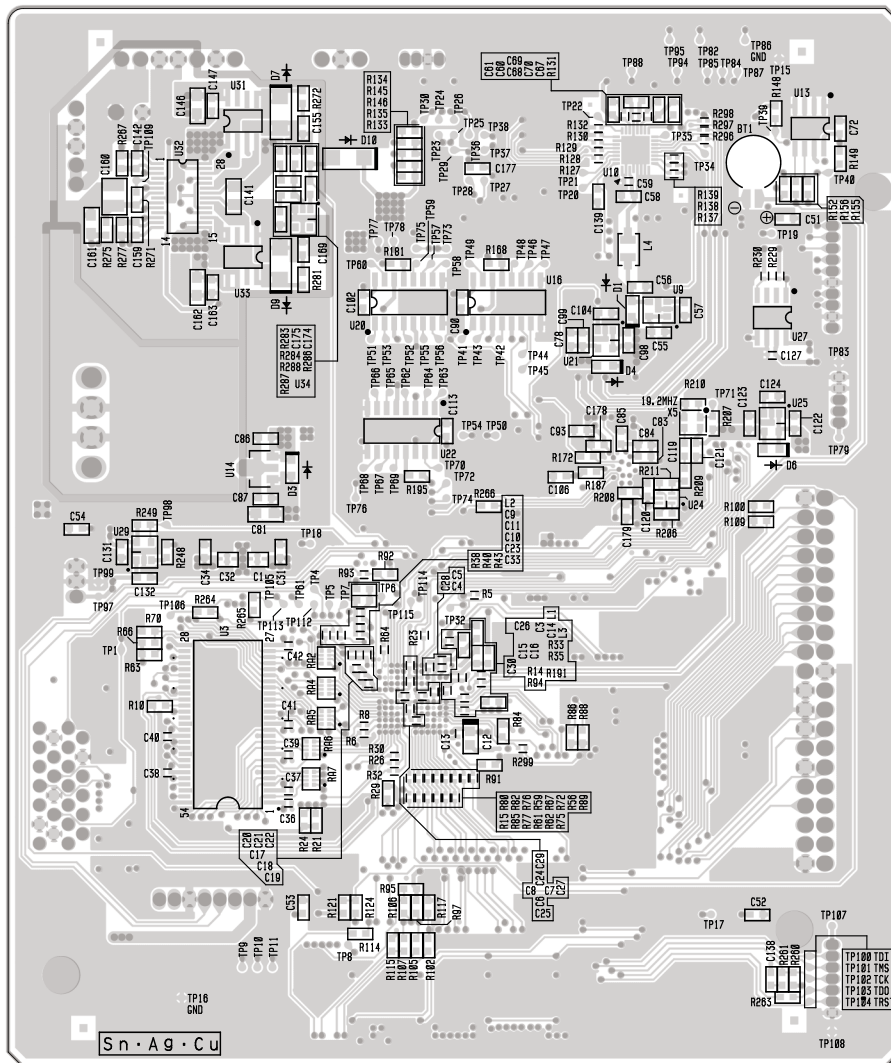
E95439900A PCB ASSY, MAIN CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

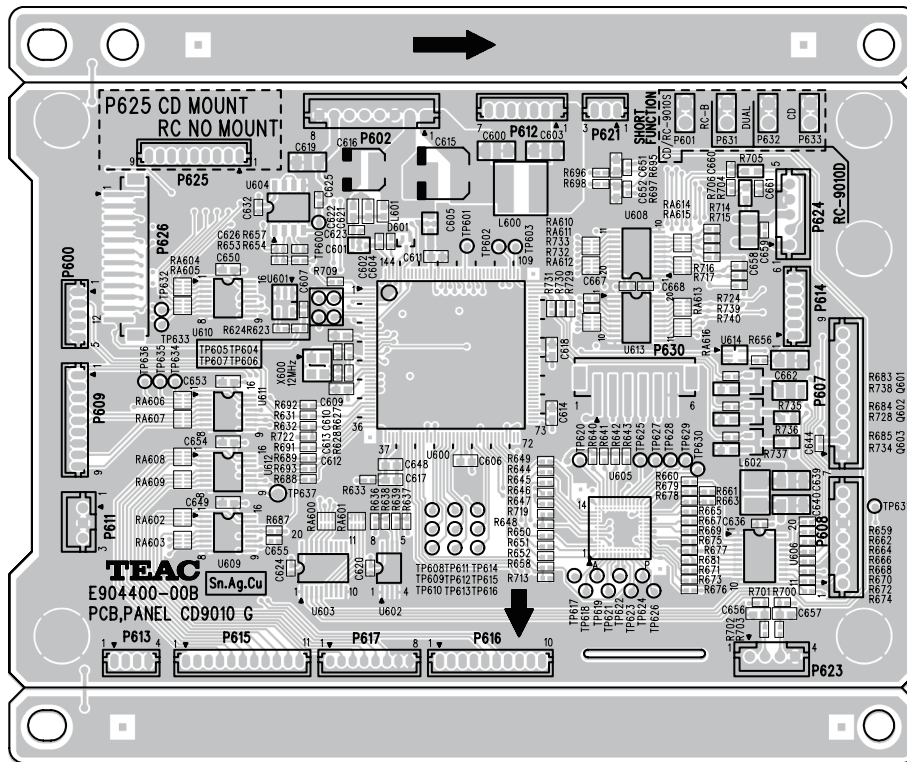
E95439900A PCB ASSY, MAIN CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

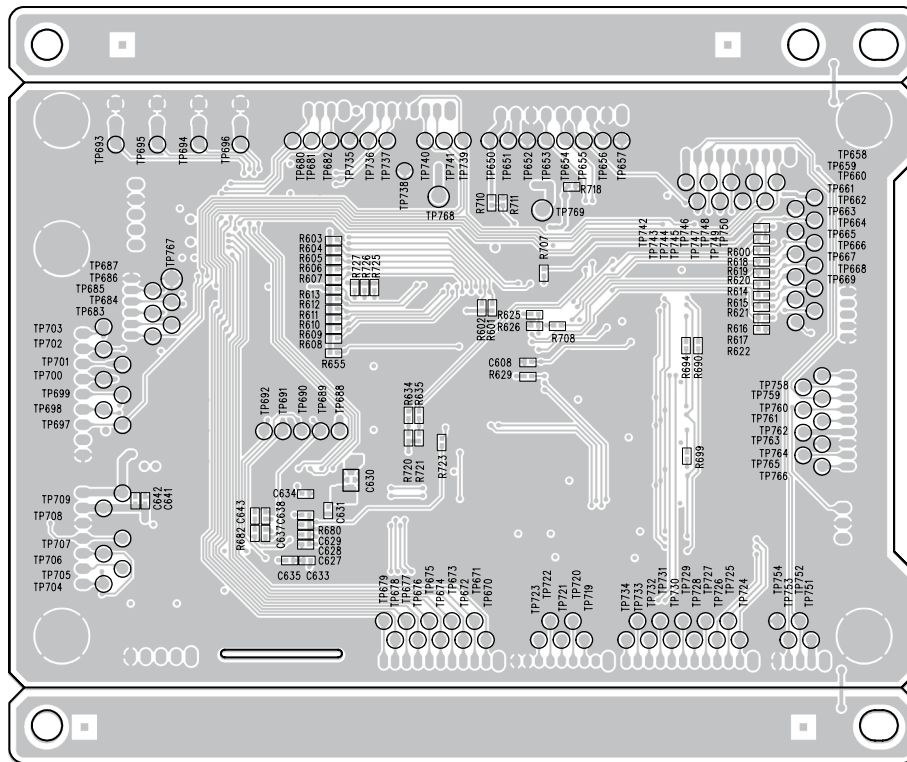
E9544000A PCB ASSY,PANEL CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

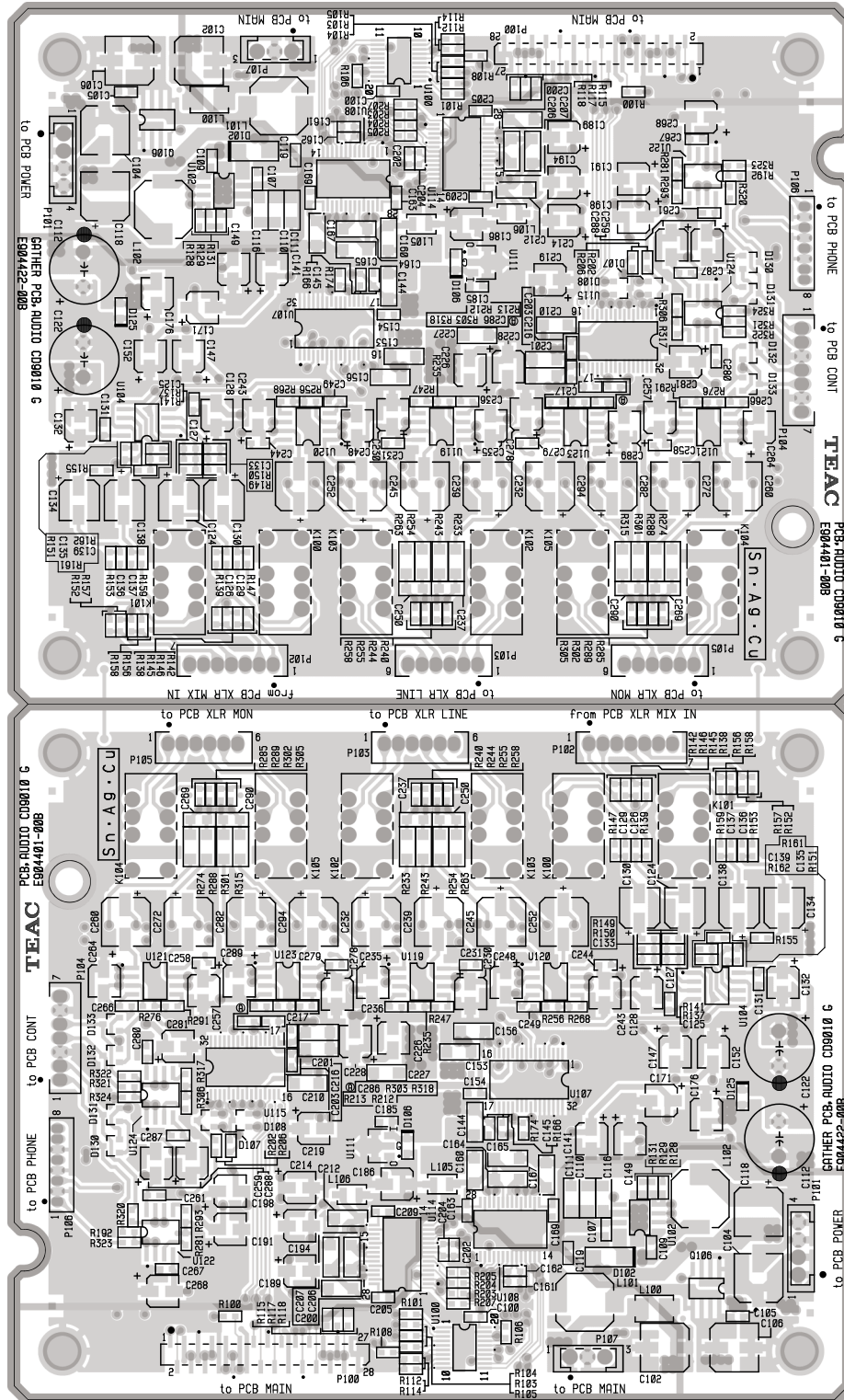
E9544000A PCB ASSY,PANEL CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

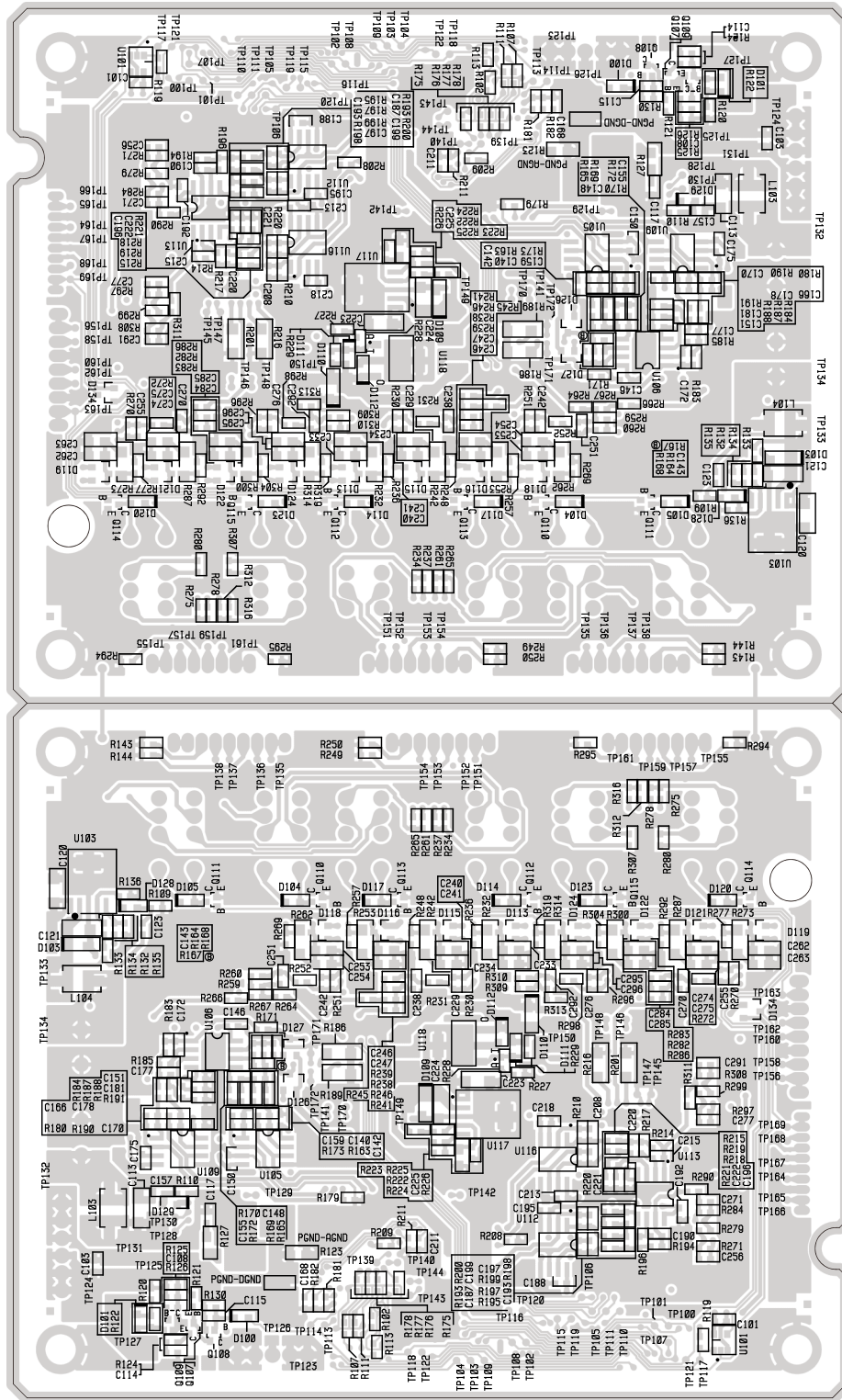
E95442200A GPCBA,AUDIO CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

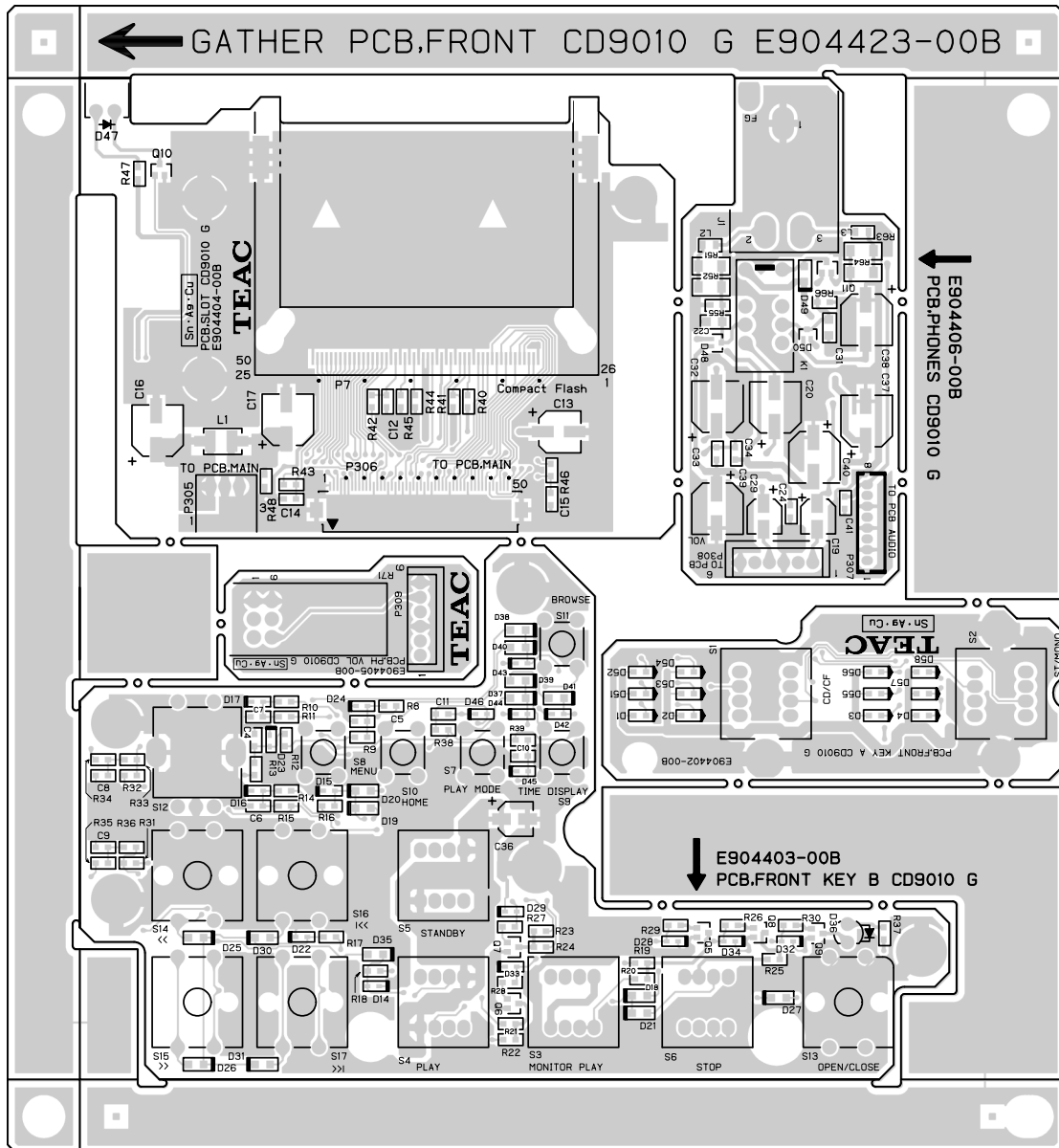
E95442200A GPCBA,AUDIO CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

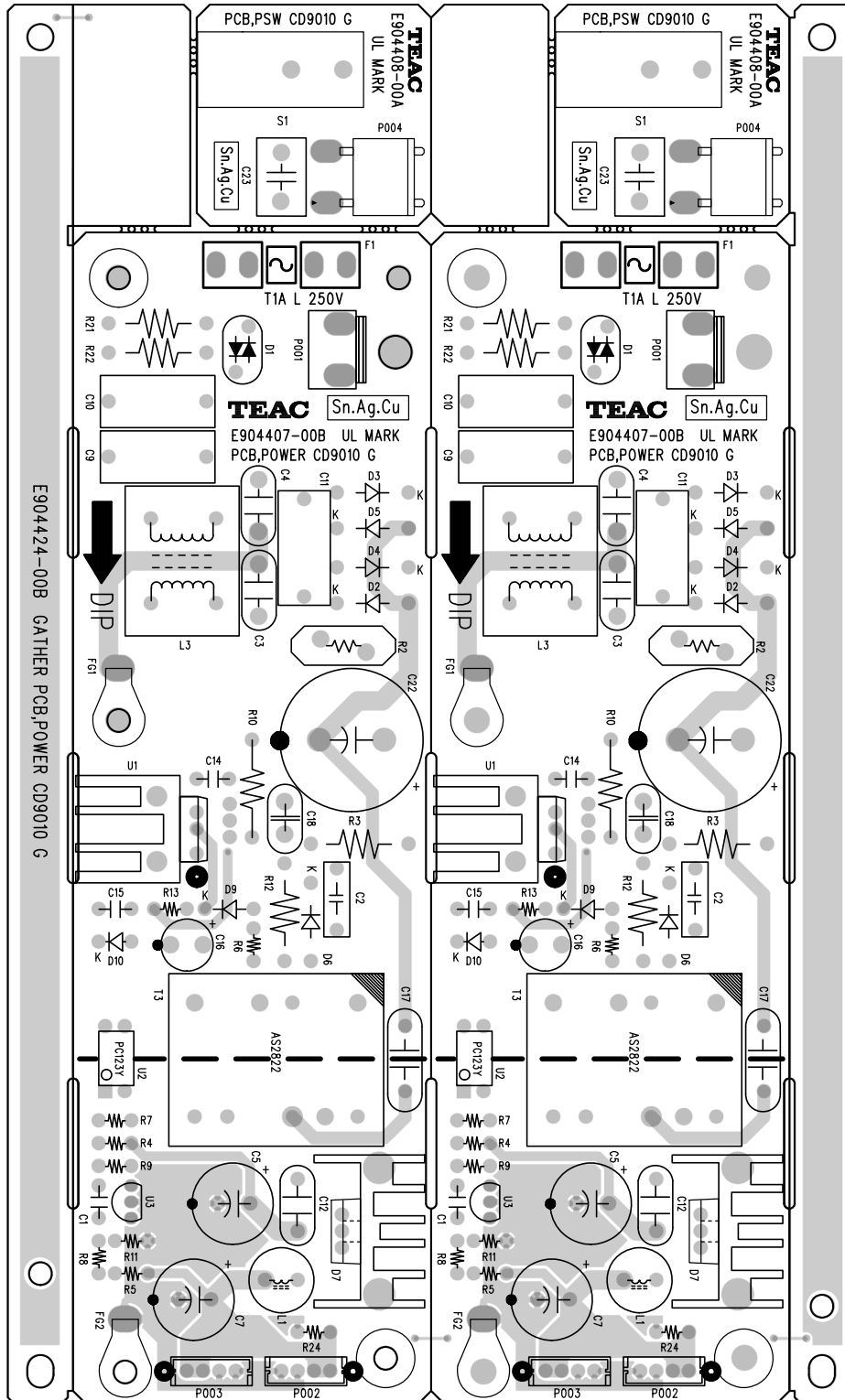
E95442300A GPCBA,FRONT CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

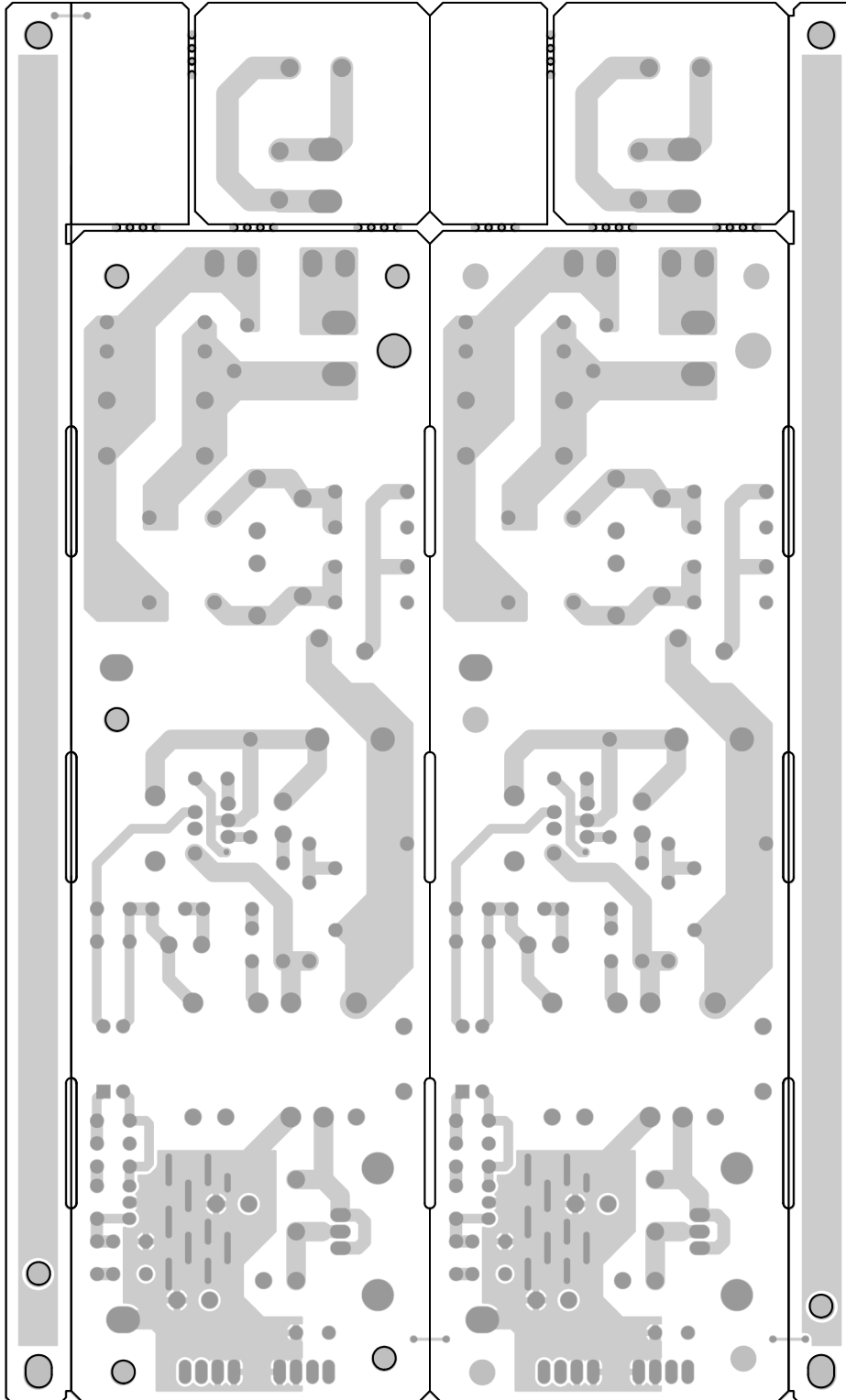
E95442400A GPCBA,POWER CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

E95442400A GPCBA,POWER CD9010 G

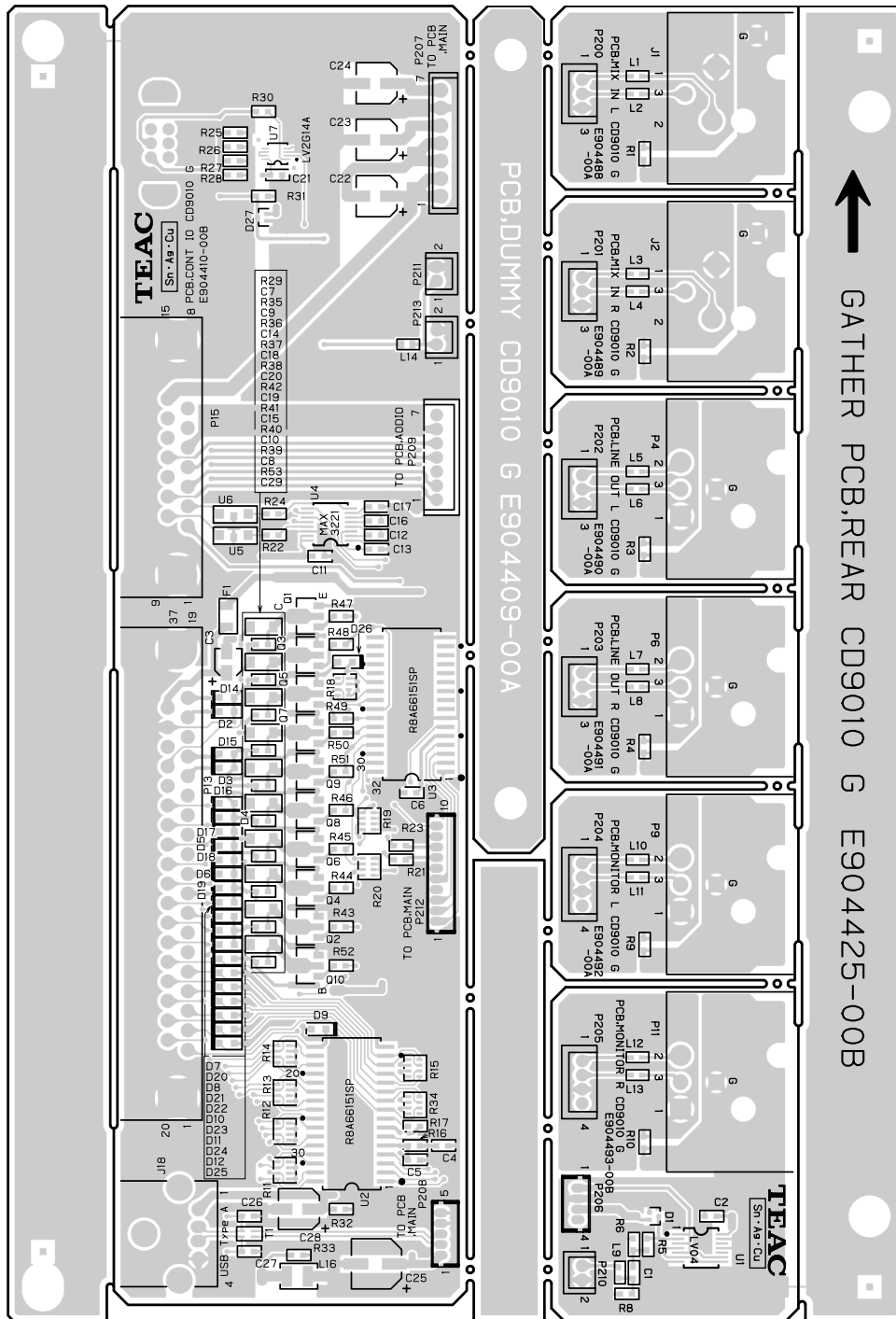


CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

- 31 -

注意 破線部分は、太字品番で発注する補修部品になります。

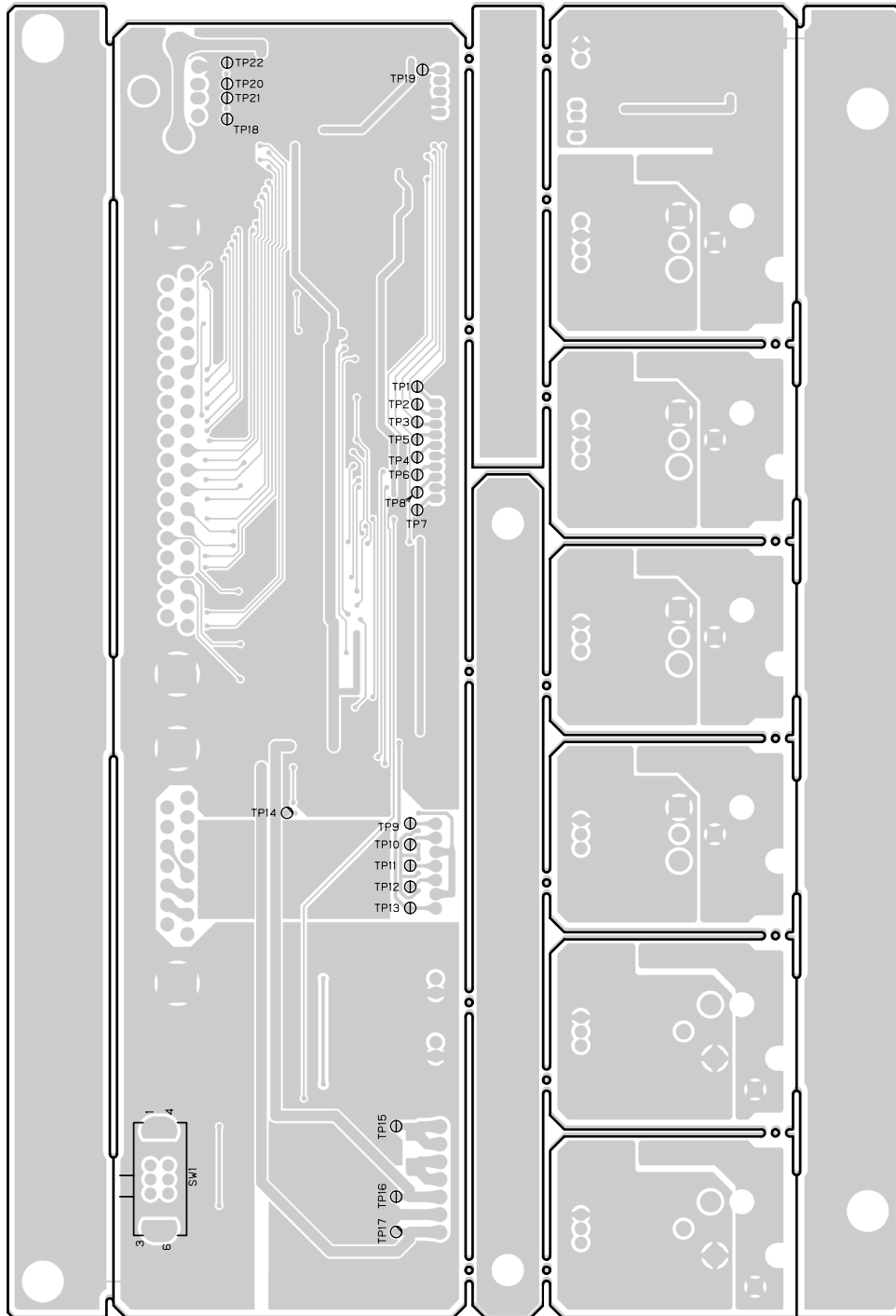
E95442500A GATHER PCBA,REAR CD9010 G –(CD-9010CF Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

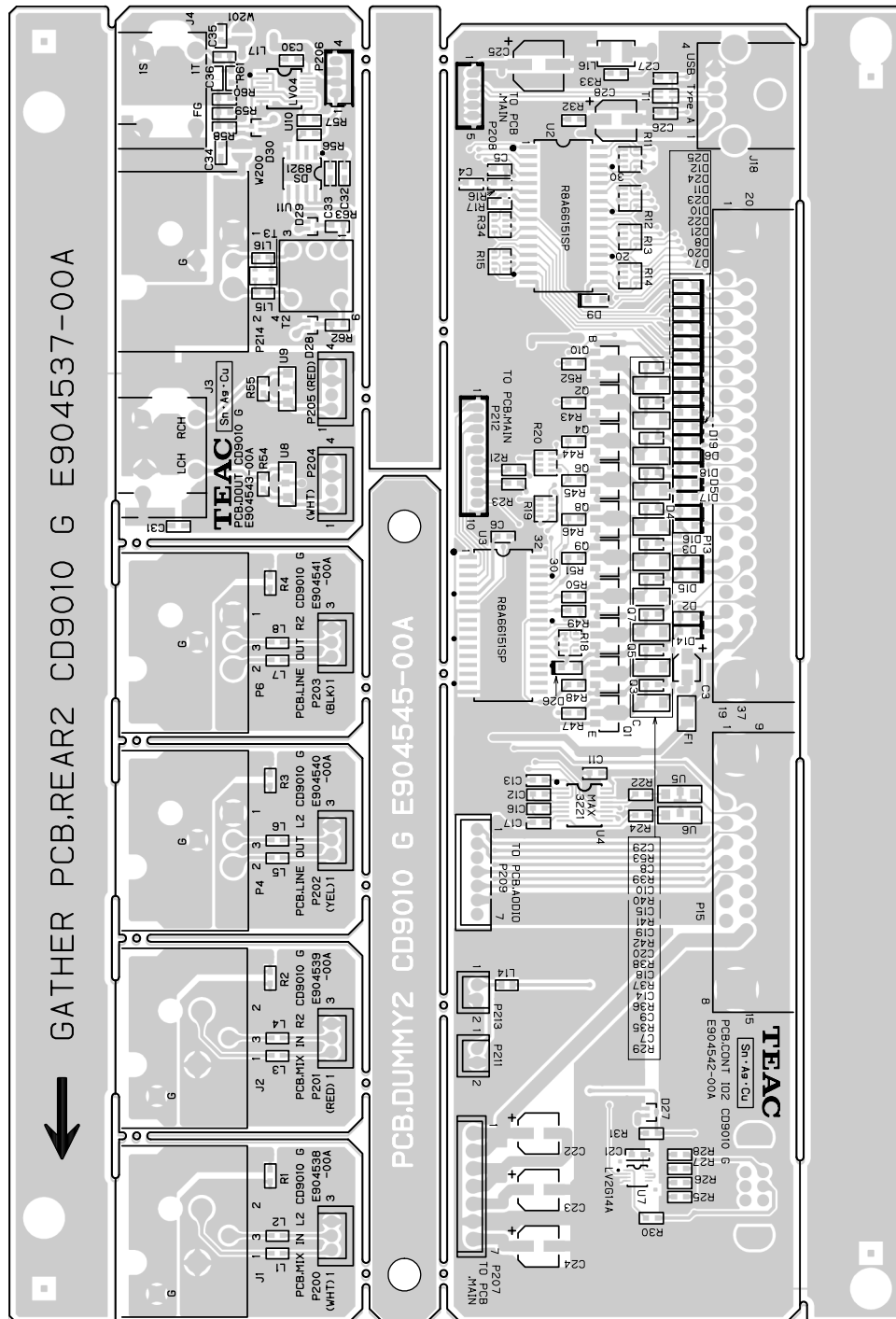
E95442500A GATHER PCBA, REAR CD9010 G (CD-9010CF Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

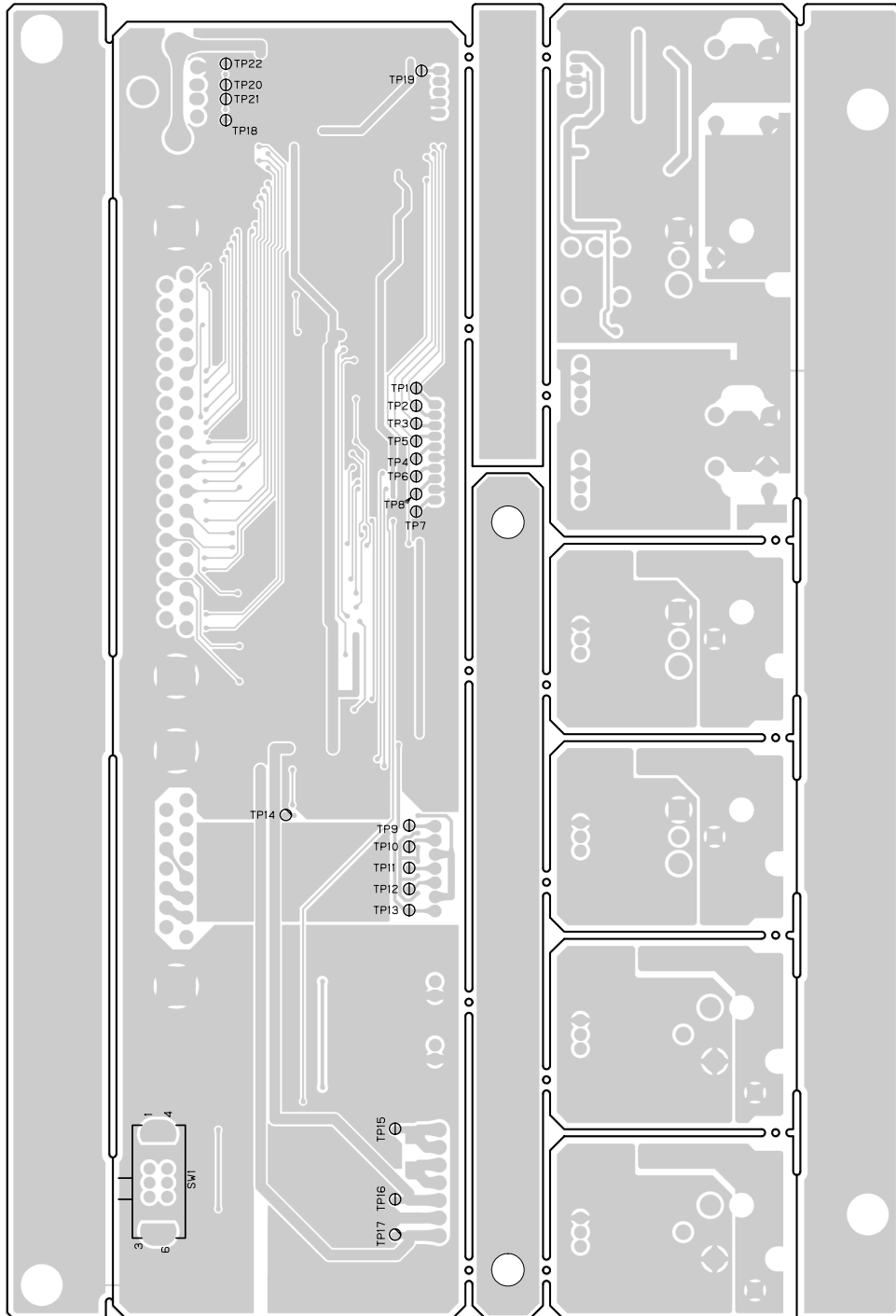
E95453700A GPCBA,REAR2 CD9010 G (CD-9010 Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

E95453700A GPCBA, REAR2 CD9010 G (CD-9010 Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

"()"付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

PCB ASSY,MAIN CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95439900A	PCB ASSY,MAIN CD9010 G
	E90439900B	PCB,MAIN CD9010 G
U1	S0072944	IC,BD45285G-TR G
U2	S0075173	IC,MCF5251VM140 G
U3	S0089153	IC,M12L2561616A-6T-G2K G
U4	S0084573	IC,MX29LV160DBTI-70G G
U5	S0046814	IC,SN74LV245APWR G
U6	S0046814	IC,SN74LV245APWR G
U7	S0046854	IC,SN74LV541APWR G
U8	S0046854	IC,SN74LV541APWR G
U9	S0042784	IC,NJM2870F33 GA0
U10	S0083334	IC,CS8422-CNZ G
U11	S0064734	IC,AK4114VQ G
U12	S0075164	IC,S-35390A-I8T1G G
U13	S0092984	IC,S-24CM01C G
U14	S0060084	IC,NJM78L05UA(TE1) GA0
U15	S0056844	IC,TC74VHCU04FT GSO
U16	S0068071	IC,MC74HC4046ADR2G G
U17	S0080354	IC,SN74LVC2G53DCUR G
U18	S0092994	IC,LCMXO640C-3MN100C G
U19	S0068064	IC,SN74HCT541PW G
U20	S0068071	IC,MC74HC4046ADR2G G
U21	S0042784	IC,NJM2870F33 GA0
U22	S0068071	IC,MC74HC4046ADR2G G
U23	S0056844	IC,TC74VHCU04FT GSO
U24	S0065014	IC,SN74LVC2GU04DCKR G
U25	S0042784	IC,NJM2870F33 GA0
U26	S0046854	IC,SN74LV541APWR G
U27	S0079754	IC,AIC1526-0GSTR G
U28	S0046854	IC,SN74LV541APWR G
U29	S0074554	IC,TPS2041BDBVR G
U31	S0089474	FET,CEM3178 G
U32	S0074604	IC,LM2642MTC G
U33	S0089474	FET,CEM3178 G
U34	S0094884	IC,R3111N271C-TR-FE G
U36	S0090464	IC,HD74LV1G32ACME-E G
D1	S0022094	DIODE,1S5355
D2	S0067314	DIODE,RB751V-40/TE17 G
D3	S0022094	DIODE,1S5355
D4	S0022094	DIODE,1S5355
D5	S0035214	DIODE,HVC376B-TRF-E G
D6	S0022094	DIODE,1S5355
D7	S0047674	DIODE,RB160L-60 G
D8	S0074584	DIODE,BAW56 G
D9	S0047674	DIODE,RB160L-60 G
D10	S0021344	DIODE,RB160L-40
BT1	E0143383	BATTERY,MS614SE FL28E G
L1	E0126164	BEAD COIL,BLM18PG471SN1D G
L2	E0126164	BEAD COIL,BLM18PG471SN1D G
L3	E0126164	BEAD COIL,BLM18PG471SN1D G
L4	E0085594	COIL,LQH32CN4R7M23L GAO
L5	E0126690	COIL,2.7UH K LK2125 G
L6	E0141244	COIL,CEP125NP-8R2MC G
L7	E0069824	COIL,CDRH5D28-100NC G
L8	E0141254	COIL,CEP125NP-6R0MC G
L9	E0126214	COIL,CDRH6D38-100 10UH G
L10	E0147934	COIL,CDR7D43MNNP-330NC G
L11	E0147934	COIL,CDR7D43MNNP-330NC G
L12	E0069824	COIL,CDRH5D28-100NC G
P2	E0143064	CONNECTOR,FH12-50S0.55V G

P5	E0096804	CONNECTER,28FMN-BMTTN-ATF
X1	E0143403	XTAL,LOT55A 24.0MHZ G
X2	E0178394	XTAL,SSP-T7-F 32.768K7PFG
X3	E0161413	XTAL,COC22AXT-D22.5792MG
X4	E0161393	XTAL,COC22AXT-D24.576MG
X5	E0185204	XTAL,NT2520SA-19.2M G
P1	E0123220	CONNECTOR,3675P40VUAG G
P3	E0102210	CONNECTOR,B 4B-ZR(LF)
P4	E0102220	CONNECTOR,B 5B-ZR(LF)
P6	E0119740	CONNECTOR,B 3B-PH-K-S G
P7	E0102270	CONNECTOR,B10B-ZR(LF)
P9	E0119790	CONNECTOR,B 8B-PH-K-S G
P10	E0102240	CONNECTOR,B 7B-ZR(LF)
P11	E0156820	CONNECTOR,B 5B-EHA(LF) G
P13	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P14	E0113030	CONNECTOR,B 4P-VH(LF)(SN)
P15	E0102440	CONNECTOR,B 3B-EH(LF)(SN)

PCB ASSY,PANEL CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95440000A	PCB ASSY,PANEL CD9010 G
	E90440000B	PCB,PANEL CD9010 G
U600	S0092503	IC,R5F56104VNFP G
U601	S0072944	IC,BD45285G-TR G
U602	S0071034	IC,BR24L04FV-WE2 G
U603	S0046854	IC,SN74LV541APWR G
U604	S0081734	IC,BA4580RF-E2 G
U605	S0086563	IC,LCMXO256C-3M100 G
U606	S0037164	IC,TC74VHCT541AFT(EL) G
U608	S0046854	IC,SN74LV541APWR G
U609	S0065394	IC,SN74LV595APWR G
U610	S0065394	IC,SN74LV595APWR G
U613	S0046854	IC,SN74LV541APWR G
U614	S0077194	IC,SN74AHCT1G02DCKR G
Q601	S0094504	TRANSISTOR,2SC2412K TP G
Q602	S0094504	TRANSISTOR,2SC2412K TP G
Q603	S0094504	TRANSISTOR,2SC2412K TP G
D601	S0081414	DIODE,DAN217W G
L600	E0069824	COIL,CDRH5D28-100NC G
L601	E0126164	BEAD COIL,BLM18PG471SN1D G
L602	E0154434	COIL,22UF K LQH43 G
P626	E0102414	CONN,B12B-ZR-SM4(LF)(SN)
P630	E0101954	CONNECTOR,B6B-PH-SM4(LF) G
X600	E0149904	CRYSTAL OSC,SEG55 12MHZ
P601	E0126550	SHORT PLUG,2.54MM6.00PENG
P602	E0119790	CONNECTOR,B 8B-PH-K-S G
P607	E0119800	CONNECTOR,B 9B-PH-K-S G
P608	E0119780	CONNECTOR,B 7B-PH-K-S G
P612	E0102240	CONNECTOR,B 7B-ZR(LF)
P614	E0102230	CONNECTOR,B 6B-ZR(LF) G
P616	E0102270	CONNECTOR,B10B-ZR(LF)
P617	E0102250	CONNECTOR,B 8B-ZR(LF) G
P625	E0102260	CONNECTOR,B 9B-ZR(LF) G
P633	E0126700	CONNECTOR,22115-02T-F1 G
P601	E0126700	CONNECTOR,22115-02T-F1 G
P633	E0126550	SHORT PLUG,2.54MM6.00PENG

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

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GATHER PCB,AUDIO CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95440100A	PCB ASSY,AUDIO CD9010 G
	E90440100B	PCB,AUDIO CD9010 G
U100	S0046854	IC,SN74LV541APWR G
U101	S0067114	IC,SN74LVC1G08DBVR G
U102	S0082474	IC,TPS5430DDAR G
U103	S0092184	IC,TPS73801DCQR G
U104	S0067634	IC,LIN NJM5532M G
U105	S0068654	IC,NJM2114M-TE3 G
U106	S0067634	IC,LIN NJM5532M G
U107	S0080274	IC,NJW1195V G
U108	S0076744	IC,PCM1796DBR G
U109	S0068654	IC,NJM2114M-TE3 G
U111	S0060084	IC,NJM78L05UA(TE1) GAO
U112	S0068654	IC,NJM2114M-TE3 G
U113	S0067634	IC,LIN NJM5532M G
U114	S0076744	IC,PCM1796DBR G
U115	S0080274	IC,NJW1195V G
U116	S0068654	IC,NJM2114M-TE3 G
U117	S0092184	IC,TPS73801DCQR G
U118	S0092194	IC,LM337IMP G
U119	S0067634	IC,LIN NJM5532M G
U120	S0067634	IC,LIN NJM5532M G
U121	S0067634	IC,LIN NJM5532M G
U122	S0067634	IC,LIN NJM5532M G
U123	S0067634	IC,LIN NJM5532M G
U124	S0067634	IC,LIN NJM5532M G
Q106	S0086774	FET,RRH075P03 G
Q107	S0065074	TRANSISTOR,DTC124EUA TP G
Q108	S0065074	TRANSISTOR,DTC124EUA TP G
Q109	S0065074	TRANSISTOR,DTC124EUA TP G
Q110	S0029814	TRANSISTOR,DTC123EUA G
Q111	S0029814	TRANSISTOR,DTC123EUA G
Q112	S0029814	TRANSISTOR,DTC123EUA G
Q113	S0029814	TRANSISTOR,DTC123EUA G
Q114	S0029814	TRANSISTOR,DTC123EUA G
Q115	S0029814	TRANSISTOR,DTC123EUA G
D100	S0022094	DIODE,1SS355
D102	S0021344	DIODE,RB160L-40
D103	S0088214	DIODE,RB060M-30 G
D104	S0022094	DIODE,1SS355
D105	S0022094	DIODE,1SS355
D106	S0022094	DIODE,1SS355
D107	S0023224	DIODE,DAN217 T146 G
D108	S0023224	DIODE,DAN217 T146 G
D109	S0088214	DIODE,RB060M-30 G
D110	S0088214	DIODE,RB060M-30 G
D111	S0022094	DIODE,1SS355
D113	S0023224	DIODE,DAN217 T146 G
D114	S0022094	DIODE,1SS355
D115	S0023224	DIODE,DAN217 T146 G
D116	S0023224	DIODE,DAN217 T146 G
D117	S0022094	DIODE,1SS355
D118	S0023224	DIODE,DAN217 T146 G
D119	S0023224	DIODE,DAN217 T146 G
D120	S0022094	DIODE,1SS355
D121	S0023224	DIODE,DAN217 T146 G
D122	S0023224	DIODE,DAN217 T146 G
D123	S0022094	DIODE,1SS355
D124	S0023224	DIODE,DAN217 T146 G
D125	S0022094	DIODE,1SS355

D126	S0023224	DIODE,DAN217 T146 G
D127	S0023224	DIODE,DAN217 T146 G
D128	S0022094	DIODE,1SS355
D129	S0022094	DIODE,1SS355
D130	S0023224	DIODE,DAN217 T146 G
D131	S0023224	DIODE,DAN217 T146 G
D132	S0023224	DIODE,DAN217 T146 G
D133	S0023224	DIODE,DAN217 T146 G
D134	S0023224	DIODE,DAN217 T146 G
L100	E0101174	COIL,LQH43CN100K03L G
L101	E0172934	COIL,CDRH8D38NP-101NC G
L102	E0172934	COIL,CDRH8D38NP-101NC G
L103	E0101174	COIL,LQH43CN100K03L G
L104	E0101174	COIL,LQH43CN100K03L G
L105	E0125774	COIL,10UHLQH32MN100K23L G
L106	E0125774	COIL,10UHLQH32MN100K23L G
P100	E0096804	CONNECTER,28FMM-BMTTN-ATF
K100	E0173620	RELAY,12V ATXS203 G
K101	E0173620	RELAY,12V ATXS203 G
K102	E0173620	RELAY,12V ATXS203 G
K103	E0173620	RELAY,12V ATXS203 G
K104	E0173620	RELAY,12V ATXS203 G
K105	E0173620	RELAY,12V ATXS203 G
P101	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
P102	E0119630	CONNECTOR,B 7B-PH-K G
P103	E0119770	CONNECTOR,B 6B-PH-K-S G
P104	E0119930	CONNECTOR,B 7B-PH-K-R G
P105	E0119920	CONNECTOR,B 6B-PH-K-R G
P106	E0102250	CONNECTOR,B 8B-ZR(LF) G
P107	E0102440	CONNECTOR,B 3B-EH(LF)(SN)

GATHER PCB,FRONT CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		PCB,FRONT KEY A
	E95440200A	PCB ASSY,F-KEY A CD9010 G
	E90440200B	PCB,FRONT KEY A CD9010 G
Q1	S0029814	TRANSISTOR,DTC123EUA G
Q2	S0022044	TRANSISTOR,DTC114EUA-T106
Q3	S0029814	TRANSISTOR,DTC123EUA G
Q4	S0022044	TRANSISTOR,DTC114EUA-T106
D1	S0084624	LED,SML-D12M8WT86M G
D2	S0084614	LED,SML-D12D8WT86Q G
D3	S0084624	LED,SML-D12M8WT86M G
D4	S0084634	LED,SML-D12V8WT86N G
D12	S0022094	DIODE,1SS355
D13	S0022094	DIODE,1SS355
D51	S0084624	LED,SML-D12M8WT86M G
D52	S0084624	LED,SML-D12M8WT86M G
D53	S0084614	LED,SML-D12D8WT86Q G
D54	S0084614	LED,SML-D12D8WT86Q G
D55	S0084624	LED,SML-D12M8WT86M G
D56	S0084624	LED,SML-D12M8WT86M G
D57	S0084634	LED,SML-D12V8WT86N G
D58	S0084634	LED,SML-D12V8WT86N G
P300	E0102384	CONN,B 9B-ZR-SM4(LF)(SN) G
S1	E0179950	SW,NP01-15AP4NN G
S2	E0179950	SW,NP01-15AP4NN G

CAUTION

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GATHER PCB,FRONT CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,FRONT KEY B</i>
	E95440300A	PCB ASSY,F-KEY B CD9010 G
	E90440300B	PCB,FRONT KEY B CD9010 G
Q5	S0029814	TRANSISTOR,DTC123EUA G
Q6	S0029814	TRANSISTOR,DTC123EUA G
Q7	S0029814	TRANSISTOR,DTC123EUA G
Q8	S0029814	TRANSISTOR,DTC123EUA G
Q9	S0022044	TRANSISTOR,DTC114EUA-T106
D18	S0022094	DIODE,1SS355
D19	S0022094	DIODE,1SS355
D20	S0022094	DIODE,1SS355
D21	S0022094	DIODE,1SS355
D25	S0022094	DIODE,1SS355
D26	S0022094	DIODE,1SS355
D27	S0022094	DIODE,1SS355
D30	S0022094	DIODE,1SS355
D31	S0022094	DIODE,1SS355
D35	S0022094	DIODE,1SS355
D37	S0022094	DIODE,1SS355
D38	S0022094	DIODE,1SS355
D39	S0022094	DIODE,1SS355
D40	S0022094	DIODE,1SS355
D41	S0022094	DIODE,1SS355
P301	E0102394	CONNECTOR,B10B-ZR-SM4(LF)
P302	E0102374	CONNECTOR,B 8B-ZR-SM4(LF)
P303	E0102354	CONN,B 6B-ZR-SM4(LF)(SN)
P304	E0102334	CONN,B 4B-ZR-SM4(LF)(SN) G
D36	S0092330	LED,L-7104ND ORG G
D36	M02855200A	SPACER,LEDS-5.5 G
S3	E0179960	SW,NP01-15AP4LY G
S4	E0179970	SW,NP01-15AP4LM G
S5	E0179960	SW,NP01-15AP4LY G
S6	E0179960	SW,NP01-15AP4LY G
S7	E0125781	SW,TACT SKHHDAA010 G
S8	E0125781	SW,TACT SKHHDAA010 G
S9	E0125781	SW,TACT SKHHDAA010 G
S10	E0125781	SW,TACT SKHHDAA010 G
S11	E0125781	SW,TACT SKHHDAA010 G
S12	E0162590	ENCDR,EC11E18244AX G
S13	E0167090	SW,B3F-4050 G
S14	E0167090	SW,B3F-4050 G
S15	E0167090	SW,B3F-4050 G
S16	E0167090	SW,B3F-4050 G
S17	E0167090	SW,B3F-4050 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,VOL</i>
	E95440500A	PCB ASSY,VOL CD9010 G
	E90440500B	PCB,VOL CD9010 G
R71	R0229440	VAR RES,XVB93GM1 10KA*2 G
P309	E0119770	CONNECTOR,B 6B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,PHONES</i>
	E95440600A	PCB ASSY,PHONES CD9010 G
	E90440600B	PCB,PHONES CD9010 G
U1	S0081734	IC,BA4580RF-E2 G
U2	S0081734	IC,BA4580RF-E2 G
Q11	S0029814	TRANSISTOR,DTC123EUA G
D48	S0081414	DIODE,DAN217W G
D49	S0022094	DIODE,1SS355
D50	S0081414	DIODE,DAN217W G
L2	E0174064	BEAD COIL,MMZ2012Y102BT G
L3	E0174064	BEAD COIL,MMZ2012Y102BT G
J1	E0122600	JACK,065M WITH EARTH G
K1	E0173620	RELAY,12V ATXS203 G
P307	E0102250	CONNECTOR,B 8B-ZR(LF) G
P308	E0119770	CONNECTOR,B 6B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>CD-9010CF_ONLY</i>
	E95440400A	PCB ASSY,SLOT CD9010 G
	E90440400B	PCB,SLOT CD9010 G
Q10	S0022044	TRANSISTOR,DTC114EUA-T106
L1	E0154434	COIL,22UF K LQH43 G
P306	E0143054	CONNECTOR,FH12-50S0.5SH G
P7	E0076123	CONNECTOR,ICMMA2HSS52N11B
D47	S0092330	LED,L-7104ND ORG G
D47	M02447400A	LED SPACER,LEKH-4.5 G
P7	E0096300	CONNECTOR,ICM-MAE-R32
P305	E0113690	CONNECTOR,S 3B-PH-K-S G

CAUTION

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GATHER PCB,POWER CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,POWER</i>
	E95440700A	PCB ASSY,POWER CD9010 G
	E90440700B	PCB,POWER CD9010 G
D10	S0083901	ZENER DIO,MT6J5.6B T-77G
R4	R0171331	RN,METAL1/8W620 OHMFTP G
R5	R0171221	RN,METAL 1/8W 220 OHMFTP G
R6	R0154521	RD,1/8W 4.7 OHMJ26MM G
R7	R0155091	RD,1/8W 1.5K OHM J 26MMG
R8	R0171601	RN,METAL1/8W8.2KOHMFTP G
R9	R0155291	RD,1/8W 10K OHMJ26MMG
R11	R0171461	RN,METAL 1/8W 2.2K OHMFTP G
R13	R0155641	RD,1/8W 330K OHMJ26MMG
R24	R0155641	RD,1/8W 330K OHMJ26MMG
U3	S0073400	IC,TL431CLPR G
C1	C0061832	CQ,100V0.10UFJMYLARTPG
C14	C0061672	CQ,100V0.022UFJMYLARTPG
C15	C0061592	CQ,100V0.010UFJMYLARTPG
U1	S0084420	IC,STR-W6252D G
U1	M03072200A	HEAT SINK,16.5*15.5*25 G
U1	B00174008A	SCREW,BPA 3*8 FZC G
U2	S0067070	PHOTO COUPLER,PC123X2YFXG
D1	R0208310	VARISTOR,ERZV14D471 ERZ G
D2	S0073370	DIODE,EM01A G
D3	S0073370	DIODE,EM01A G
D4	S0073370	DIODE,EM01A G
D5	S0073370	DIODE,EM01A G
D6	S0069140	DIODE,FR 0.7A1000V RG-1CG
D7	S0092200	DIODE,RFN10T2D G
D7	3M0084020B	HEAT SINK 45MM G
D7	B00199408A	SCREW,BPB 3*8 FZC G
D9	S0073460	DIODE,UFAST 200V AL01Z G
R2	R0176820	POWER THERMISTOR,16D-13 G
R3	R0185651	RN,METEL1W330K OHM F TP G
R10	R0205091	RN,METEL1/2W0.5 OHM JTP G
R12	R0172431	RN,METALOXIDE2W100 OHMJG
R21	R0231020	RD,1W 1M OHM J G
C2	C0042162	CQ,630V 0.01UF K
C3	C0032860	CC, 250V 2200PF M
C4	C0032860	CC, 250V 2200PF M
C5	C0085160	CE,25V 3300UF M FK G
C7	C0085150	CE,25V 2200UF M FK G
C9	C0059860	CQ,0.22UFAC 250VG
C10	C0076090	CQ,0.1UFAC 275V-G
C11	C0076090	CQ,0.1UFAC 275V-G
C12	C0032860	CC, 250V 2200PF M
C16	C0085350	CE,63V47UF M RJ3 G
C17	C0040510	CC,E 250V 2200PF M KX G
C17	M0338710	COVER,C HU-14 G
C18	C0085370	CC,2KV 47PF J DEA G
C22	C0095590	CE,400V 220UF M G (LGU2G)
F1	E0184820	FUSE,250V 1.6A 21501.6P G
F1	E0126350	HOLDER,FUSE HOLDER 5.0 G
FG1	E0123470	TERMINAL,GND-8 G
FG2	E0123470	TERMINAL,GND-8 G
L1	E0130740	COIL,10UH 3.6A DR2W8*7 G
L3	E0127050	COIL,2.2MH 1.3A LF2020G
P001	E0112450	CONNECTOR,B2P3VH(LF)(SN) G
P002	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
P003	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
T3	E01678700A	TRANS,SW AS-2822 HS8 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,PSW</i>
	E95440800A	PCB ASSY,PSW CD9010 G
	E90440800A	PCB,PSW CD9010 G
C23	E0122630	SPK KILLER,CS12-F2GA472MYAS G
C23	M0338700	COVER,C HU-10 CAP G
P004	E0111890	CONN,B2P3S-VH(LF)(SN)
S1	E0176680	SW,SY162-52-2/T G

**GATHER PCB,REAR CD9010 G
(CD-9010CF_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>CPCB,MIX IN L</i>
	E95448800A	PCB ASSY,MIX IN L CD9010G
	E90448800A	PCB,MIX IN L CD9010 G
J1	E0185180	JACK,NC3FBH2 NEW G
P200	E0119740	CONNECTOR,B 3B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MIX IN R</i>
	E95448900A	PCB ASSY,MIX IN R CD9010G
	E90448900A	PCB,MIX IN R CD9010 G
J2	E0185180	JACK,NC3FBH2 NEW G
P201	E0119890	CONNECTOR,B 3B-PH-K-R G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,LINE OUT L</i>
	E95449000A	PCBA,LINE OUT L CD9010G
	E90449000A	PCB,LINE OUT L CD9010 G
P202	E0120040	CONNECTOR,B 3B-PH-K-Y G
P4	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,LINE OUT R</i>
	E95449100A	PCBA,LINE OUT R CD9010G
	E90449100A	PCB,LINE OUT R CD9010 G
P203	E0120190	CONNECTOR,B 3B-PH-K-K G
P6	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MONITOR L</i>
	E95449200A	PCBA,MONITOR L CD9010G
	E90449200A	PCB,MONITOR L CD9010G
P204	E0119750	CONNECTOR,B 4B-PH-K-S G
P9	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MONITOR R</i>
	E95449300A	PCBA,MONITOR R CD9010G
	E90449300B	PCB,MONITOR R CD9010 G
U1	S0037894	IC,SN74LV04APWR G
D1	S0081414	DIODE,DAN217W G
L9	E0127034	BEAD COIL,BK1608 HM121 G
L12	R0157394	RD,1/10W 0 OHM J0603G
L13	R0157394	RD,1/10W 0 OHM J0603G
P11	E0185190	PLUG,NC3MBH NEW G
P205	E0119900	CONNECTOR,B 4B-PH-K-R G
P206	E0102210	CONNECTOR,B 4B-ZR(LF)
P210	E0119730	CONNECTOR,B 2B-PH-K-S G

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**GATHER PCB,REAR CD9010 G
(CD-9010CF_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,CONT IO</i>
	E95441000A	PCB ASSY,CONT IO CD9010 G
	E90441000B	PCB,CONT IO CD9010 G
U2	S0075114	IC,R8A66151SP G
U3	S0075114	IC,R8A66151SP G
U4	S0063924	IC,MAX3221CPWR G
U5	E0130200	FILTER,EXCCET470U G
U6	E0130200	FILTER,EXCCET470U G
U7	S0087994	IC,HD74LV2G14AUSE
Q1	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q2	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q3	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q4	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q5	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q6	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q7	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q8	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q9	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q10	S0094684	TR,2SC2873-Y(TE12L,ZC) G
D2	S0022094	DIODE,1S5355
D3	S0022094	DIODE,1S5355
D4	S0022094	DIODE,1S5355
D5	S0022094	DIODE,1S5355
D6	S0022094	DIODE,1S5355
D7	S0022094	DIODE,1S5355
D8	S0022094	DIODE,1S5355
D9	S0022094	DIODE,1S5355
D10	S0022094	DIODE,1S5355
D11	S0022094	DIODE,1S5355
D12	S0022094	DIODE,1S5355
D14	S0022094	DIODE,1S5355
D15	S0022094	DIODE,1S5355
D16	S0022094	DIODE,1S5355
D17	S0022094	DIODE,1S5355
D18	S0022094	DIODE,1S5355
D19	S0022094	DIODE,1S5355
D20	S0022094	DIODE,1S5355
D21	S0022094	DIODE,1S5355
D22	S0022094	DIODE,1S5355
D23	S0022094	DIODE,1S5355
D24	S0022094	DIODE,1S5355
D25	S0022094	DIODE,1S5355
D26	S0022094	DIODE,1S5355
D27	S0081414	DIODE,DAN217W G
F1	E0153504	FUSE,NANOSMDC035F G
L14	E0126164	BEAD COIL,BLM18PG471SN1D G
T1	E0166304	FILTER,NT2012 985BH1007 G
J18	E0141212	CONNECTOR,UBA-4R-D14T-4D G
P212	E0102270	CONNECTOR,B10B-ZR(LF)
P13	E0179980	CONN,5504F1-375-02-03 G
P209	E0119780	CONNECTOR,B 7B-PH-K-S G
P15	E0172900	D-SUB,5504F1-15S-02-03
P207	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P208	E0102220	CONNECTOR,B 5B-ZR(LF)
P211	E0119730	CONNECTOR,B 2B-PH-K-S G
P213	E0119730	CONNECTOR,B 2B-PH-K-S G
SW1	E0134750	SW,SLIDE SSSF121900 G

**GATHER PCB,REAR2 CD9010 G
(CD-9010_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MIX IN L2</i>
	E95453800A	PCBA,MIX IN L2 CD9010G
	E90453800A	PCB,MIX IN L2 CD9010G
J1	E0185180	JACK,NC3FBH2 NEW G
P200	E0119740	CONNECTOR,B 3B-PH-K-S G
		<i>PCB,MIX IN R2</i>
	E95453900A	PCBA,MIX IN R2 CD9010G
	E90453900A	PCB,MIX IN R2 CD9010G
J2	E0185180	JACK,NC3FBH2 NEW G
P201	E0119890	CONNECTOR,B 3B-PH-K-R G
		<i>PCB,LINE OUT L2</i>
	E95454000A	PCBA,LINE OUT L2 CD9010G
	E90454000A	PCB,LINE OUT L2 CD9010G
P202	E0120040	CONNECTOR,B 3B-PH-K-Y G
P4	E0185190	PLUG,NC3MBH NEW G
		<i>PCB,LINE OUT R2</i>
	E95454100A	PCBA,LINE OUT R2 CD9010G
	E90454100A	PCB,LINE OUT R2 CD9010G
P203	E0120190	CONNECTOR,B 3B-PH-K-K G
P6	E0185190	PLUG,NC3MBH NEW G
		<i>PCB,DOUT</i>
	E95454300A	PCB ASSY,DOUT CD9010 G
	E90454300A	PCB,DOUT CD9010 G
U10	S0037894	IC,SN74LV04APWR G
U11	S0086764	IC,DS8921M/NOPB G
D28	S0081414	DIODE,DAN217W G
D29	S0081414	DIODE,DAN217W G
D30	S0081414	DIODE,DAN217W G
L17	E0127034	BEAD COIL,BK1608 HM121 G
T3	E0168384	FLTR,ACM2520-102-2P-T G
T2	E01651100A	TRANS,PULSE 400UH G
J3	E0183250	JACK,LPR6520-E510F G
J4	E0156810	JACK,YKC 21-3486N G
P214	E0185190	PLUG,NC3MBH NEW G
P204	E0119750	CONNECTOR,B 4B-PH-K-S G
P205	E0119900	CONNECTOR,B 4B-PH-K-R G
P206	E0102210	CONNECTOR,B 4B-ZR(LF)

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GATHER PCB,REAR2 CD9010 G
(CD-9010_ONLY)

REF.NO.	PARTS NO.	DESCRIPTION .
		PCB,CONT IO
	E95454200A	PCBA,CONT IO2 CD9010 G
	E90454200A	PCB,CONT IO2 CD9010 G
U2	S0075114	IC,R8A66151SP G
U3	S0075114	IC,R8A66151SP G
U4	S0063924	IC,MAX3221CPWR G
U5	E0130200	FILTER,EXCCET470U G
U6	E0130200	FILTER,EXCCET470U G
U7	S0087994	IC,HD74LV2G14AUSE
Q1	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q2	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q3	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q4	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q5	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q6	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q7	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q8	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q9	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q10	S0094684	TR,2SC2873-Y(TE12L,ZC) G
D2	S0022094	DIODE,1SS355
D3	S0022094	DIODE,1SS355
D4	S0022094	DIODE,1SS355
D5	S0022094	DIODE,1SS355
D6	S0022094	DIODE,1SS355
D7	S0022094	DIODE,1SS355
D8	S0022094	DIODE,1SS355
D9	S0022094	DIODE,1SS355
D10	S0022094	DIODE,1SS355
D11	S0022094	DIODE,1SS355
D12	S0022094	DIODE,1SS355
D14	S0022094	DIODE,1SS355
D15	S0022094	DIODE,1SS355
D16	S0022094	DIODE,1SS355
D17	S0022094	DIODE,1SS355
D18	S0022094	DIODE,1SS355
D19	S0022094	DIODE,1SS355
D20	S0022094	DIODE,1SS355
D21	S0022094	DIODE,1SS355
D22	S0022094	DIODE,1SS355
D23	S0022094	DIODE,1SS355
D24	S0022094	DIODE,1SS355
D25	S0022094	DIODE,1SS355
D26	S0022094	DIODE,1SS355
D27	S0081414	DIODE,DAN217W G
F1	E0153504	FUSE,NANOSMDC035F G
L14	E0126164	BEAD COIL,BLM18PG471SN1D G
P212	E0102270	CONNECTOR,B10B-ZR(LF)
P13	E0179980	CONN,5504F1-37S-02-03 G
P209	E0119780	CONNECTOR,B 7B-PH-K-S G
P15	E0172900	D-SUB,5504F1-15S-02-03
P207	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P211	E0119730	CONNECTOR,B 2B-PH-K-S G
P213	E0119730	CONNECTOR,B 2B-PH-K-S G
SW1	E0134750	SW,SLIDE SSSF121900 G

Included Accessories

付属品

Included Accessories

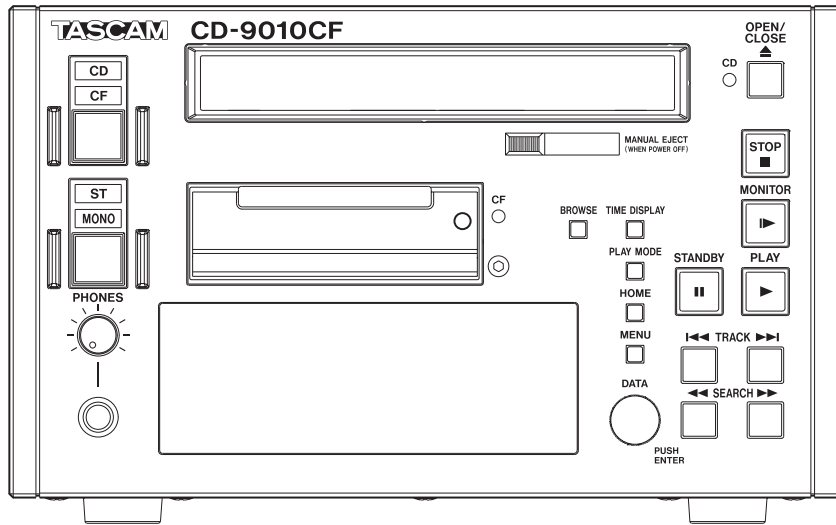
REF.NO.	PARTS NO.	DESCRIPTION .		REMARKS
	3E014160	POWER CORD,EUR-GP	[E]	⚠
	E0178290	POWER CORD,KOR C13 1.8M G	[K]	⚠
	3E014150	POWER CORD,UL-G	[E]	⚠
	3E014180	POWER CORD,AUS	[A]	⚠
	3E039940	POWER CORD,TM G	[T]	⚠
	3E014170	POWER CORD,UK	[UK]	⚠
	E0168660	AC PLUG,WS-037-A PSE G		
	D01131400B	WARR CARD,TASCAM ALL G		
	D00729600E	WARRANTY CARD(JPN)		
	3M0013300A	ENVELOPE,(WARR CARD) G		
	D01164301C	OWNERS MNL,J CD9010CF G		
	D01164320A	OWNERS MNL,E CD9010CF G		
	D01164381A	OWNERS MNL,F CD9010CF G		
	D01164382A	OWNERS MNL,I CD9010CF G		
	D01164383A	OWNERS MNL,S CD9010CF G		
	M03420600A	DOOR SCREW ASSY,CD91C G		CD-9010CF Only

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
 [J] : JAPAN [US/C] : U.S.A./CANADA [K] : KOREA
 [E] : EUROPE [UK] : U.K. [JEX] : JAPAN & ASIA
 [A] : AUSTRALIA [T] : TAIWAN
 [CH] : CHINA [ETC] : U.S.A./CANADA/South America

注意

- プリント基板図は部品面を示しています。
- *印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠ 印は安全重要部品です。交換する時は必ず指定の部品を使用してください。
- 仕向先
 [J] : JAPAN [US/C] : U.S.A./CANADA [K] : KOREA
 [E] : EUROPE [UK] : U.K. [JEX] : JAPAN & ASIA
 [A] : AUSTRALIA [T] : TAIWAN
 [CH] : CHINA [ETC] : U.S.A./CANADA/South America



CD / Solid State Player

CD-9010CF / CD-9010

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INSTRUCTIONS FOR SERVICE PERSONNEL

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

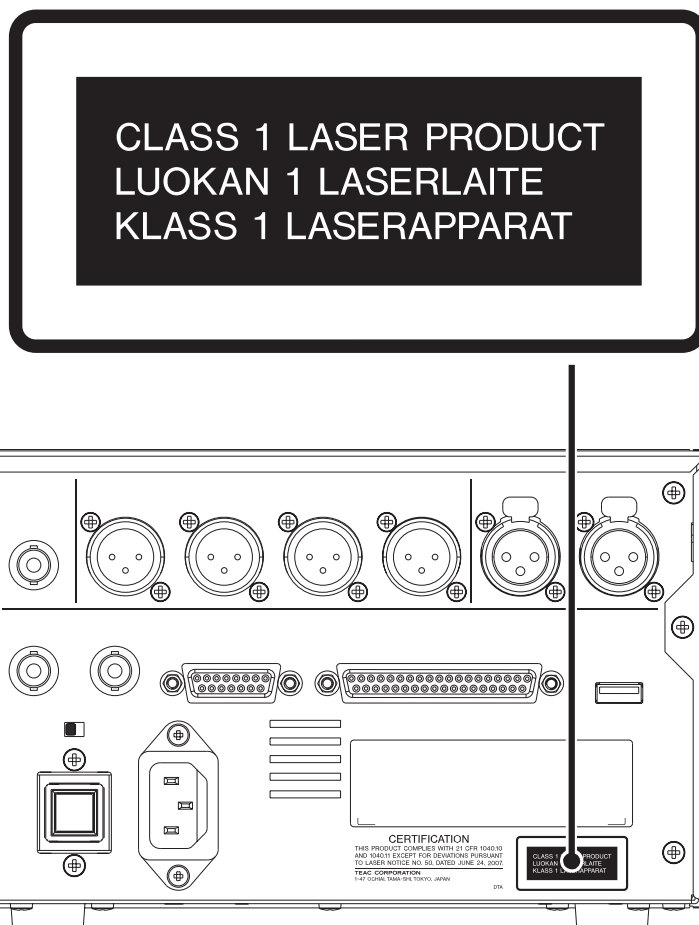
SAFETY INFORMATION

安全規格

● CAUTIONS ABOUT LASER RADIATION

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968," and is classified as a class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown at ①.



● Cautions

- DO NOT REMOVE THE PROTECTIVE HOUSING USING A SCREWDRIVER.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- IF THIS PRODUCT DEVELOPS TROUBLE, CONTACT YOUR NEAREST QUALIFIED SERVICE PERSONNEL, AND DO NOT USE THE PRODUCT IN ITS DAMAGED STATE.

Optical pickup

Type: HOF-1501XB
 Manufacturer: Hitachi Media Electronics
 Laser output: Less than 0.5 mW on the objective lens
 Wavelength: 785 nm \pm 22 nm
 Standard: IEC60825-1 : 2007

● CAUTION for products that use replaceable lithium batteries:

There is danger of explosion if a battery is replaced with an incorrect type of battery.
 Replace only with the same or equivalent type

Specifications (CD-9010CF)

仕様 (CD-9010CF)

定格

対応メディア

- CFカード (512MB~32GB、Type I のみ)
 CD、CD-R (CD-DA オーディオディスク、ISO9660 Level1 /
 Joliet / Romeo データディスク)

再生ファイル形式

- WAV : 44.1k/48kHz、16/24ビット
 CD-DA : 44.1kHz、16ビット

チャンネル数

- 2チャンネル(ステレオ)
 1チャンネル(モノラル)

入出力定格

アナログオーディオ入出力定格

MIX INPUTS (BALANCED) 端子

- コネクタ : XLR-3-31
 (1 : GND、2 : HOT、3 : COLD)
 入力インピーダンス : 10k Ω
 規定入力レベル : +4dBu (1.23Vrms)
 最大入力レベル : +24dBu (12.28Vrms)

LINE OUTPUTS(BALANCED) 端子

- コネクタ : XLR-3-32
 (1 : GND、2 : HOT、3 : COLD)
 出力インピーダンス : 200 Ω
 規定出力レベル : +4dBu (1.23Vrms)
 最大出力レベル : +24dBu (12.28Vrms)

MONITOR OUTPUTS(BALANCED) 端子

- コネクタ : XLR-3-32
 (1 : GND、2 : HOT、3 : COLD)
 出力インピーダンス : 200 Ω
 規定出力レベル : +4dBu (1.23Vrms)
 最大出力レベル : +24dBu (12.28Vrms)

PHONES 端子

- コネクタ : 6.3mm(1/4)ステレオ標準ジャック
 最大出力レベル : 45mW+45mW 以上
 (THD+N 0.1%以下、32 Ω 負荷)

デジタルオーディオ出力定格

DIGITAL OUT 端子

- コネクタ : BNC コネクタ
 フォーマット : AES3-2003 / AES-3id-2001 / IEC60958-4
 (AES/EBU)
 出力インピーダンス : 75 Ω

コントロール入出力定格

WORD IN 端子

- コネクタ : BNC コネクタ
 入力電圧 : 5V TTL相当
 入力インピーダンス : 75 Ω
 外部同期時の許容周波数偏差 : \pm 100ppm
 終端有り/無し切り換えスイッチ付き

WORD THRU 端子

- コネクタ : BNC コネクタ
 出力電圧 : 5V TTL相当
 出力インピーダンス : 75 Ω

REMOTE IN(SERIAL) 端子

- コネクタ : D-sub 15ピン

REMOTE IN(PARALLEL) 端子

- コネクタ : D-sub 37ピン
 最大入力電圧 : +5.5V
 ハイレベル最小入力電圧 : +3.75V
 ローレベル最大入力電圧 : +1.25V
 出力形式 : オープンドレイン(耐圧50V、最大100mA)
 ローレベル最大出力電圧 : 0.5V
 +5V電源 最大供給電流 : 100mA

KEYBOARD 端子

- コネクタ : USB A タイプ 4ピン
 プロトコル : USB1.1 LOW SPEED(1.5Mbps)
 +5V電源 最大供給電流 : 500mA

オーディオ性能

周波数特性

- 20Hz-20kHz : \pm 0.5dB(再生時、JEITA)

歪率

- 0.005%以下(再生時、JEITA)

S/N比

- 100dB以上(再生時、JEITA)

ダイナミックレンジ

- 95dB(再生時、JEITA)

チャンネル間クロストーク

- 95dB(再生時、JEITA)

注) JEITA : JEITA CP-2150基準

バックアップメモリー

本機は、電源をオフにしても、以下の設定をバックアップします。

- 再生モードの設定
- プログラム再生の設定
- キュー再生の設定(CD : 500枚分)
- 各メニュー項目の設定

(オートキュー機能の設定、オートレディ機能の設定、インクリメンタルプレー機能の設定、ONLINE BACK CUE機能、PLAY KEY FUNCTION機能、MONITOR PLAY STBY機能、ONLINE PLAY STBY機能、リピート再生機能の設定、EOM機能の設定、エンドチェックの設定、ピッチコントロール値の設定、外部リモコン機能の設定、ジョグ再生の設定、RS-232Cの設定、デジタル出力の設定、アナログ出力の設定、オンライン機能の設定、マスタークロックの設定、モノラルミックス再生の設定、レベルメーター表示の設定、フェールセーフ機能の設定、モニタリングポイントの設定、モニターミュートバイオンラインの設定、ディスプレイとインジケータの輝度設定、ディスプレイのコントラスト設定、キーボードタイプの設定)

一般

電源

AC100-240V、50-60Hz

消費電力

18W

外形寸法

220 x 136.8 x 385.2mm(幅 x 高さ x 奥行き)

質量

6kg

動作温度

5~35℃

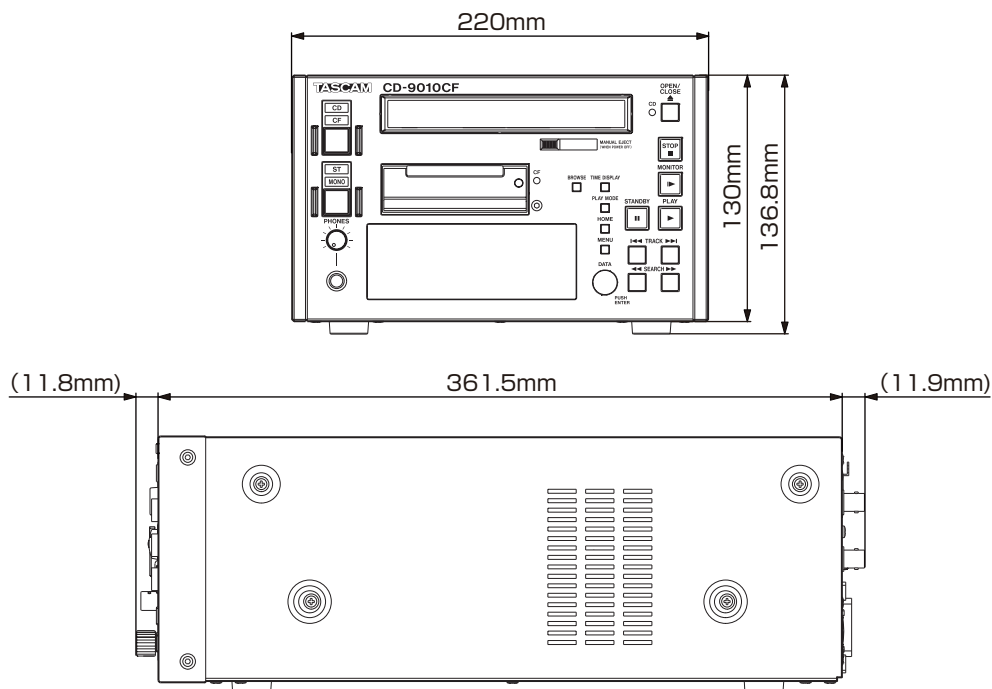
設置時傾斜

5度以内

Dimensional drawings (CD-9010CF)

寸法図 (CD-9010CF)

寸法図



- * 取扱説明書のイラストが一部製品と異なる場合があります。
- * 製品の改善により、仕様および外観が予告なく変更することがあります。

Specifications (CD-9010)

仕様 (CD-9010)

定格

対応メディア

CD、CD-R (CD-DA オーディオディスク、ISO9660 Level1 / Joliet / Romeo データディスク)

再生ファイル形式

WAV : 44.1k/48kHz、16/24ビット
CD-DA : 44.1kHz、16ビット

チャンネル数

2チャンネル(ステレオ)
1チャンネル(モノラル)

入出力定格

アナログオーディオ入出力定格

MIX INPUTS (BALANCED) 端子

コネクター : XLR-3-31
(1 : GND、2 : HOT、3 : COLD)
コネクター : XLR-3-31
(1 : GND、2 : HOT、3 : COLD)
入力インピーダンス : 10k Ω
規定入力レベル : +4dBu(1.23Vrms)
最大入力レベル : +24dBu(12.28Vrms)

LINE OUTPUTS (BALANCED) 端子

コネクター : XLR-3-32
(1 : GND、2 : HOT、3 : COLD)
出力インピーダンス : 200 Ω
規定出力レベル : +4dBu(1.23Vrms)
最大出力レベル : +24dBu(12.28Vrms)

MONITOR OUTPUTS (UNBALANCED) 端子

コネクター : RCA ピンジャック
出力インピーダンス : 100 Ω
規定出力レベル : -10dBv(0.32Vrms)
最大出力レベル : +6dBv(2Vrms)

PHONES 端子

コネクター : 6.3mm(1/4")ステレオ標準ジャック
最大出力レベル : 45mW+45mW以上
(THD+N 0.1%以下、32 Ω 負荷)

デジタルオーディオ出力定格

DIGITAL OUT (COAXIAL) 端子

コネクター : RCA ピンジャック
フォーマット : IEC60958-3
(民生用規格準拠 S/PDIF)*
出力インピーダンス : 75 Ω

*: "SYSTEM" メニュー画面の "DIGITAL OUT TYPE" 項目で "CONSUMER" を選択時

DIGITAL OUT (XLR) 端子

コネクター : XLR-3-31
フォーマット : AES3-2003 / IEC60958-4(AES/EBU)**
出力インピーダンス : 110 Ω
** "SYSTEM" メニュー画面の "DIGITAL OUT TYPE" 項目で "PRO" を選択時

コントロール入出力定格

WORD IN 端子

コネクター : BNC コネクター
入力電圧 : 5V TTL 相当
入力インピーダンス : 75 Ω
外部同期時の許容周波数偏差 : \pm 100ppm
終端有り/無し切り換えスイッチ付き

WORD THRU 端子

コネクター : BNC コネクター
出力電圧 : 5V TTL 相当
出力インピーダンス : 75 Ω

REMOTE IN (SERIAL) 端子

コネクター : D-sub 15ピン

REMOTE IN (PARALLEL) 端子

コネクター : D-sub 37ピン
最大入力電圧 : +5.5V
ハイレベル最小入力電圧 : +3.75V
ローレベル最大入力電圧 : +1.25V
出力形式 : オープンドレイン (耐圧50V、最大100mA)
ローレベル最大出力電圧 : 0.5V
+5V 電源 最大供給電流 : 100mA

オーディオ性能

周波数特性

20Hz-20kHz : \pm 0.5dB (再生時、JEITA)

歪率

0.005% 以下 (再生時、JEITA)

S/N 比

100dB 以上 (再生時、JEITA)

ダイナミックレンジ

95dB (再生時、JEITA)

チャンネル間クロストーク

95dB (再生時、JEITA)

注) JEITA : JEITA CP-2150 基準

バックアップメモリー

本機は、電源をオフにしても、以下の設定をバックアップします。

- 再生モードの設定
- プログラム再生の設定
- キュー再生の設定(CD：500枚分)
- 各メニュー項目の設定

(オートキュー機能の設定、オートレディ機能の設定、インクリメンタルプレー機能の設定、ONLINE BACK CUE機能、PLAY KEY FUNCTION機能、MONITOR PLAY STBY機能、ONLINE PLAY STBY機能、リピート再生機能の設定、EOM機能の設定、エンドチェックの設定、ピッチコントロール値の設定、外部リモコン機能の設定、ジョグ再生の設定、RS-232Cの設定、デジタル出力の設定、アナログ出力の設定、オンライン機能の設定、マスタークロックの設定、モノラルミックス再生の設定、レベルメーター表示の設定、フェールセーフ機能の設定、モニタリングポイントの設定、モニターミュートバイオンラインの設定、ディスプレイとインジケータの輝度設定、ディスプレイのコントラスト設定、キーボードタイプの設定)

一般

電源

AC100-240V、50-60Hz

消費電力

14W

外形寸法

220 x 136.8 x 385.2mm(幅 x 高さ x 奥行き)

質量

6kg

動作温度

5~35℃

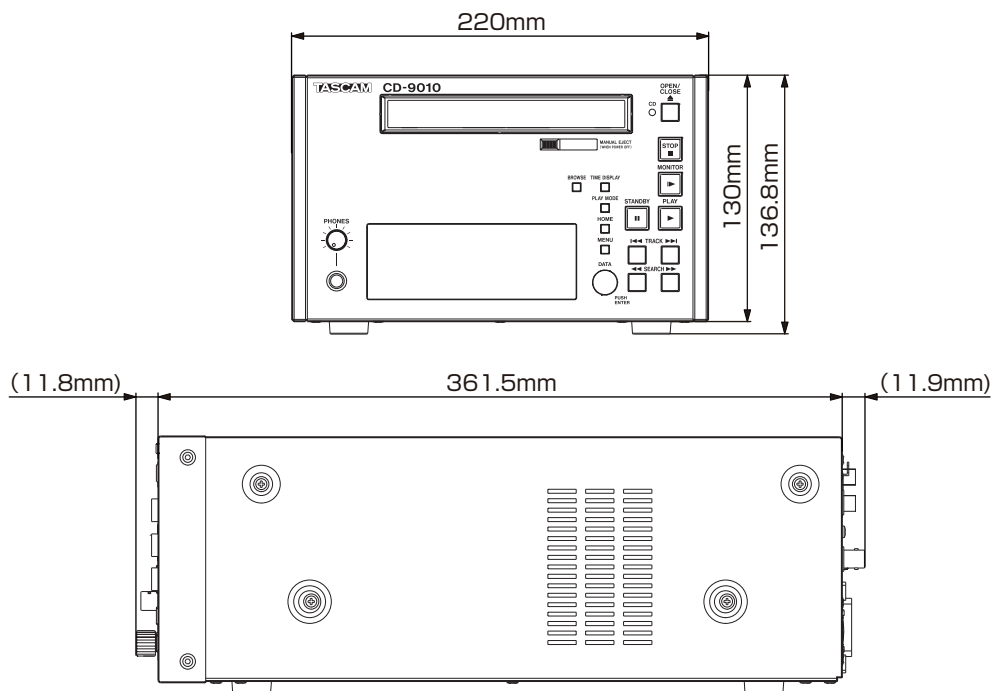
設置時傾斜

5度以内

Dimensional drawings (CD-9010)

寸法図 (CD-9010)

寸法図



- * 取扱説明書のイラストが一部製品と異なる場合があります。
- * 製品の改善により、仕様および外観が予告なく変更することがあります。

Test Mode and Special Operations

テストモードと特殊操作

1. テストモードの起動/操作方法

テストモードでは以下の操作および確認をすることができます。

- ① LCD および LED の表示確認
- ② 各種入力デバイスの動作確認 (USB キーボードは除く)
- ③ パラレルリモート端子の動作確認
- ④ シリアルリモート端子の動作確認
- ⑤ EEPROM の初期化設定
- ⑥ 各種ファームウェアバージョンおよび稼働時間の表示

1) テストモードへの入り方

"TIME DISPLAY" と "HOME" と "BROWSE" キーを押したまま電源を入れます。

オープニング画面が出るまで押し続けます。

テストモードは電源 OFF で終了します。

2) テストモードメニュー

DATA ダイアルにてテスト項目を選択し、DATA ダイアルを押して決定します。

```

DISPLAY CHECK
KEY/ENCODER/SW CHECK
PARALLEL REMOTE CHECK
SERIAL REMOTE CHECK
EEP CHECK
INFORMATION
  
```

- ① DISPLAY CHECK
- ② KEY/ENCODER/SW CHECK
- ③ PARALLEL REMOTE CHECK
- ④ SERIAL REMOTE CHECK
- ⑤ EPP CHECK
- ⑥ INFORMATION

3) 各テストモードの説明

① DISPLAY CHECK

"DISPLAY CHECK" を選択し、DATA ダイアルを押します。
TIME DISPLAY キーを押す毎に LCD、LED の表示を行います。

STEP 1: LCD に "TEST LCD → PRESS DISPLAY" を表示します。

```

TEST LCD -> PRESS TIME DISPLAY
  
```

STEP 2: LCD/LED 全消灯

STEP 3: LCD 全点灯/LED 全消灯

STEP 4: LCD 全点灯

LED 点灯: [CD (CD-9010CF のみ)、CD ACCESS、
PLAY、LAST CUE (STOP)、ST (CD-9010CF
のみ)]

LED 消灯: [CF (CD-9010CF のみ)、CF ACCESS
(CD-9010CF のみ)、MONITOR PLAY、
STANDBY、MONO (CD-9010CF のみ)]

STEP 5: LCD 全点灯

LED 消灯: [CD (CD-9010CF のみ)、CD ACCESS、
PLAY、LAST CUE (STOP)、ST (CD-9010CF
のみ)]

LED 点灯: [CF (CD-9010CF のみ)、CF ACCESS
(CD-9010CF のみ)、MONITOR PLAY、
STANDBY、MONO (CD-9010CF のみ)]

STEP 6: LCD/LED 全点灯

再度、"TIME DISPLA" キーを押すと、テストモードメニューに戻ります。

② KEY/ENCODER/SW CHECK

"KEY / ENCODER / SW CHECK" を選択し、DATA ダイアルを押します。

```

Push any key

MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

以下の入力デバイスの動作確認を行います

Machine: 本体キー [CD/CF (CD-9010CF のみ)、ST/MONO
(CD-9010CF のみ)、BROWSE、TIME DISPLAY、
PLAY MODE、HOME、MENU、OPEN/CLOSE、
PLAY、LAST CUE (STOP)、STANDBY、MONITOR
PLAY、◀◀TRACK、TRACK▶▶、◀◀SERACH、
SEARCH▶▶、DATA ダイアル (ENTER)]

Encoder: DATA ダイアル

```

Machine
****
MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

1 行目: デバイス種類 (Machine、Encoder)

2 行目: デバイス名称

全ての本体キーを操作すると、"Machine Key Check OK!!" が表示されます (入力順序は問いません)。テスト中に MENU キーを長押しすると、テストを中断しテストモードメニューに戻ります。

```

Machine
****
Machine Key Check OK!!
MENU KEY to return
(Continues pushing in the KEY CHECK)
  
```

③ PARALLEL REMOTE CHECK

"PARALLEL REMOTE CHECK" を選択し、DATA ダイアルを押します。

"Key Waiting" 表示中に任意のキーを押すと、LCD に押されたキーを表示し、タリールを出力します。

```

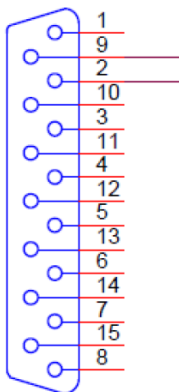
Key waiting
  
```

テスト中に MENU キーを押すと、テストを中断しテストモードメニューに戻ります。

入力キー	出力タリー		
ON LINE PLAY :	ON LINE PLAY TALLY		
MONITOR PLAY :	MONITOR PLAY TALLY		
PAUSE (JOG ON) :	PAUSE(JOG ON) TALLY		
STANDBY :	STANDBY TALLY		
STOP :	STOP TALLY		
TRACK SEARCH REV [<<] :	ON LINE PLAY TALLY	+	EOM OUT
TRACK SEARCH FWD [>>] :	MONITOR PLAY TALLY	+	EOM OUT
SERACH REV [<<] :	PAUSE(JOG ON) TALLY	+	EOM OUT
SEARCH FWD [>>] :	STANDBY TALLY	+	EOM OUT
INDEX SERACH REV [<-] :	STOP TALLY	+	EOM OUT
INDEX SEARCH FWD [->] :	CUE UP_TALLY	+	EOM OUT
CUE UP :	CUE UP_TALLY		
ON LINE :	ON LINE TALLY		
FADER START/STOP :	ON LINE TALLY	+	EOM OUT
TEN KEY 0 :	ON LINE PLAY TALLY	+	CD_TALLY
TEN KEY 1 :	MONITOR PLAY TALLY	+	CD_TALLY
TEN KEY 2 :	PAUSE(JOG ON) TALLY	+	CD_TALLY
TEN KEY 3 :	STANDBY TALLY	+	CD_TALLY
TEN KEY 4 :	STOP TALLY	+	CD_TALLY
TEN KEY 5 :	ON LINE PLAY TALLY	+	CF_TALLY
TEN KEY 6 :	MONITOR PLAY TALLY	+	CF_TALLY
TEN KEY 7 :	PAUSE(JOG ON) TALLY	+	CF_TALLY
TEN KEY 8 :	STANDBY TALLY	+	CF_TALLY
TEN KEY 9 :	STOP TALLY	+	CF_TALLY

④ SERIAL REMOTE CHECK

背面のSERILA (REMOTE)のポートに通信信号 (TXD,RXD)をループバックさせるコネクタを接続します。(下図参照)



15pinループバック治具回路図

"SERIAL REMOTE CHECK"を選択し、DATAダイヤルを押します。検査結果が表示されます。

```
OK
MENU KEY to return
(Continues pushing in the KEY CHECK)
```

検査OKの場合

```
NG
MENU KEY to return
(Continues pushing in the KEY CHECK)
```

検査NGの場合

MENUキーを押すと、テストモードメニューに戻ります。

⑤ EPP CHECK

"EPP CHECK"を選択し、DATAダイヤルを押します。各種設定のバックアップを行うEEPROMへの初期化設定が行えます。

```
DEFAULT ALL
DEFAULT PARAM
CLEAR TIME
```

MENUキーを押すと、テストモードメニューに戻ります。

"DEFAULT ALL"

EEPROMの全初期化設定(工場出荷用)です。各種積算時間も初期化します。

"DEFAULT PARAMETER"

EEPROMの初期化設定です。各種積算時間は、初期化しません。

"CLEAR TIME"

各種積算時間を初期化設定です。サービスにてCDドライブを交換した時に使用します。

⑥ INFORMATION

"INFORMATION"を選択し、DATAダイヤルを押します。下記のバージョン/ビルド番号および稼働時間が表示されます。

```
Main Unit   : Ver 1.00 Build 0012
              PLD Ver 01 123 h
Panel Unit  : Ver 1.00 Build 0034
              PLD Ver 01
Drive Unit  : Ver 3.0A 99 h
```

Main Unit	メインシステム マイコンバージョン ビルドナンバー メインシステム PLDバージョン 稼働時間
Panel Unit	パネルマイコンバージョン ビルドナンバー パネルPLDバージョン
Drive Unit	ドライブマイコンバージョン 稼働時間

MENUキーを押すと、テストモードメニューに戻ります。

4) USBキーボードの確認

NUMLOCK LEDのあるキーボードを接続します。

接続後、NUMLOCKキーを押してLEDが点灯したり、消灯することが確認できれば、正常に通信できています。

2. メインファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。
- ② フロントパネルの **MENU** ボタンを押して、"**MENU**"画面を表示します。
- ③ **DATA**ダイヤルを回して"**6.INFORMATION**"を選択し、**DATA**ダイヤルを押します。(ENTER)
- ④ **DATA**ダイヤルを回して"**2.SYSTEM INFO**"を選択し、**DATA**ダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD v09
Panel Unit: Ver 1.01 Build 0045 PLD v01
Drive Unit: Ver W.0E
RC Unit   : Ver 1.01 Build 0045 PLD v01
Work Time : Main 55h Drv 55h RC 196h

```

ここで表示される"**Ver**"(ファームウェアバージョン) "**Build**"(ビルド番号)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「パネル ファームウェアおよび ドライブファームウェア」のアップデートファイルとの混在は可能です。
- ② 本体の **STOP** ボタンと **MONITOR** ボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。

DATAダイヤルを回して"**system update**"を選択し(初期画面で"**system update**"が選択されています)、**DATA**ダイヤルを押します。(ENTER)

```

CD-9010CF UPDATE MENU
System update
Drive update

```

上記の画面が表示されない時は、一旦電源を切り**STOP** ボタンと **MONITOR** ボタンを同時に押しながら再度電源を入れてください。

STOP ボタンと **MONITOR** ボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレイがオープンし、画面に以下のように表示されます。
準備したCD-R DISCをトレイにセットし、本体の **OPEN/CLOSE** ボタンを押して、DISCローディング→リーディング完了を待ちます。

```

System update mode.
Insert CD,
including update file.

```

- ⑤ ディスクローディングが完了すると、以下の画面が表示されます。

```

System update mode.
Insert CD,
including update file.

Ver. 1.00 to 1.01
Bld. 0031 to 0039
Press ENTER to execute update.

```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレイがオープンし、画面下に"**update OK. Turn system power off...**"と表示されます。
DISCを取り外し、再度電源を入れてください。
7. 「1) ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

3. パネルファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。RC-9010のファームウェアバージョンを確認する場合は、予め本体に接続しておいてください。
- ② RC-9010または、本体フロントパネルの**MENU** ボタンを押して、**"MENU"**画面を表示します。
- ③ **DATA**ダイヤルを回して**"6.INFORMATION"**を選択し、**DATA**ダイヤルを押します。(ENTER)
- ④ **DATA**ダイヤルを回して**"2.SYSTEM INFO"**を選択し、**DATA**ダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD 009
Panel Unit: Ver 1.01 Build 0045 PLD 001 *1
Drive Unit: Ver 0.0E
RC Unit   : Ver 1.01 Build 0045 PLD 001 *2
Work Time : Main 55h Drv 55h RC 196h

```

*1 CD-9010CF / CD-9010

*2 RC-9010 / RC-9010S / RC-9010D

ここで表示される**"Ver"**(ファームウェアバージョン)**"Build"**(ビルド番号)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「メインファームウェアおよびドライブファームウェア」のアップデートファイルとの混在は可能です。
- ② RC-9010のファームウェアアップデートを行う場合は、RC-9010の**STANDBY** ボタンと**PLAY** ボタンを同時に押しながら、本体の電源を入れます。
CD-9010 Panelのファームウェアアップデートを行う場合は、本体の**STANDBY** ボタンと**PLAY** ボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。システム起動を待ちます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]

Waiting for System startup...

```

上記の画面が表示されない時は、一旦電源を切り**STOP** ボタンと**MONITOR** ボタンを同時に押しながら再度電源を入れてください。

STANBY ボタンと**PLAY** ボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレーがオープンし、画面に以下のように表示されます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]

Set Update CD then push OPEN/CLOSE

```

- ⑤ ディスクリーディングが完了すると、以下の画面が表示されます。

```

RC-9010/CD-9010 Panel
Firmware Update [V.01]
Ver 1.00 -> Ver 1.01
Build 0035 Build 0045
Are You Sure? "ENTER"

```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレーがオープンし、画面下に**"Complete"**、**"PLS PWR OFF"**と表示されます。DISCを取り外し、再度電源を入れてください。
7. 「1)ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

メモ

RC-9010をお持ちの方は、RC-9010およびCD-9010 Panel 双方のファームウェアアップデートを行う必要があります。

4. ドライブファームウェアアップデート

1) ファームウェアバージョンの確認

ファームウェアアップデート作業前に、本機のDriveファームウェアバージョンを確認します。

- ① 本体の電源を入れてください。
- ② 本体フロントパネルのMENUボタンを押して、「MENU」画面を表示します。
- ③ DATAダイヤルを回して「6.INFORMATION」を選択し、DATAダイヤルを押します。(ENTER)
- ④ DATAダイヤルを回して「2.SYSTEM INFO」を選択し、DATAダイヤルを押します。(ENTER)
- ⑤ 以下のような画面が表示されます。

```

MENU
-- SYSTEM INFORMATION --
Main Unit : Ver 1.01 Build 0039 PLD v09
Panel Unit: Ver 1.01 Build 0045 PLD v01
Drive Unit: Ver W.0E
RC Unit   : Ver 1.01 Build 0045 PLD v01
Work Time : Main 55h Drv 55h RC 196h

```

ここで表示される「Ver」(ファームウェアバージョン)を確認してください。

ここで表示されるバージョンが、これからアップデートしようとしているバージョンと同じ、または新しい場合はアップデートの必要はありません。

2) ファームウェアアップデート手順

- ① PCを使ってアップデートファイルをCD-R DISCのルートフォルダに書き込みます。

注意

- アップデートファイル以外のファイルは、書き込まないでください。
 - 複数のアップデートファイルを書き込まないでください。但し、「メインファームウェアおよびパネルファームウェア」のアップデートファイルとの混在は可能です。
- ② 本体のSTOPボタンとMONITORボタンを同時に押しながら、本体の電源を入れます。
 - ③ アップデートモードが起動して、下記の画面が表示されます。

```

CD-9010CF UPDATE MENU
System update
Drive update

```

上記の画面が表示されない時は、一旦電源を切りSTOPボタンとMONITORボタンを同時に押しながら再度電源を入れてください。

STANBYボタンとMONITORボタンは、上記の画面が表示されるまでしっかり押し続けてください。

- ④ CDドライブのトレイがオープンし、画面に以下のように表示されます。
準備したCD-R DISCをトレイにセットし、本体のOPEN/CLOSEボタンを押して、DISCローディング→リーディング完了を待ちます。

```

System update mode.
Insert CD,
including update file.

```

- ⑤ ディスクローディングが完了すると、以下の画面が表示されます。

```

Drive update mode.
Insert CD,
including update file.
Ver. W.0E to W.0G
Press ENTER to execute update.

```

左側に現在のバージョン、右側にアップデートするバージョンナンバーが表示されます。

DATAダイヤルを押すと(ENTER)、アップデートを開始します。

メモ

画面は一例で、実際の表示とは異なります。

- ⑥ アップデートが終了すると自動的にCDドライブのトレイがオープンし、画面下に「update OK. Turn system power off…」と表示されます。
DISCを取り外し、再度電源を入れてください。
- ⑦ 「1)ファームウェアバージョンの確認」を参照して、ファームウェアバージョンが最新のファームウェアとなっていることを確認してください。

以上でアップデート作業は終了です。

アナログリファレンスレベルの設定

アナログ出力のリファレンスレベルを設定します。
アナログオーディオ出力では、デジタル基準レベルのデジタル音声
がアナログ出力基準レベルのアナログ音声として出力されます。

1. MENU ボタンを押して、"MENU"画面を表示します。
2. "SYSTEM"メニュー画面を表示します。
3. "ANALOG REF LVL"項目を選択(反転表示)します。

MENU	
1	DIGITAL REF LVL <u>-18dBFS</u>
2	ANALOG REF LVL <u>+4dBu</u>
3	ANALOG REF ADJ L <u>0.0dB</u>
4	ANALOG REF ADJ R <u>0.0dB</u>
5	ONLINE FUNCTION <u>SWTCH.OK</u>
6	CLOCK MASTER <u>INT</u>

4. DATAダイヤルを押してカーソルが右側に移動し、設定項目を選択(反転表示)状態にします。
5. DATAダイヤルを回して、アナログリファレンスレベルを設定します。アナログリファレンスの設定値は、"DIGITAL REF LVL"項目の設定により、選択できる値が異なります。

DIGITAL REF LVLの設定値	ANALOG REF LVLの設定値
-9dBFS時	+6dBu 固定
-9dBFS以外	-20dBu、+4dBu(初期値)

メモ

本設定は、LINE OUTPUTS端子についてのみ適用されます。

6. 設定が終了したら、HOMEボタンを押してホーム画面に戻ります。

メモ

アナログリファレンスレベルの設定は、電源をオフにしても保持されます。

アナログリファレンスレベルを調節する

アナログ出力のリファレンスレベルを調節します。Lチャンネル、Rチャンネルのそれぞれ別々に調節することができます。

1. MENU ボタンを押して、"MENU"画面を表示します。
2. "SYSTEM2"メニュー画面を表示します。
3. "ANALOG REF ADJ L"項目または"ANALOG REF ADJ R"項目を選択(反転表示)します。

MENU	
1	DIGITAL REF LVL <u>-18dBFS</u>
2	ANALOG REF LVL <u>+4dBu</u>
3	ANALOG REF ADJ L <u>0.0dB</u>
4	ANALOG REF ADJ R <u>0.0dB</u>
5	ONLINE FUNCTION <u>SWTCH.OK</u>
6	CLOCK MASTER <u>INT</u>

4. DATAダイヤルを押してカーソルが右側に移動し、設定項目を選択(反転表示)状態にします。
5. DATAダイヤルを回して、アナログリファレンスレベルを調節します。
設定範囲: "6.0dB" ~ "+6.0dB" (初期値: "0dB"、"0.1dB"単位)
6. 設定が終了したら、HOMEボタンを押してホーム画面に戻ります。

メモ

- 本設定は、LINE OUTPUTS端子についてのみ適用されます。
- アナログリファレンスレベルの設定は、電源をオフにしても保持されます。

エラーメッセージ

以下のエラーメッセージがディスプレイにポップアップ表示されたときは、**DATA** ダイヤルを押して、メッセージ表示を閉じてから原因を解消してください。それでも改善しない場合は、お買い上げ店またはティアック修理センター（裏表紙）にご相談ください。

	1行目	2行目	内容
1	- error -	DECODE	WAVファイルの再生に失敗しました。
2	- error -	MIX DISC	WAV形式のファイルと、オーディオCD形式のファイルが混在したディスクです。
3	- error -	MEMORY READ	選択したデバイスのメディアがセットされていないため、リッピングが実行できません。
4	- error -	TRACK	ディスクに書き込まれたファイルが再生不可能なファイル形式のため、再生できません。
5	- error -	CF WRITE	CFカードへの書き込みに失敗しました。

警告メッセージ

操作を受け付けられない場合は、以下のような警告メッセージをディスプレイにポップアップ表示します。警告メッセージは、約2秒間表示された後、自動的に消えます。

	1行目	2行目	内容
1	- caution -	MEDIA FULL	メディアの記録領域が不足しているため、リッピングができません。
2	- caution -	TRACK FULL	最大記録トラック数(999トラック)に達しているため、リッピングができません。
3	- caution -	NOT EXECUTE	編集の実行に失敗しました。
4	- caution -	CAN'T EDIT	システムの制限により編集ができません。
5	- caution -	CAN'T SELECT	システムの制限により選択/実行ができません。
6	- caution -	TRK PROTECT	保護されたトラックのため、編集ができません。
7	- caution -	NAME FULL	名前が最大文字数に達しています。
8	- caution -	PROGRAM FULL	プログラム内のトラック数が最大数に達しているため、登録できません。
9	- caution -	SAME NAME	名前が重複しています。

動作メッセージ

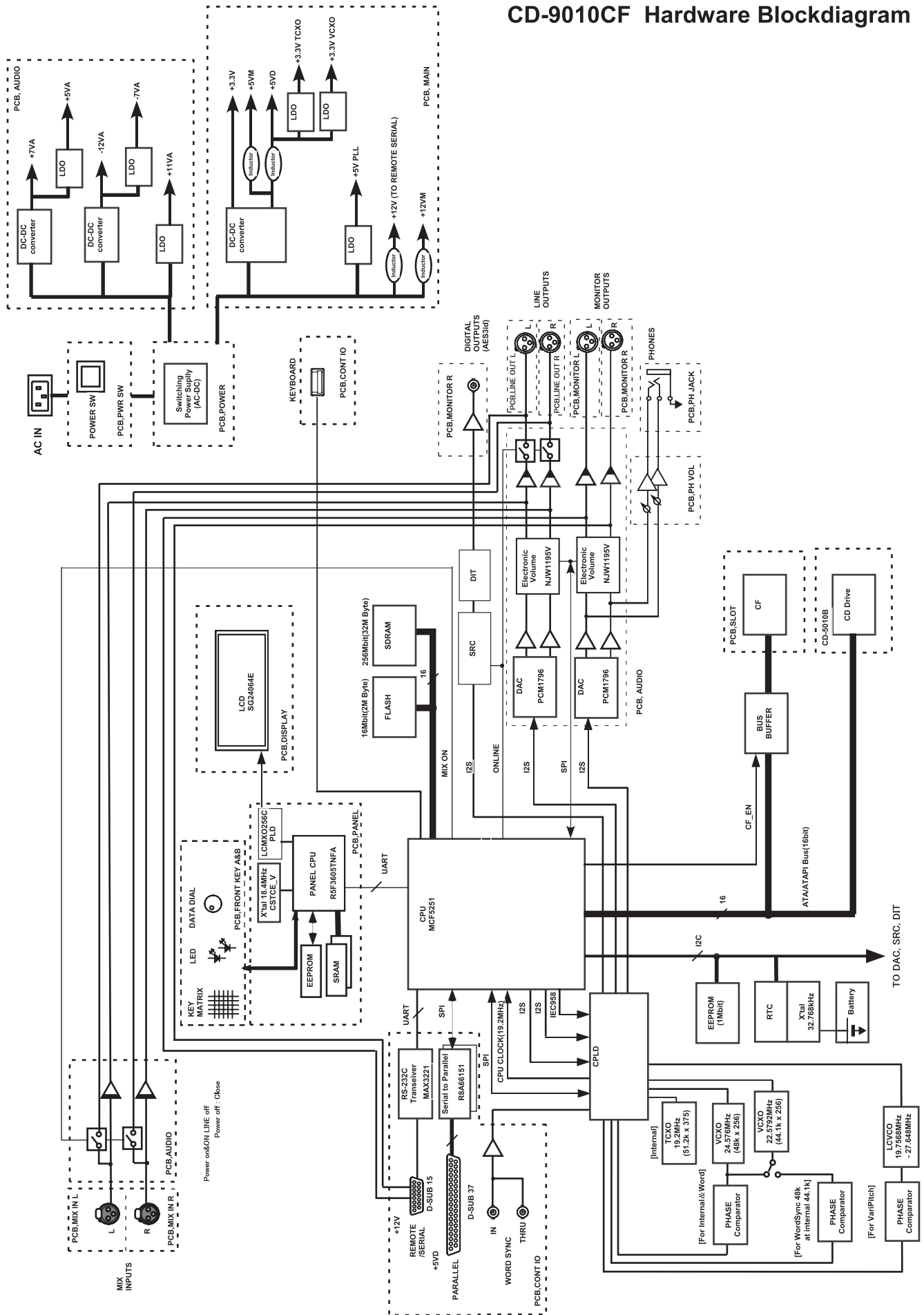
必要に応じてディスプレイの時間表示部に、以下のメッセージが表示されます。

	1行目	内容
1	CLOSE	ディスクトレイを閉じています。
2	DEVICE ERROR	デバイスが認識できません。サービスへお問い合わせください。
3	MEDIA ERROR	再生可能なメディアではありません。
4	MEDIA READING	メディア読み込み中です。
5	NO MEDIA	カレントデバイスのメディアが挿入されていません。
6	OPEN	ディスクトレイを開いています。
7	POWER ON	システムが起動初期化中です。
8	RIPPING	CDをCFカードにリッピング(変換コピー)中です。
9	UNKNOWN	FAT以外でファイル形式されたメディアです。本機で使用する場合は、フォーマットを行ってください。対応していないディスクです(DVD、ハイブリッドではないSACDなど)。オーディオCD、もしくはWAVファイルが記録されたデータCDをご使用ください。

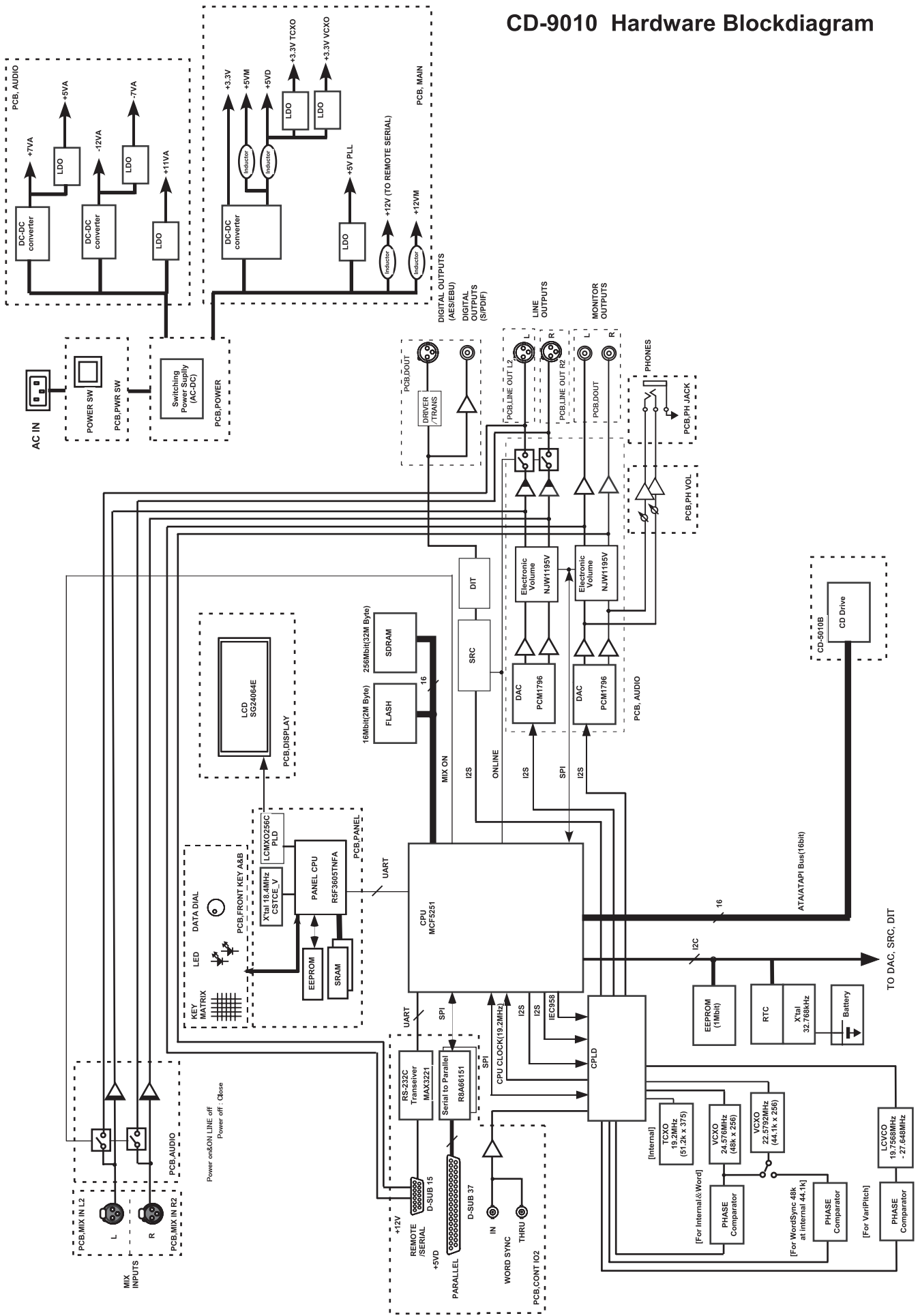
Hardware Block Diagram

ハードブロックダイアグラム

CD-9010CF Hardware Blockdiagram



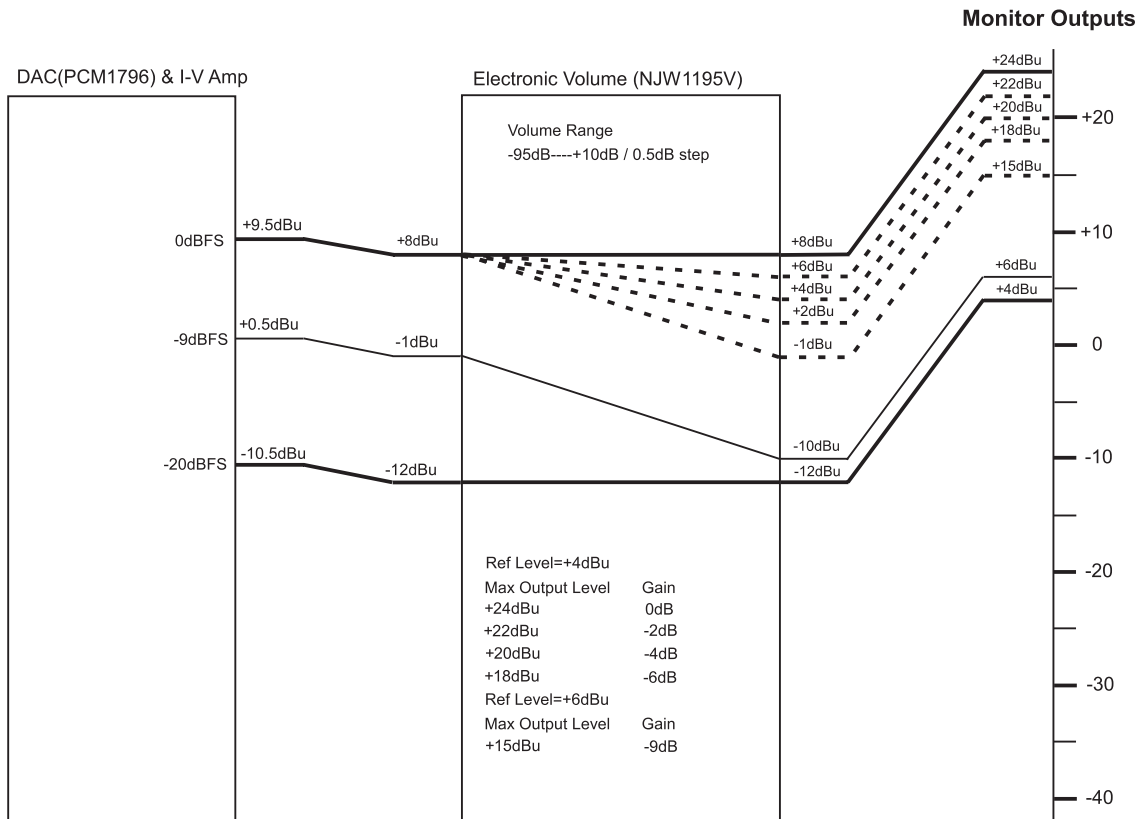
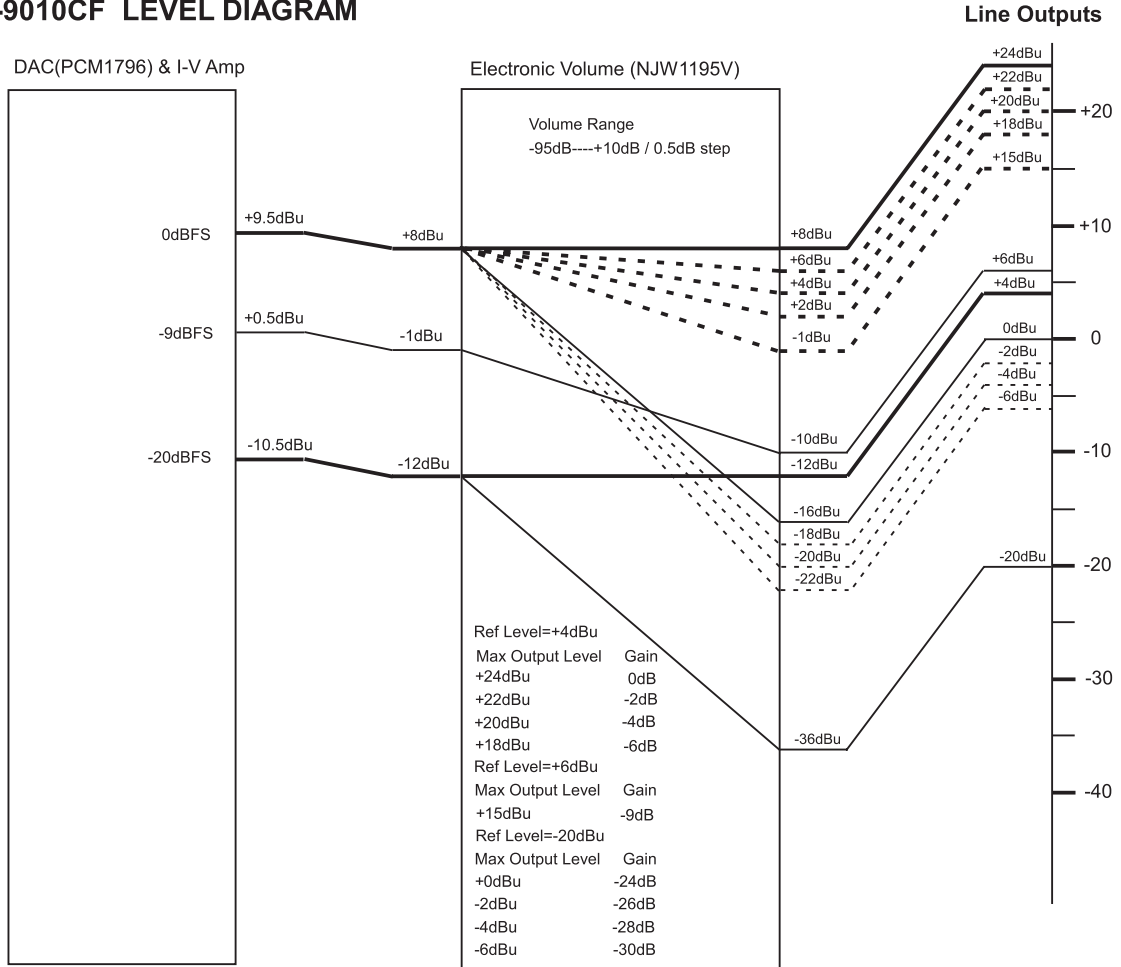
CD-9010 Hardware Blockdiagram



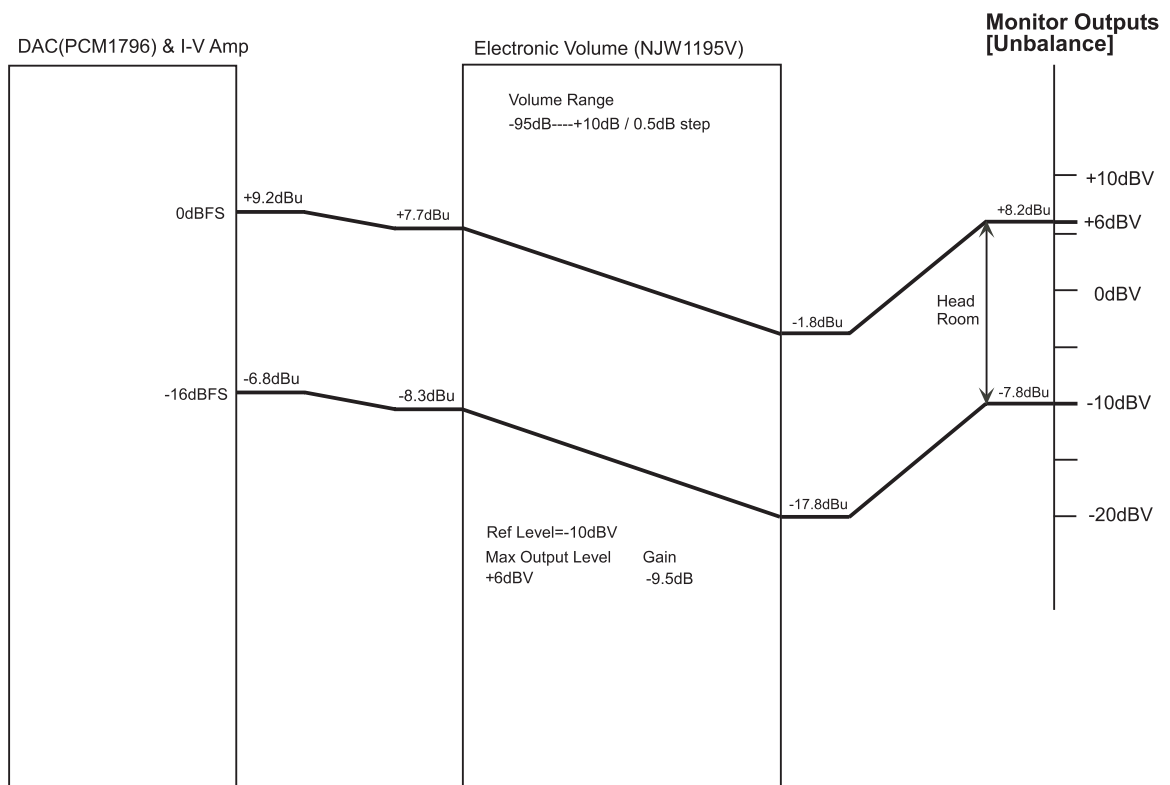
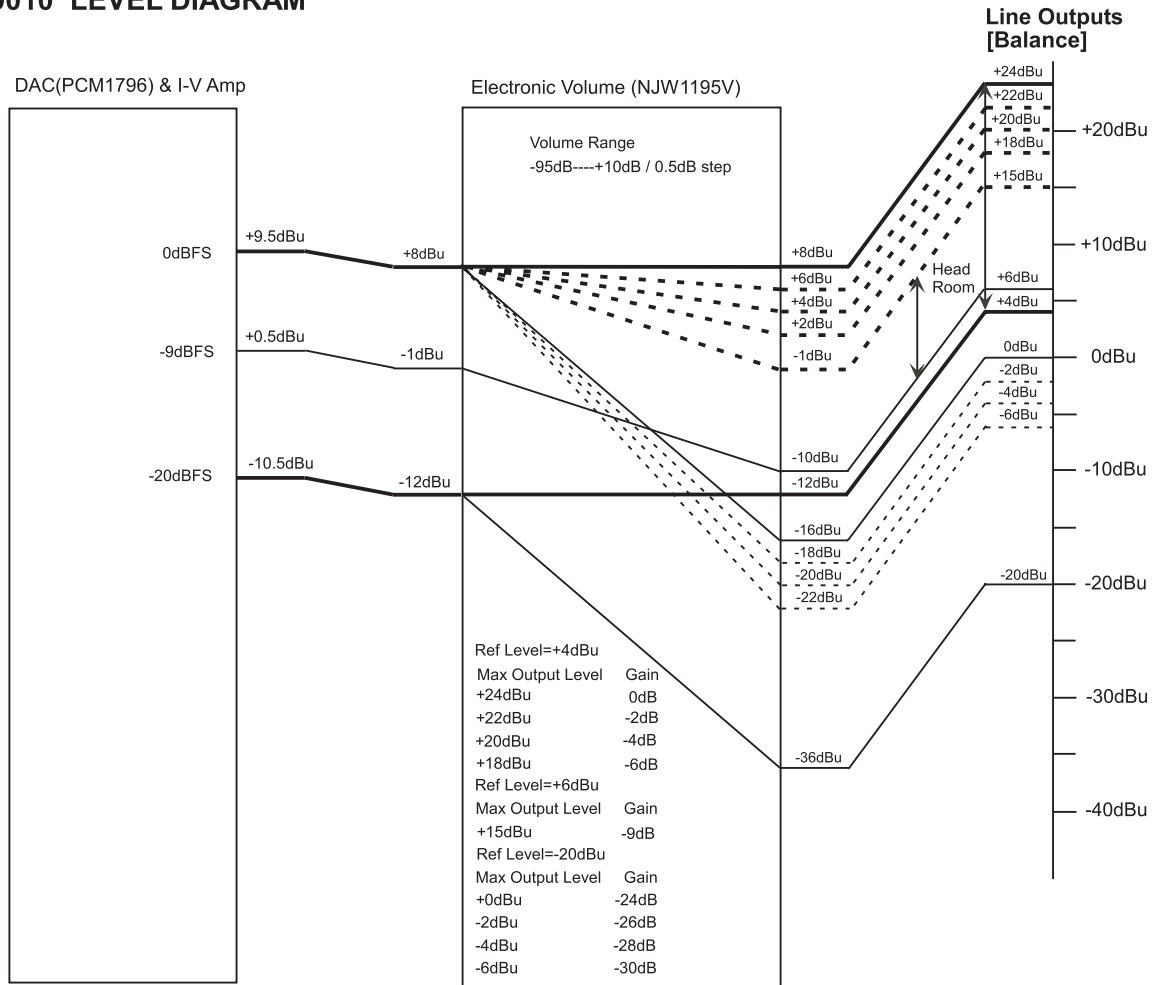
LEVEL Diagram

レベルダイアグラム

CD-9010CF LEVEL DIAGRAM

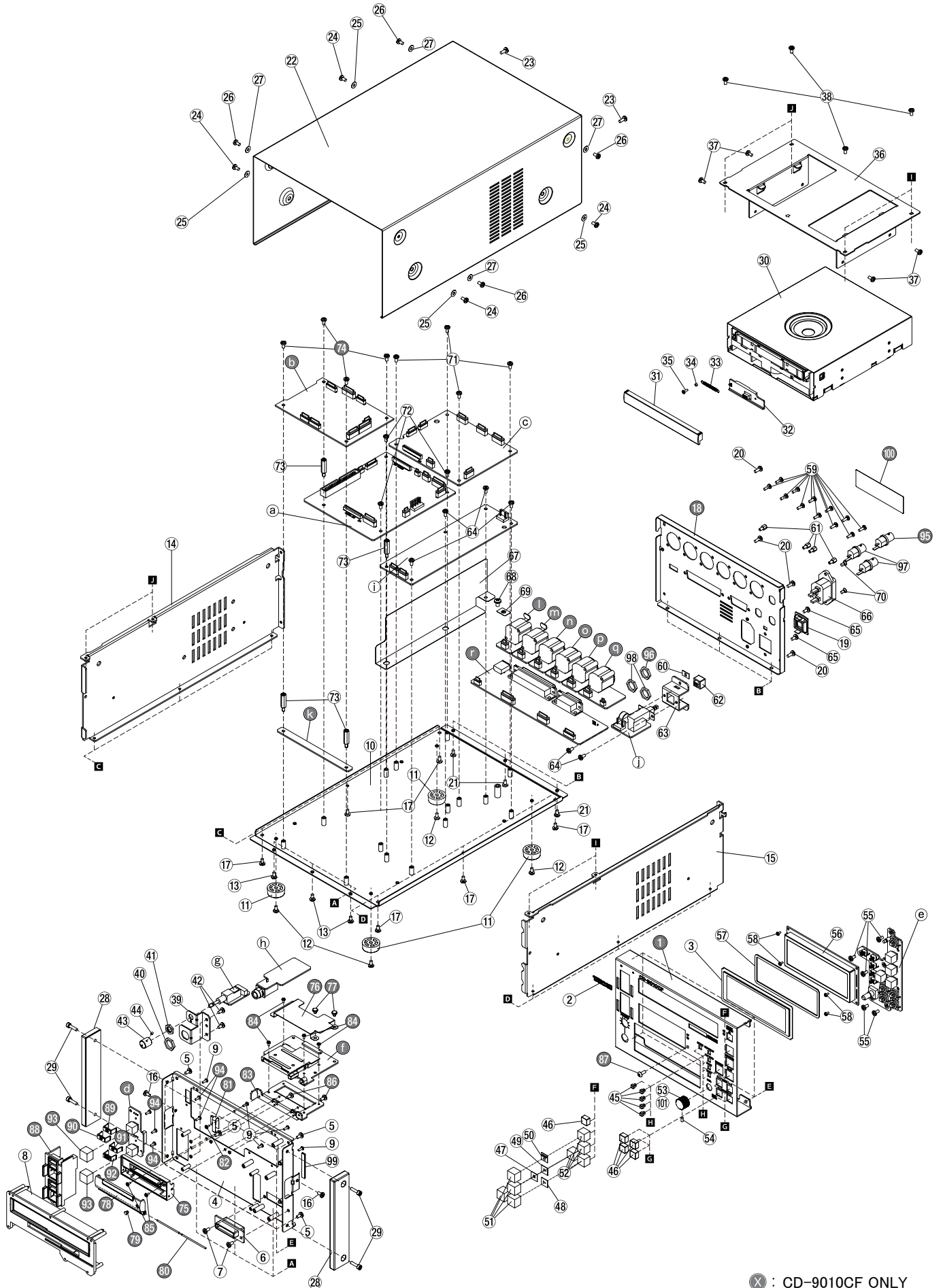


CD-9010 LEVEL DIAGRAM



Exploded Views and Parts List

分解図とパーツリスト



X : CD-9010CF ONLY

Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
1	M03371000x	FR PANEL,KCPCFQ G	1	CD-9010CF
1	M03371010x	FR PANEL,KCPCFQ G	1	CD-9010
2	3M0134900x	BADGE TASCAM SILVER G	1	
3	M03373200x	WINDOW,DISPLAY KCPCFQ G	1	
4	M03371600x	CHASSIS,FR KCPCFQ G	1	
5	3B0704806A	SCREW,FPA 3*6 FNI G	4	
6	M03141600x	COVER,FFC HS-8 G	1	
7	B00174006x	SCREW,BPA 3*6 FZC G	2	
8	M03372400x	ESC,DRIVE KCPCFQ G	1	
9	B00199206x	SCREW,BPB 2*6 FZC G	5	
10	M03371200x	BOT PANEL,KCPCFQ G	1	
11	3M001950	FOOT,21MM G	4	
12	B00197806x	SCREW,PPSU 3*6 FZC G	4	
13	B00174006A	SCREW,BPA 3*6 FZC G	3	
14	M03371700x	CHASSIS,SIDE L KCPCFQ G	1	
15	M03371800x	CHASSIS,SIDE R KCPCFQ G	1	
16	B00174006x	SCREW,BPA 3*6 FZC G	2	
17	B00174006x	SCREW,BPA 3*6 FZC G	6	
18	M03371100x	REAR PANEL,KCPCFQ G	1	CD-9010CF
18	M03371110x	REAR PANEL,KCPCFQ G	1	CD-9010
19	M01334900x	ESCUTCHEON,POWERCD-RW402G	1	
20	B00170608x	SCREW,VPCR 3*8 FZB G	4	
21	B00174006x	SCREW,BPA 3*6 FZC G	3	
22	M03371300x	BONNET,KCPCFQ G	1	
23	B00170608x	SCREW,VPCR 3*8 FZB G	2	
24	B00197606x	SCREW,PPSU 3*6 FZB G	4	
25	3M002020	FIBER WSHR,3X8X0.3T BLK	4	
26	B00171406x	SCREW,BPA 3*6 FZB G	4	
27	3M002020	FIBER WSHR,3X8X0.3T BLK	4	
28	M03371400x	SIDE PNL,KCPCFQ G	2	
29	B00286512x	SCREW,YHA 3*12 FIN	4	
30	1C77237051	CD-5010B-051	1	
31	M03372500x	ESC,TRAY KCPCFQ G	1	
32	M03372900x	KNOB,SLIDE KCPCFQ G	1	
33	M03373300x	TNSN SPR,KNOB KCPCFQ G	1	
34	M03373400x	COLLAR,SPR KCPCFQ G	1	
35	B00199206x	SCREW,BPB 2*6 FZC G	1	
36	M03371900x	BRACKET,DRIVE KCPCFQ G	1	
37	B00174006x	SCREW,BPA 3*6 FZC G	4	
38	B00174006x	SCREW,BPA 3*6 FZC G	4	
39	M03372000x	BRACKET,PH KCPCFQ G	1	
40	3M0131000x	NUT, M12X2.3 G	1	
41	-	(NUT M7)	1	
42	B00174006x	SCREW,BPA 3*6 FZC G	2	
43	M03011600x	KNOB,VOL HD-P8 G	1	
44	B00327435x	SCREW,YHT 2*3.5 FZZ G	1	
45	M0339040	BUTTON,ALPS SK2AA00440 G	5	
46	M0339050	BUTTON,OMRON B32-1210 G	5	
47	M03139800x	SHEET,READY RCHS20PD G	1	

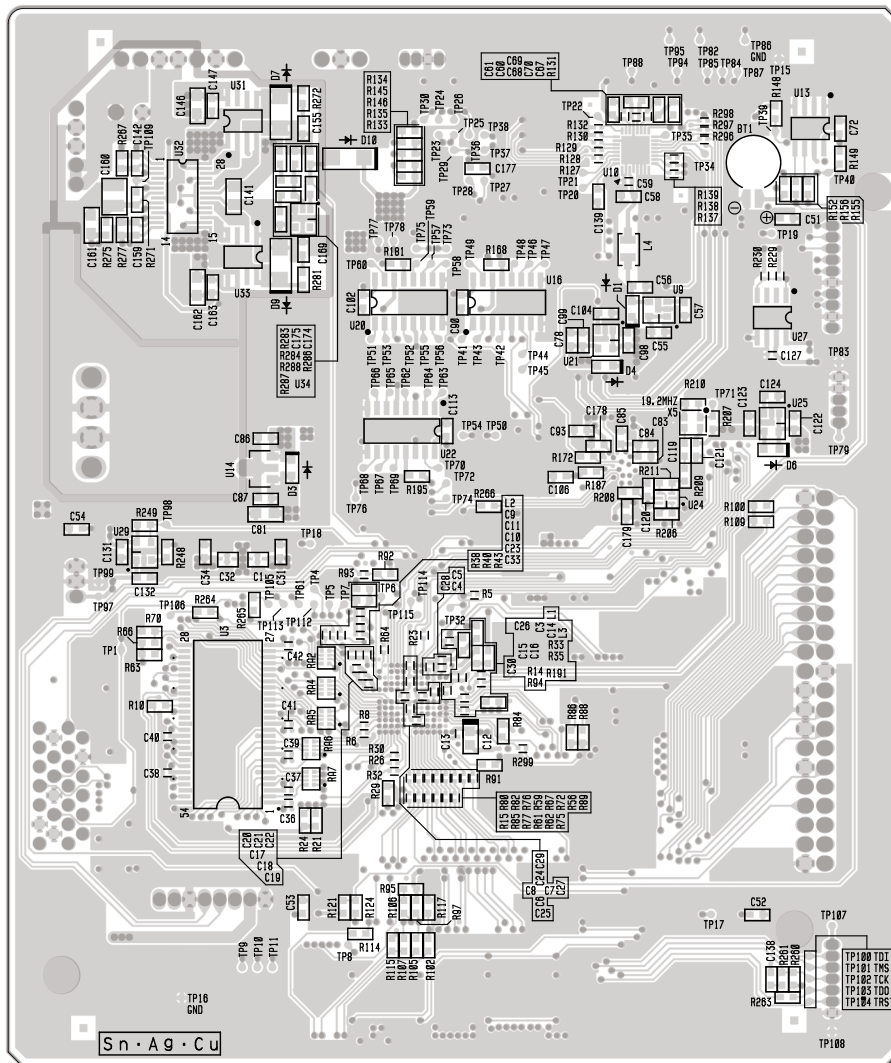
Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
48	M03139900x	SHEET,PLAY RCHS20PD G	1	
49	M03378900x	SHEET,MONITOR KCPCFQ G	1	
50	M03379000x	SHEET,STOP KCPCFQ G	1	
51	M0339010	BUTTON,NP01-ASALCN-106P G	4	
52	M0339020	BUTTON,NP01-ASALCN-106Q G	4	
53	M03395100x	KNOB,ENC KCPCFQ G	1	
54	B00335005x	SCREW,YHT M2.6*5 FNI G	1	
55	3B0704806x	SCREW,FPA 3*6 FNI G	5	
56	Y00572300x	LCD ASSY,RC9010 G	1	
57	M03404400x	CUSHION,LCD CFQ G	1	
58	B00311704x	SCREW,BPA 2*4 FNI G	4	
59	B00199608x	SCREW,BPB 2.6*8 FZB G	*	* CD-9010CF : 12、 CD-9010 : 10
60	M03239200x	SHEET,CVR SW KECED G	1	
61	3B0013000x	D-SUB SCREW 003-HEX G	4	
62	M01335103x	BUTTON,POWER HS-8 G	1	
63	M03372100x	BRACKET,PSW KCPCFQ G	1	
64	B00174006x	SCREW,BPA 3*6 FZC G	6	
65	B00171406x	SCREW,BPA 3*6 FZB G	2	
66	Y00569300x	AC INLET ASSY,KCPCFQ G	1	
66-1	E0173610	CONN,INLET AC-P17CS43 G	1	⚠
66-2	E01794100A	HARN ASSY,AC CD9010 G	1	
66-3	E01794200A	HARN ASSY,EARTH CD9010 G	1	
66-4	3E0212000A	TUBE,SHEER PVC 5.0*25MM-G	3	
66-5	3M000870	CABL BAND,100MM DS-8432-G	1	
66-6	E0170720	CORE,FERRITE TFC-16816 G	1	
67	M03376900x	SHEET,PC INSULATION CFQ G	1	
68	B00198706x	SCREW,BPS 4*6 FZB G	1	
69	M03366500x	LABEL,MARK EARTH 14x10 G	1	
70	B00329400x	SCREW,FPA 3*6 FZB G	2	
71	B00174006x	SCREW,BPA 3*6 FZC G	4	
72	B00174006x	SCREW,BPA 3*6 FZC G	3	
73	B00235500x	SPACER,SQ-18 G	4	
74	B00174006x	SCREW,BPA 3*6 FZC G	4	
75	M03372600x	ESC,SLOT KCPCFQ G	1	CD-9010CF
76	M03377000x	SHEET,PC SLOT KCPCFQ G	1	↑
77	3M0265700x	SNAP RIVET(SR3-4.5) G	2	↑
78	M03373000x	DOOR,KCPCFQ G	1	↑
79	M02759100x	COVER,DOOR SS-R1 G	1	↑
80	M03373500x	SHAFT,DOOR KCPCFQ G	1	↑
81	M03394200x	LEAF SPRING,KCPCFQ G	1	↑
82	B00311704x	SCREW,BPA 2*4 FNI G	1	↑
83	M03372300x	BRACKET,SLOT KCPCFQ G	1	↑
84	B00311704x	SCREW,BPA 2*4 FNI G	4	↑
85	B00311704x	SCREW,BPA 2*4 FNI G	2	↑
86	B00174006x	SCREW,BPA 3*6 FZC G	2	↑
87	B00334300x	SCREW,ZHA3*8FZB G	1	↑
88	M03372700x	ESC,INDICATOR KCPCFQ G	1	↑
89	M03373101x	LENS,CD KCPCFQ G	1	↑
90	M03373102x	LENS,CF KCPCFQ G	1	↑

Exploded View Parts List (CD-9010CF)

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	
91	M03373103x	LENS,ST KCPCFQ G	1	↑
92	M03373104x	LENS,MONO KCPCFQ G	1	↑
93	M0339030	BUTTON,NP01-ASANGZ G	2	↑
94	B00199206x	SCREW,BPB 2*6 FZC G	5	↑
95	Y00571500x	BNC DIGITAL ASSY,CFQ G	1	↑
96	-	(NUT M12)	1	↑
97	Y00571600x	BNC WORD ASSY,CFQ G	2	
98	-	(NUT M12)	2	
99	M0306110	TAPE,ACETATE NO156A 10MMG	15mm	
100	M03423100x	LABEL,NP CD9010CF G	1	CD-9010CF
100	M03423400x	LABEL,NP CD9010 G	1	CD-9010
101	M03459800x	CUSHION,KNOB RC9010 G	1	
102	B00199708x	SCREW,BPB 3*8 FZB G	2	CD-9010
a	E95439900x	PCB ASSY,MAIN CD9010 G	1	
b	E95440000x	PCB ASSY,PANEL CD9010 G	1	CD-9010CF
b	E95440030x	PCB ASSY,PANEL2 CD9010 G	1	CD-9010
c	E95440100x	PCB ASSY,AUDIO CD9010 G	2	
d	E95440200x	PCB ASSY,F-KEY A CD9010 G	1	CD-9010CF
e	E95440300x	PCB ASSY,F-KEY B CD9010 G	1	
f	E95440400x	PCB ASSY,SLOT CD9010 G	1	CD-9010CF
g	E95440500x	PCB ASSY,VOL CD9010 G	1	
h	E95440600x	PCB ASSY,PHONES CD9010 G	1	
i	E95440700x	PCB ASSY,POWER CD9010 G	1	
j	E95440800x	PCB ASSY,PSW CD9010 G	1	
k	E90440900x	PCB,DUMMY CD9010 G	1	CD-9010CF
k	E90454500x	PCB,DUMMY2 CD9010 G	1	CD-9010
l	E95448800x	PCB ASSY,MIX IN L CD9010G	1	CD-9010CF
l	E95453800x	PCBA,MIX IN L2 CD9010G	1	CD-9010
m	E95448900x	PCB ASSY,MIX IN R CD9010G	1	CD-9010CF
m	E95453900x	PCBA,MIX IN R2 CD9010G	1	CD-9010
n	E95449000x	PCBA,LINE OUT L CD9010G	1	CD-9010CF
n	E95454000x	PCBA,LINE OUT L2 CD9010G	1	CD-9010
o	E95449100x	PCBA,LINE OUT R CD9010G	1	CD-9010CF
o	E95454100x	PCBA,LINE OUT R2 CD9010G	1	CD-9010
p	E95449200x	PCBA,MONITOR L CD9010G	1	CD-9010CF
q	E95449300x	PCBA,MONITOR R CD9010G	1	CD-9010CF
r	E95441000x	PCB ASSY,CONT IO CD9010 G	1	CD-9010CF
r	E95454200x	PCBA,CONT IO2 CD9010 G	1	CD-9010
s	E95454300x	PCB ASSY,DOUT CD9010 G	1	CD-9010

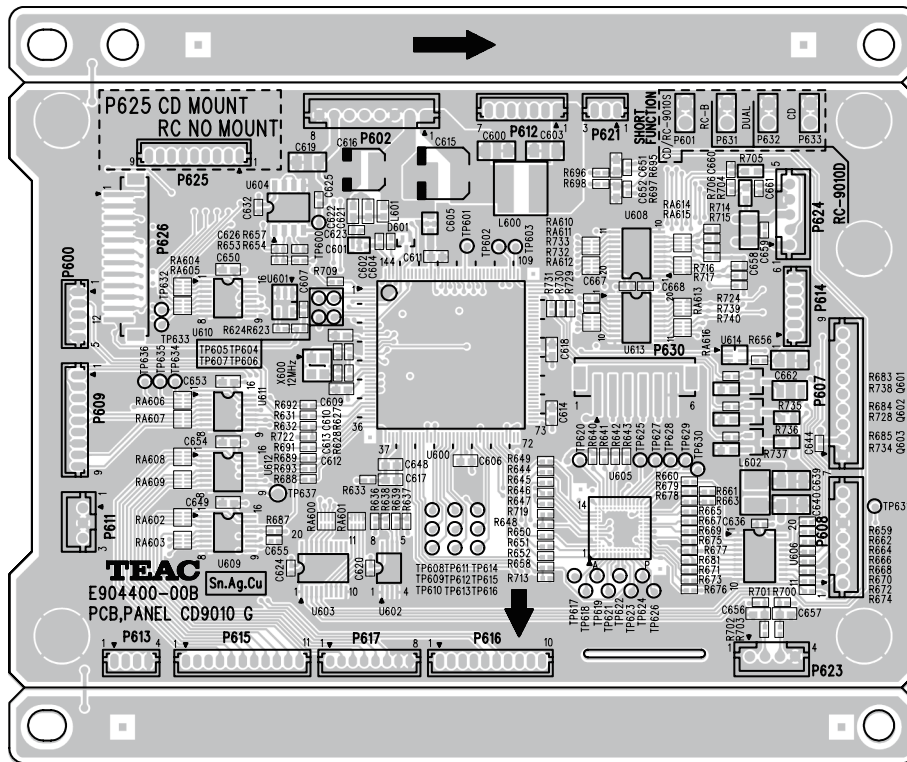
E95439900A PCB ASSY,MAIN CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

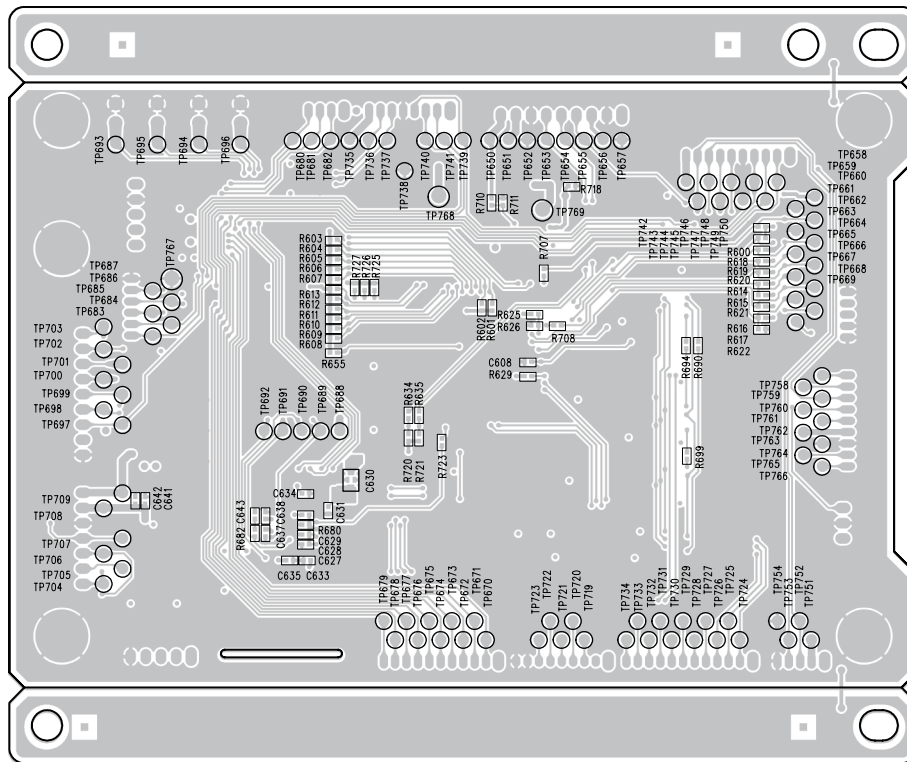
E9544000A PCB ASSY,PANEL CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

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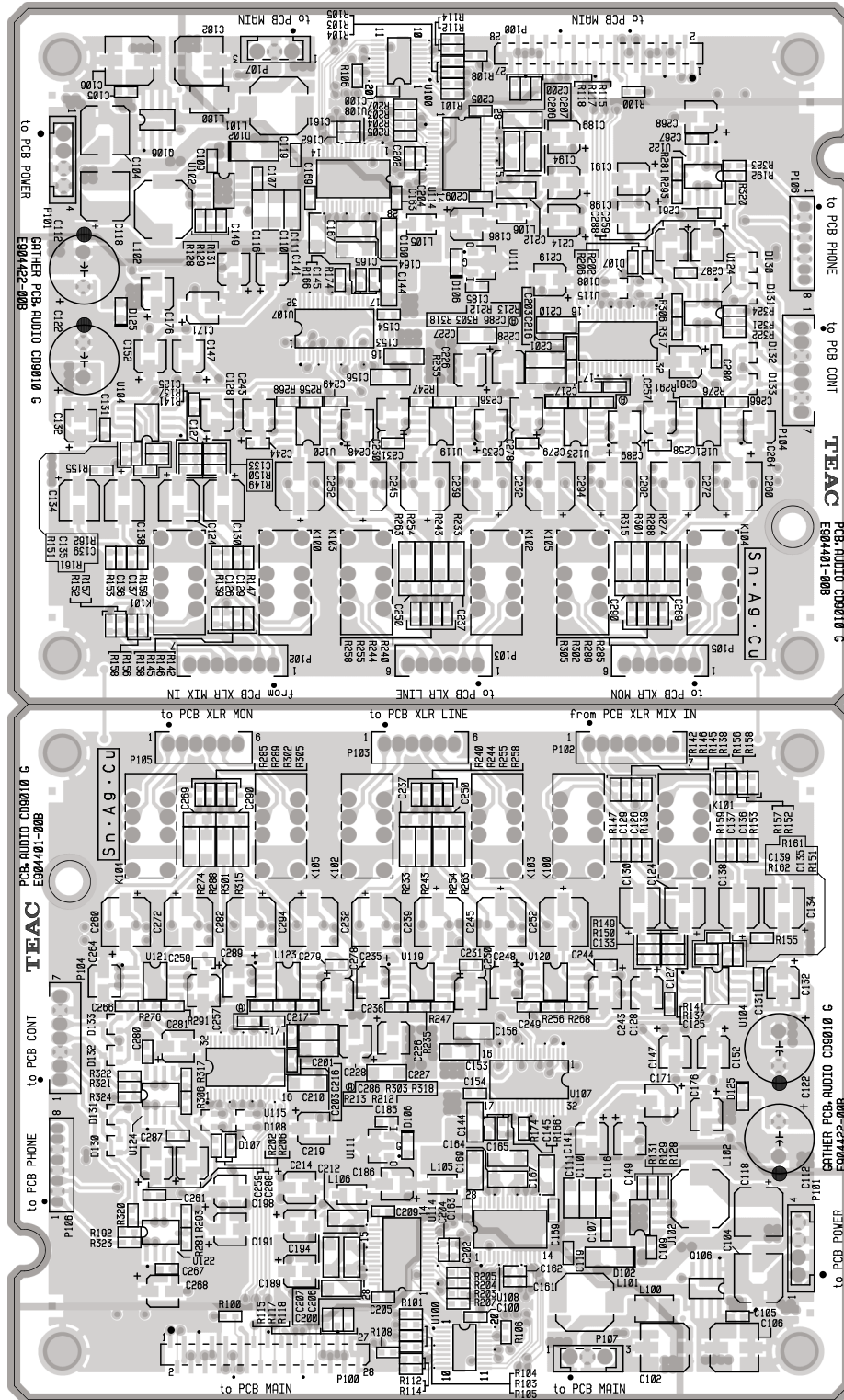
E9544000A PCB ASSY,PANEL CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

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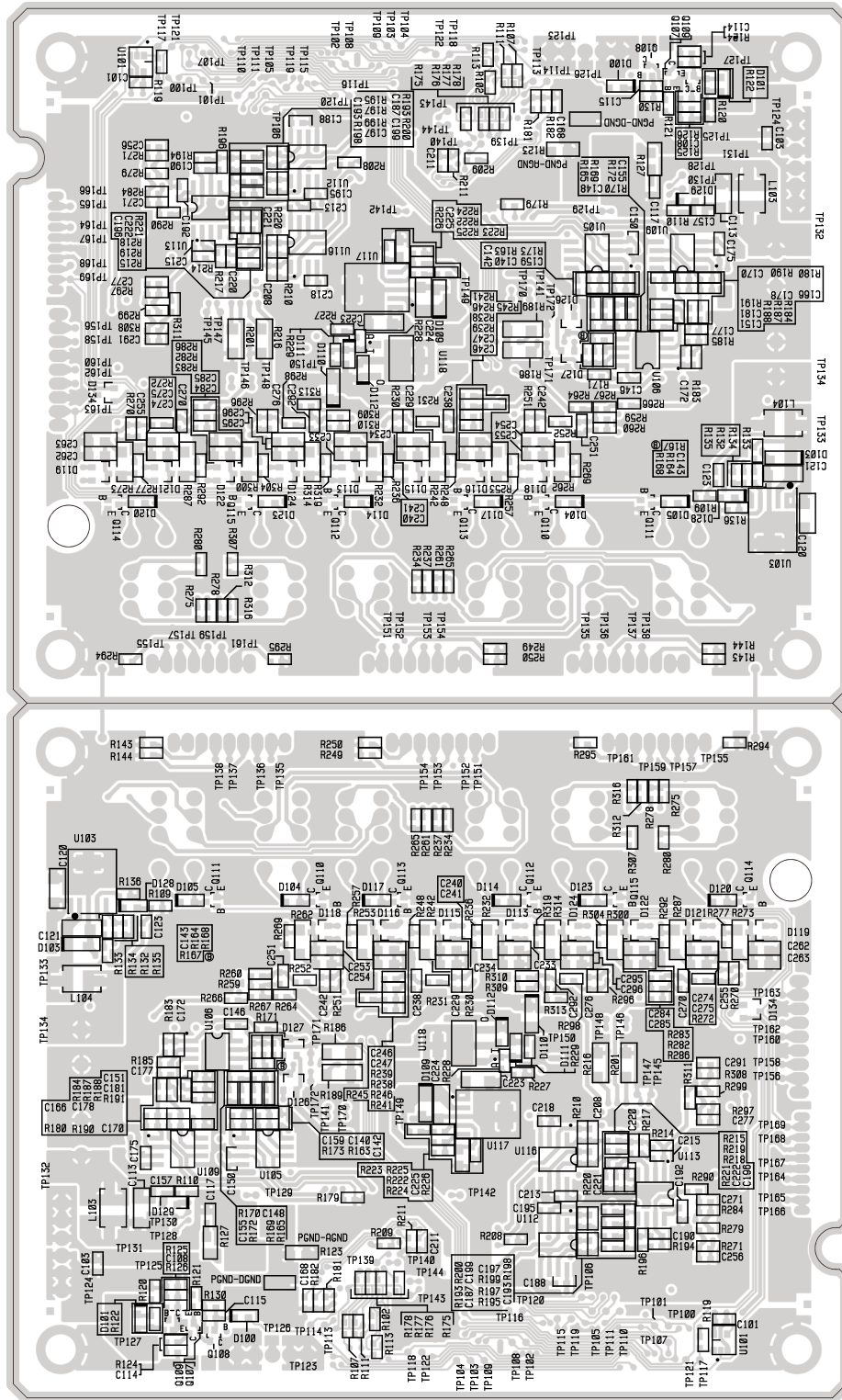
E95442200A GPCBA,AUDIO CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

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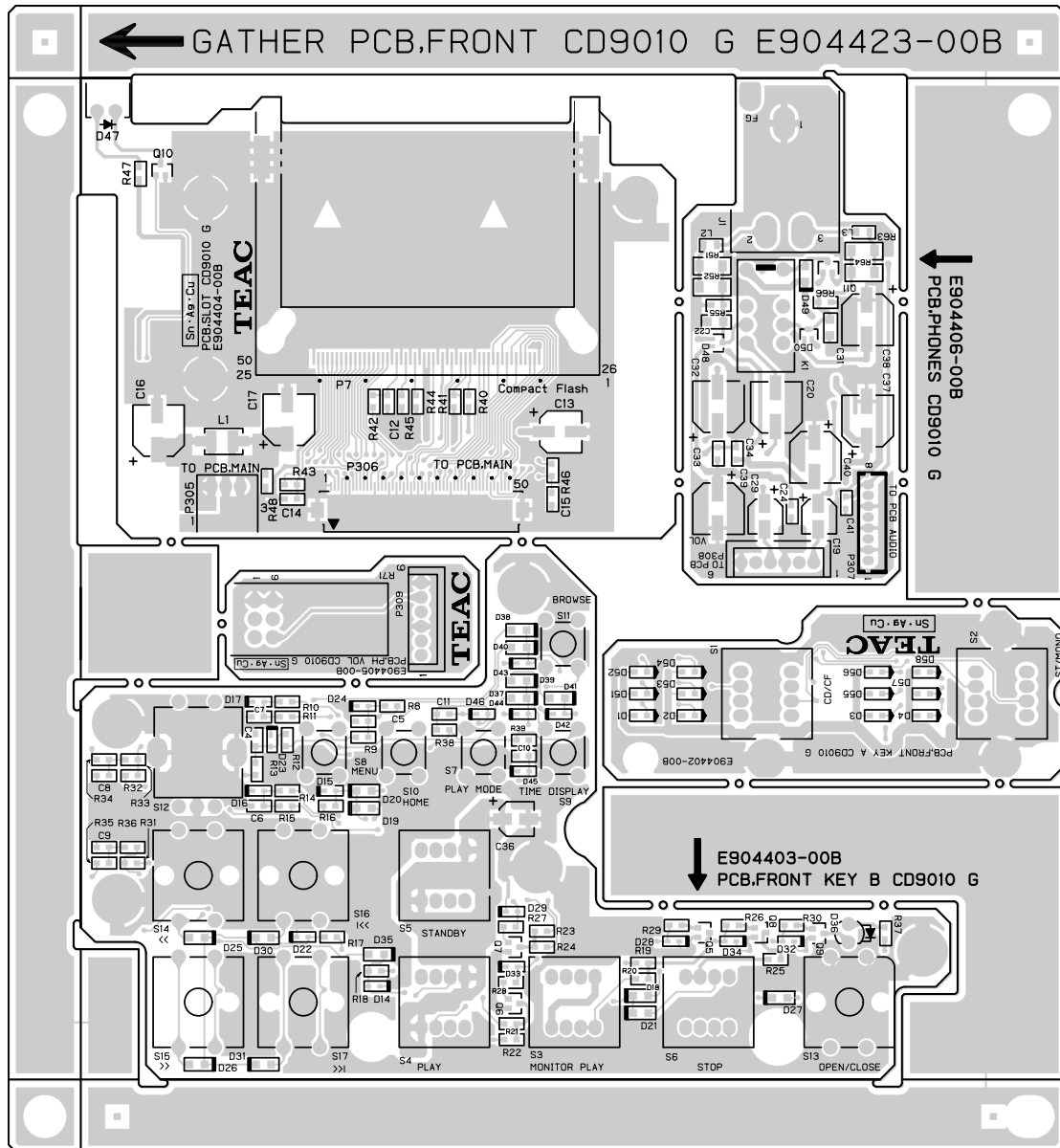
E95442200A GPCBA,AUDIO CD9010 G



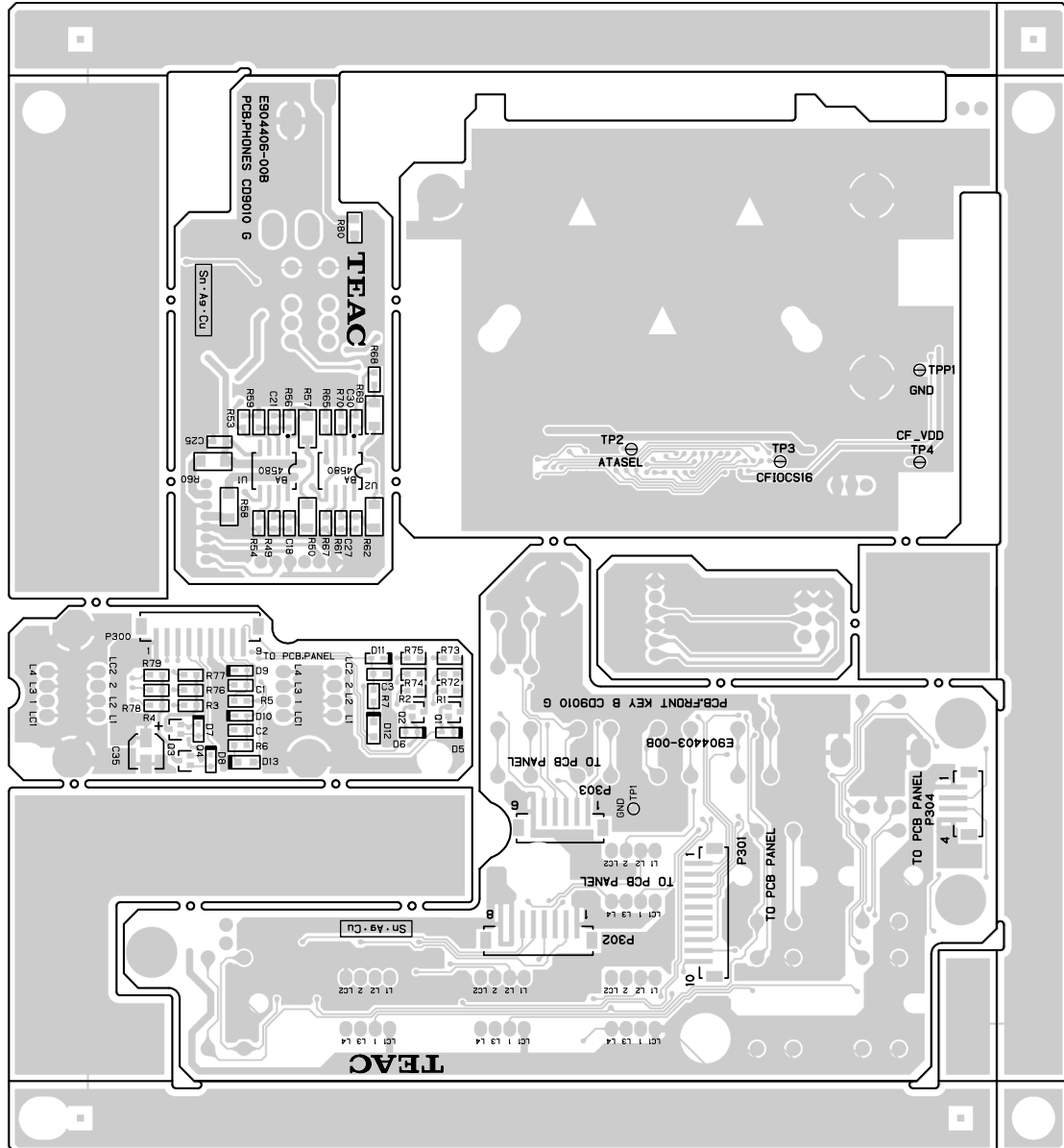
CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

E95442300A GPCBA,FRONT CD9010 G



E95442300A GPCBA,FRONT CD9010 G

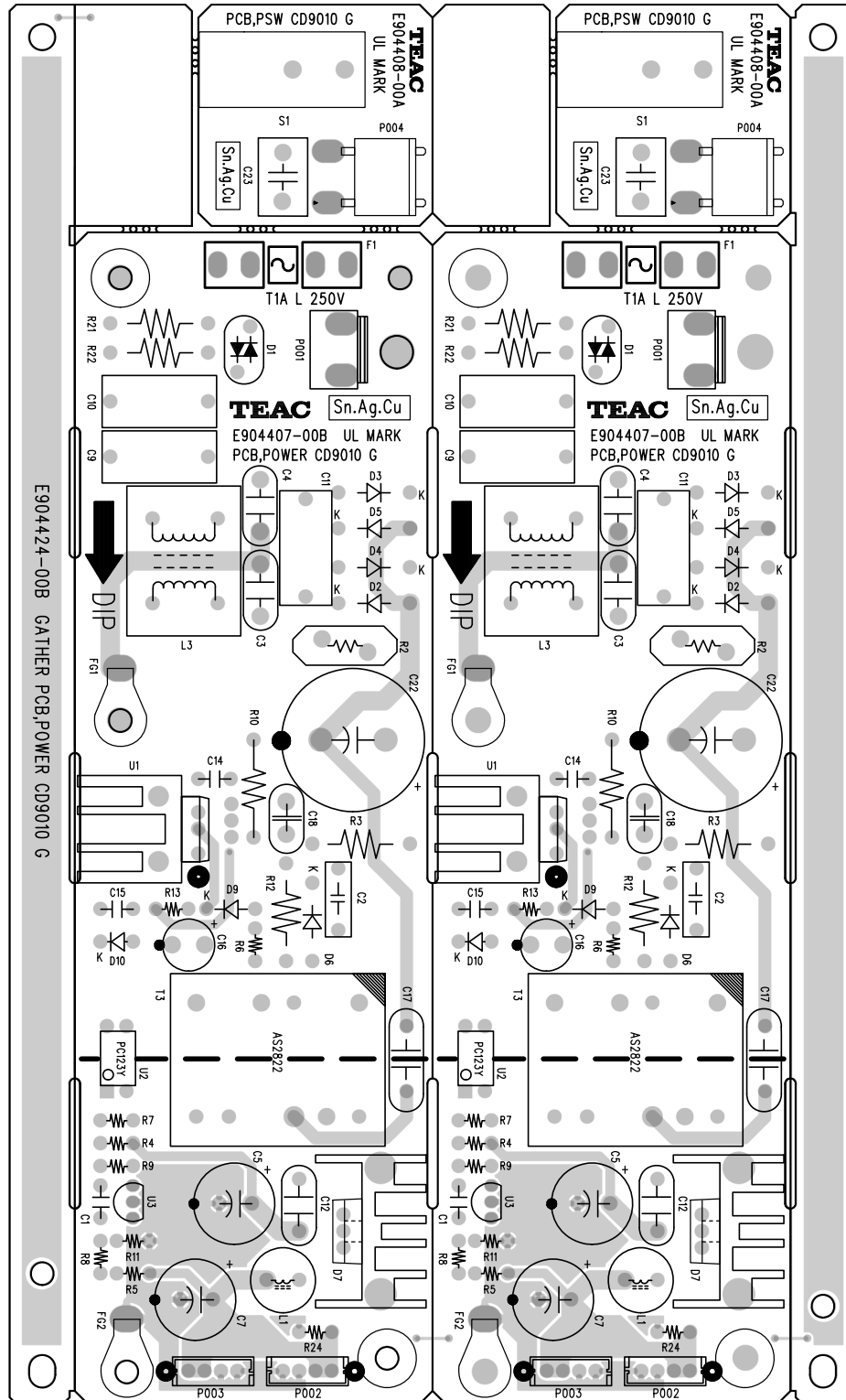


CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

- 29 -

注意 破線部分は、太字品番で発注する補修部品になります。

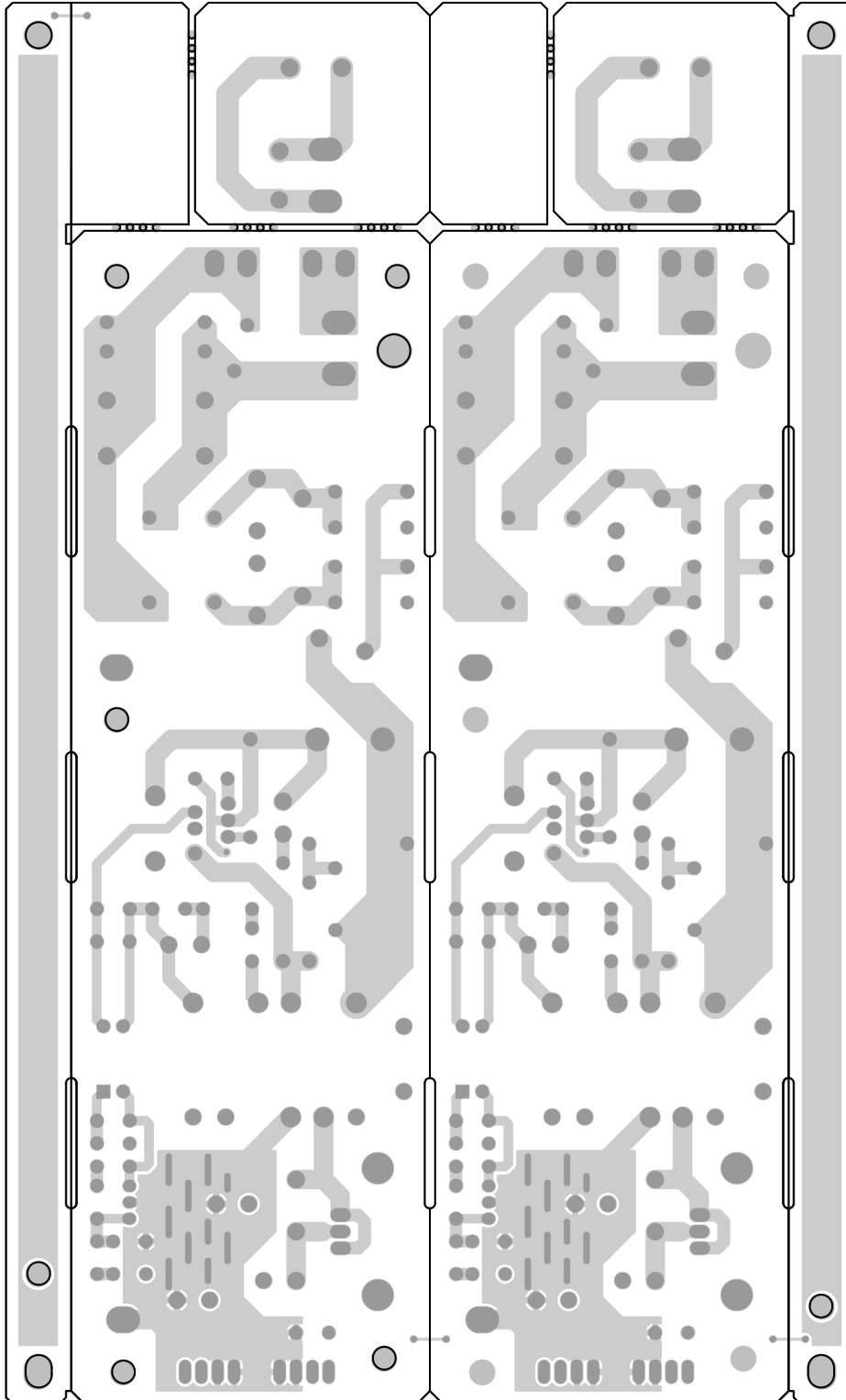
E95442400A GPCBA,POWER CD9010 G



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

E95442400A GPCBA,POWER CD9010 G

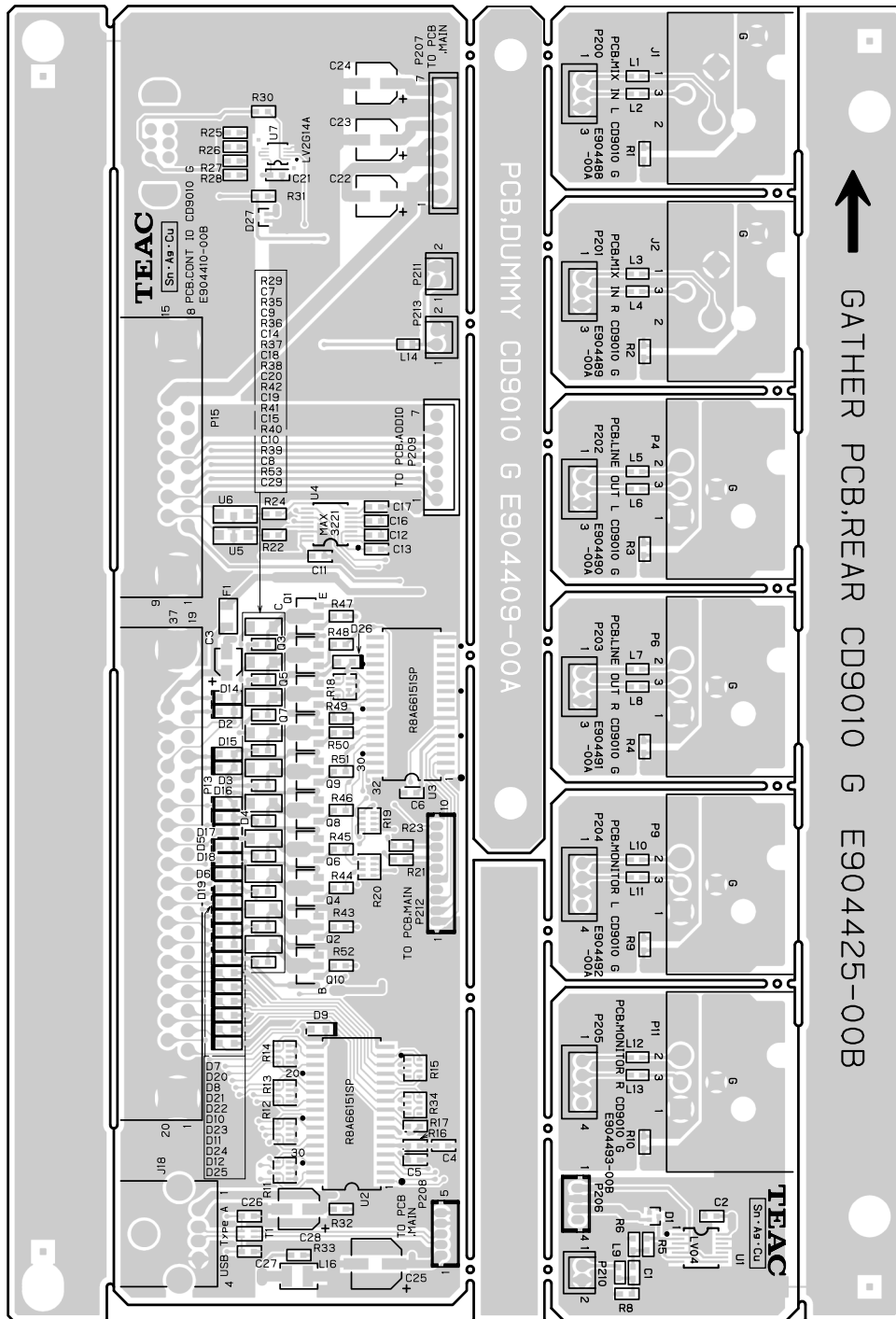


CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

- 31 -

注意 破線部分は、太字品番で発注する補修部品になります。

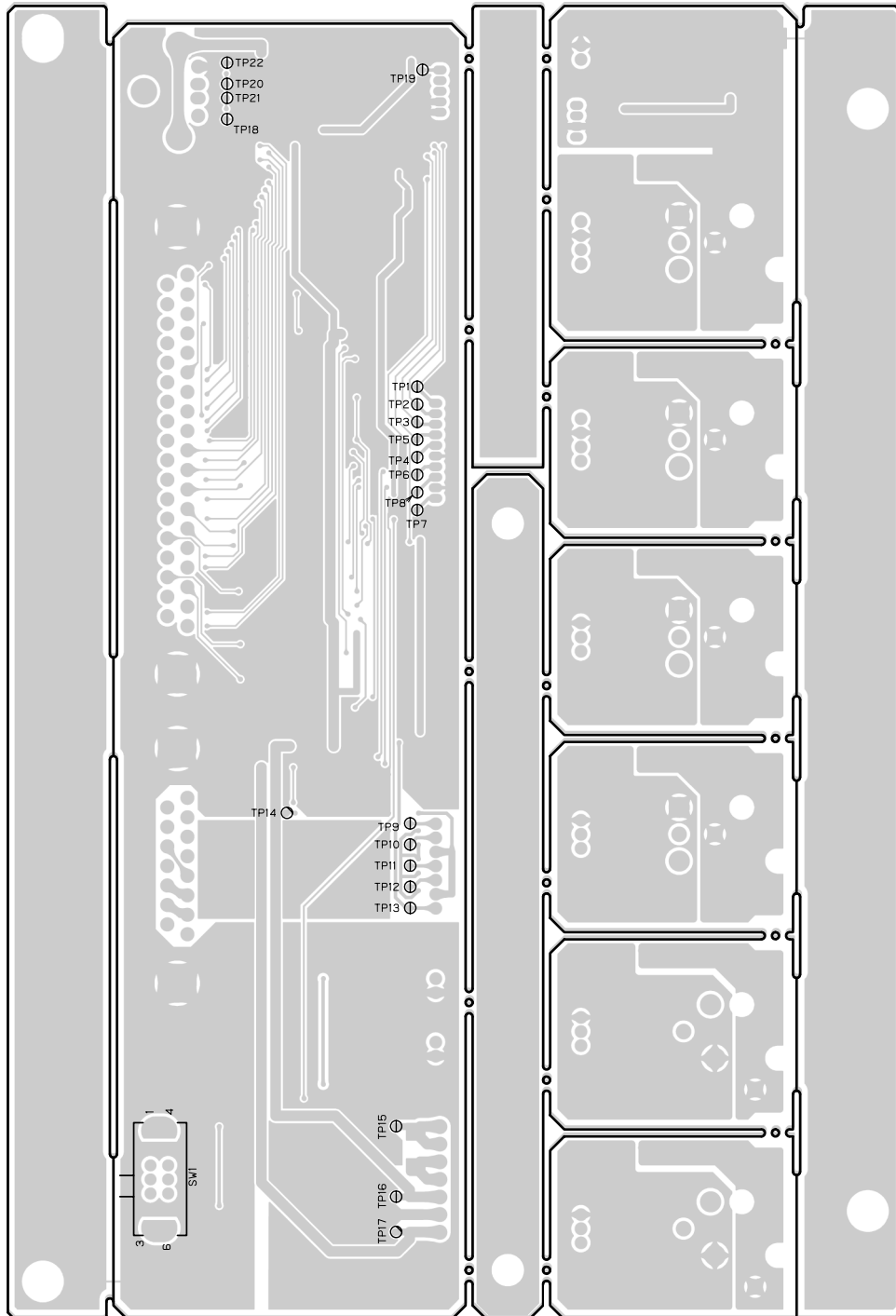
E95442500A GATHER PCBA,REAR CD9010 G –(CD-9010CF Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

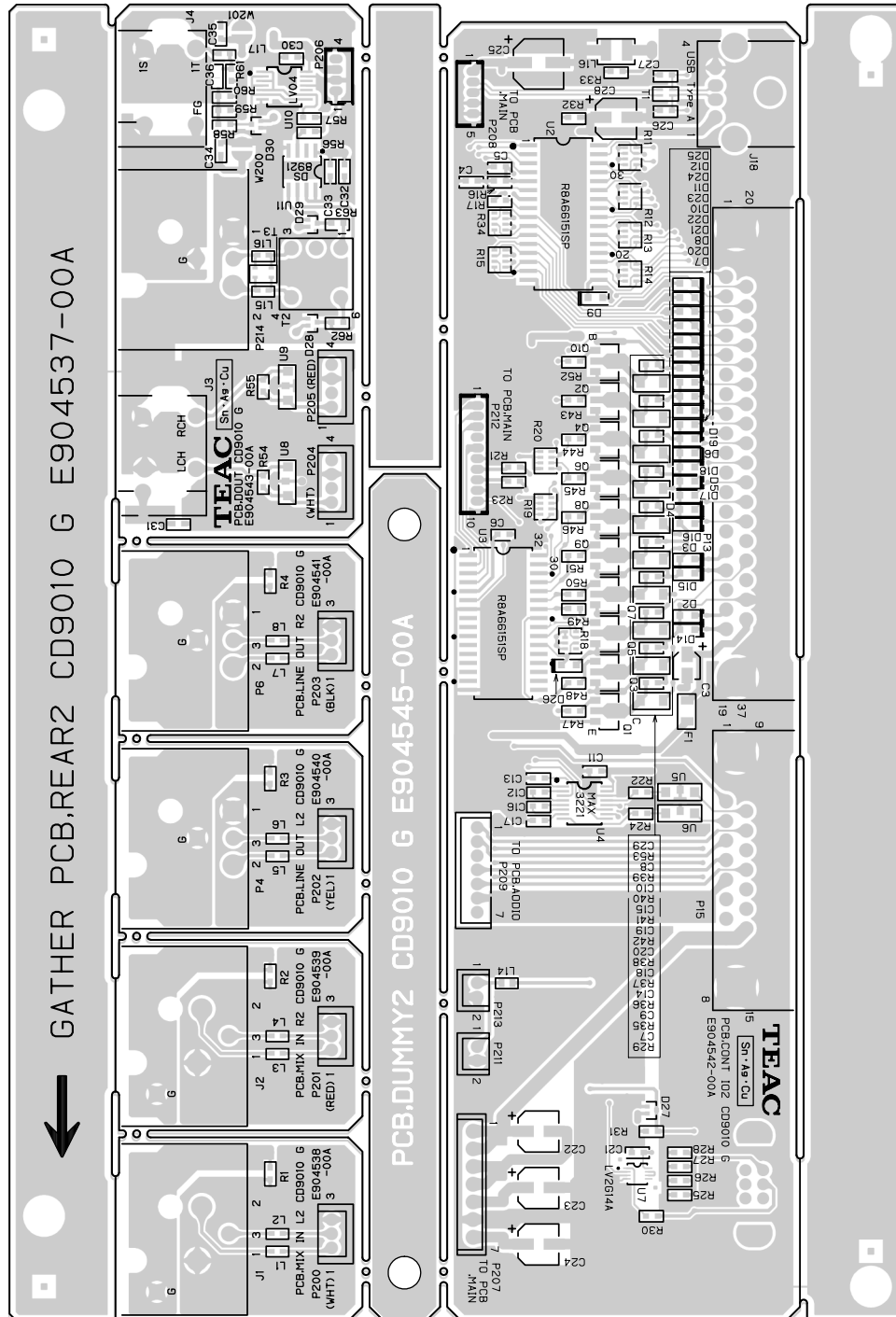
E95442500A GATHER PCBA, REAR CD9010 G (CD-9010CF Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

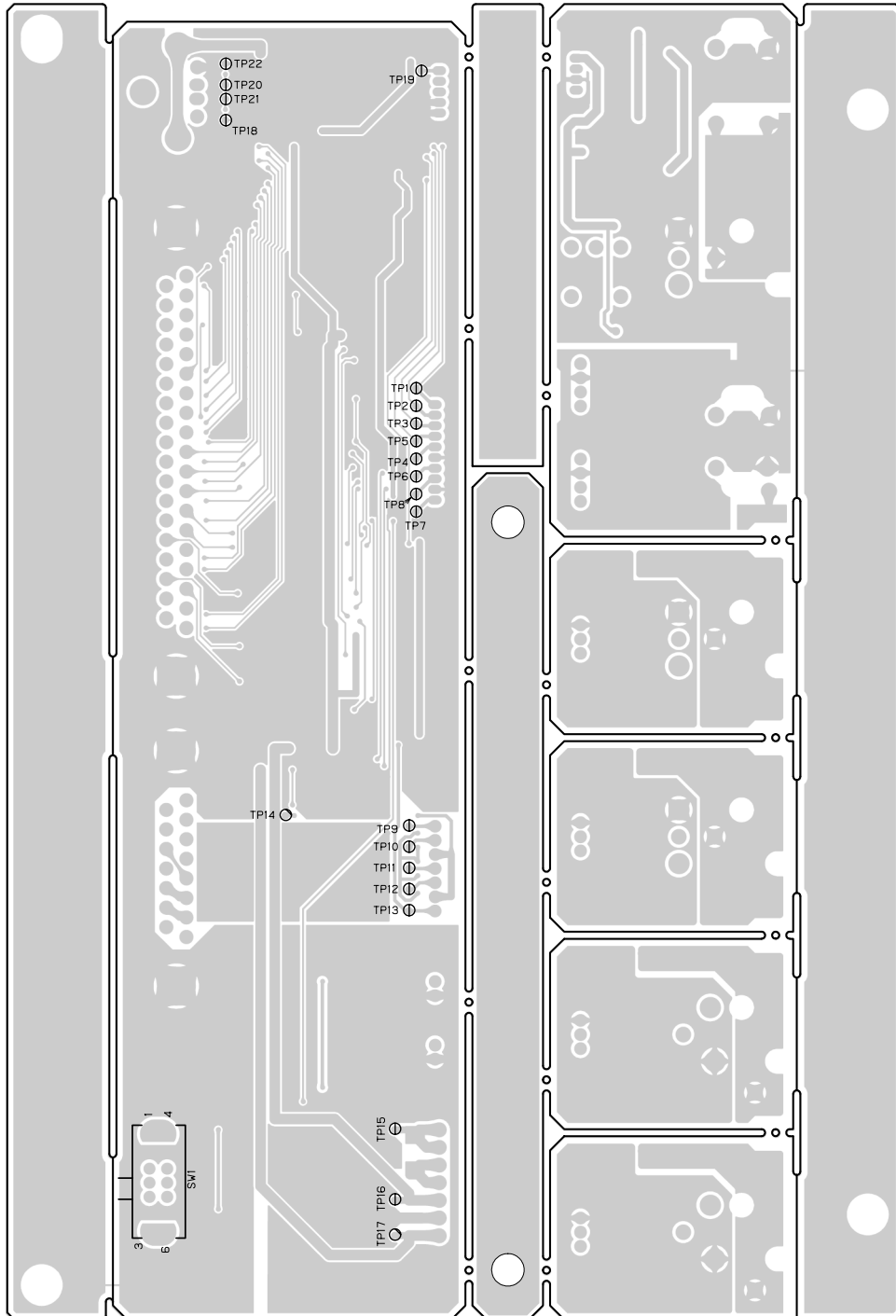
E95453700A GPCBA,REAR2 CD9010 G (CD-9010 Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

E95453700A GPCBA, REAR2 CD9010 G (CD-9010 Only)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

"()"付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

PCB ASSY,MAIN CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95439900A	PCB ASSY,MAIN CD9010 G
	E90439900B	PCB,MAIN CD9010 G
U1	S0072944	IC,BD45285G-TR G
U2	S0075173	IC,MCF5251VM140 G
U3	S0089153	IC,M12L2561616A-6T-G2K G
U4	S0084573	IC,MX29LV160DBTI-70G G
U5	S0046814	IC,SN74LV245APWR G
U6	S0046814	IC,SN74LV245APWR G
U7	S0046854	IC,SN74LV541APWR G
U8	S0046854	IC,SN74LV541APWR G
U9	S0042784	IC,NJM2870F33 GA0
U10	S0083334	IC,CS8422-CNZ G
U11	S0064734	IC,AK4114VQ G
U12	S0075164	IC,S-35390A-I8T1G G
U13	S0092984	IC,S-24CM01C G
U14	S0060084	IC,NJM78L05UA(TE1) GA0
U15	S0056844	IC,TC74VHCU04FT GSO
U16	S0068071	IC,MC74HC4046ADR2G G
U17	S0080354	IC,SN74LVC2G53DCUR G
U18	S0092994	IC,LCMXO640C-3MN100C G
U19	S0068064	IC,SN74HCT541PW G
U20	S0068071	IC,MC74HC4046ADR2G G
U21	S0042784	IC,NJM2870F33 GA0
U22	S0068071	IC,MC74HC4046ADR2G G
U23	S0056844	IC,TC74VHCU04FT GSO
U24	S0065014	IC,SN74LVC2GU04DCKR G
U25	S0042784	IC,NJM2870F33 GA0
U26	S0046854	IC,SN74LV541APWR G
U27	S0079754	IC,AIC1526-0GSTR G
U28	S0046854	IC,SN74LV541APWR G
U29	S0074554	IC,TPS2041BDBVR G
U31	S0089474	FET,CEM3178 G
U32	S0074604	IC,LM2642MTC G
U33	S0089474	FET,CEM3178 G
U34	S0094884	IC,R3111N271C-TR-FE G
U36	S0090464	IC,HD74LV1G32ACME-E G
D1	S0022094	DIODE,1S5355
D2	S0067314	DIODE,RB751V-40/TE17 G
D3	S0022094	DIODE,1S5355
D4	S0022094	DIODE,1S5355
D5	S0035214	DIODE,HVC376B-TRF-E G
D6	S0022094	DIODE,1S5355
D7	S0047674	DIODE,RB160L-60 G
D8	S0074584	DIODE,BAW56 G
D9	S0047674	DIODE,RB160L-60 G
D10	S0021344	DIODE,RB160L-40
BT1	E0143383	BATTERY,MS614SE FL28E G
L1	E0126164	BEAD COIL,BLM18PG471SN1D G
L2	E0126164	BEAD COIL,BLM18PG471SN1D G
L3	E0126164	BEAD COIL,BLM18PG471SN1D G
L4	E0085594	COIL,LQH32CN4R7M23L GAO
L5	E0126690	COIL,2.7UH K LK2125 G
L6	E0141244	COIL,CEP125NP-8R2MC G
L7	E0069824	COIL,CDRH5D28-100NC G
L8	E0141254	COIL,CEP125NP-6R0MC G
L9	E0126214	COIL,CDRH6D38-100 10UH G
L10	E0147934	COIL,CDR7D43MNNP-330NC G
L11	E0147934	COIL,CDR7D43MNNP-330NC G
L12	E0069824	COIL,CDRH5D28-100NC G
P2	E0143064	CONNECTOR,FH12-50S0.55V G

P5	E0096804	CONNECTER,28FMN-BMTTN-ATF
X1	E0143403	XTAL,LOT55A 24.0MHZ G
X2	E0178394	XTAL,SSP-T7-F 32.768K7PFG
X3	E0161413	XTAL,COC22AXT-D22.5792MG
X4	E0161393	XTAL,COC22AXT-D24.576MG
X5	E0185204	XTAL,NT2520SA-19.2M G
P1	E0123220	CONNECTOR,3675P40VUAG G
P3	E0102210	CONNECTOR,B 4B-ZR(LF)
P4	E0102220	CONNECTOR,B 5B-ZR(LF)
P6	E0119740	CONNECTOR,B 3B-PH-K-S G
P7	E0102270	CONNECTOR,B10B-ZR(LF)
P9	E0119790	CONNECTOR,B 8B-PH-K-S G
P10	E0102240	CONNECTOR,B 7B-ZR(LF)
P11	E0156820	CONNECTOR,B 5B-EHA(LF) G
P13	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P14	E0113030	CONNECTOR,B 4P-VH(LF)(SN)
P15	E0102440	CONNECTOR,B 3B-EH(LF)(SN)

PCB ASSY,PANEL CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95440000A	PCB ASSY,PANEL CD9010 G
	E90440000B	PCB,PANEL CD9010 G
U600	S0092503	IC,R5F56104VNFP G
U601	S0072944	IC,BD45285G-TR G
U602	S0071034	IC,BR24L04FV-WE2 G
U603	S0046854	IC,SN74LV541APWR G
U604	S0081734	IC,BA4580RF-E2 G
U605	S0086563	IC,LCMXO256C-3M100 G
U606	S0037164	IC,TC74VHCT541AFT(EL) G
U608	S0046854	IC,SN74LV541APWR G
U609	S0065394	IC,SN74LV595APWR G
U610	S0065394	IC,SN74LV595APWR G
U613	S0046854	IC,SN74LV541APWR G
U614	S0077194	IC,SN74AHCT1G02DCKR G
Q601	S0094504	TRANSISTOR,2SC2412K TP G
Q602	S0094504	TRANSISTOR,2SC2412K TP G
Q603	S0094504	TRANSISTOR,2SC2412K TP G
D601	S0081414	DIODE,DAN217W G
L600	E0069824	COIL,CDRH5D28-100NC G
L601	E0126164	BEAD COIL,BLM18PG471SN1D G
L602	E0154434	COIL,22UF K LQH43 G
P626	E0102414	CONN,B12B-ZR-SM4(LF)(SN)
P630	E0101954	CONNECTOR,B6B-PH-SM4(LF) G
X600	E0149904	CRYSTAL OSC,SEG55 12MHZ
P601	E0126550	SHORT PLUG,2.54MM6.00PENG
P602	E0119790	CONNECTOR,B 8B-PH-K-S G
P607	E0119800	CONNECTOR,B 9B-PH-K-S G
P608	E0119780	CONNECTOR,B 7B-PH-K-S G
P612	E0102240	CONNECTOR,B 7B-ZR(LF)
P614	E0102230	CONNECTOR,B 6B-ZR(LF) G
P616	E0102270	CONNECTOR,B10B-ZR(LF)
P617	E0102250	CONNECTOR,B 8B-ZR(LF) G
P625	E0102260	CONNECTOR,B 9B-ZR(LF) G
P633	E0126700	CONNECTOR,22115-02T-F1 G
P601	E0126700	CONNECTOR,22115-02T-F1 G
P633	E0126550	SHORT PLUG,2.54MM6.00PENG

CAUTION

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注意

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GATHER PCB,AUDIO CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
	E95440100A	PCB ASSY,AUDIO CD9010 G
	E90440100B	PCB,AUDIO CD9010 G
U100	S0046854	IC,SN74LV541APWR G
U101	S0067114	IC,SN74LVC1G08DBVR G
U102	S0082474	IC,TPS5430DDAR G
U103	S0092184	IC,TPS73801DCQR G
U104	S0067634	IC,LIN NJM5532M G
U105	S0068654	IC,NJM2114M-TE3 G
U106	S0067634	IC,LIN NJM5532M G
U107	S0080274	IC,NJW1195V G
U108	S0076744	IC,PCM1796DBR G
U109	S0068654	IC,NJM2114M-TE3 G
U111	S0060084	IC,NJM78L05UA(TE1) GAO
U112	S0068654	IC,NJM2114M-TE3 G
U113	S0067634	IC,LIN NJM5532M G
U114	S0076744	IC,PCM1796DBR G
U115	S0080274	IC,NJW1195V G
U116	S0068654	IC,NJM2114M-TE3 G
U117	S0092184	IC,TPS73801DCQR G
U118	S0092194	IC,LM337IMP G
U119	S0067634	IC,LIN NJM5532M G
U120	S0067634	IC,LIN NJM5532M G
U121	S0067634	IC,LIN NJM5532M G
U122	S0067634	IC,LIN NJM5532M G
U123	S0067634	IC,LIN NJM5532M G
U124	S0067634	IC,LIN NJM5532M G
Q106	S0086774	FET,RRH075P03 G
Q107	S0065074	TRANSISTOR,DTC124EUA TP G
Q108	S0065074	TRANSISTOR,DTC124EUA TP G
Q109	S0065074	TRANSISTOR,DTC124EUA TP G
Q110	S0029814	TRANSISTOR,DTC123EUA G
Q111	S0029814	TRANSISTOR,DTC123EUA G
Q112	S0029814	TRANSISTOR,DTC123EUA G
Q113	S0029814	TRANSISTOR,DTC123EUA G
Q114	S0029814	TRANSISTOR,DTC123EUA G
Q115	S0029814	TRANSISTOR,DTC123EUA G
D100	S0022094	DIODE,1SS355
D102	S0021344	DIODE,RB160L-40
D103	S0088214	DIODE,RB060M-30 G
D104	S0022094	DIODE,1SS355
D105	S0022094	DIODE,1SS355
D106	S0022094	DIODE,1SS355
D107	S0023224	DIODE,DAN217 T146 G
D108	S0023224	DIODE,DAN217 T146 G
D109	S0088214	DIODE,RB060M-30 G
D110	S0088214	DIODE,RB060M-30 G
D111	S0022094	DIODE,1SS355
D113	S0023224	DIODE,DAN217 T146 G
D114	S0022094	DIODE,1SS355
D115	S0023224	DIODE,DAN217 T146 G
D116	S0023224	DIODE,DAN217 T146 G
D117	S0022094	DIODE,1SS355
D118	S0023224	DIODE,DAN217 T146 G
D119	S0023224	DIODE,DAN217 T146 G
D120	S0022094	DIODE,1SS355
D121	S0023224	DIODE,DAN217 T146 G
D122	S0023224	DIODE,DAN217 T146 G
D123	S0022094	DIODE,1SS355
D124	S0023224	DIODE,DAN217 T146 G
D125	S0022094	DIODE,1SS355

D126	S0023224	DIODE,DAN217 T146 G
D127	S0023224	DIODE,DAN217 T146 G
D128	S0022094	DIODE,1SS355
D129	S0022094	DIODE,1SS355
D130	S0023224	DIODE,DAN217 T146 G
D131	S0023224	DIODE,DAN217 T146 G
D132	S0023224	DIODE,DAN217 T146 G
D133	S0023224	DIODE,DAN217 T146 G
D134	S0023224	DIODE,DAN217 T146 G
L100	E0101174	COIL,LQH43CN100K03L G
L101	E0172934	COIL,CDRH8D38NP-101NC G
L102	E0172934	COIL,CDRH8D38NP-101NC G
L103	E0101174	COIL,LQH43CN100K03L G
L104	E0101174	COIL,LQH43CN100K03L G
L105	E0125774	COIL,10UHLQH32MN100K23L G
L106	E0125774	COIL,10UHLQH32MN100K23L G
P100	E0096804	CONNECTER,28FMM-BMTTN-ATF
K100	E0173620	RELAY,12V ATXS203 G
K101	E0173620	RELAY,12V ATXS203 G
K102	E0173620	RELAY,12V ATXS203 G
K103	E0173620	RELAY,12V ATXS203 G
K104	E0173620	RELAY,12V ATXS203 G
K105	E0173620	RELAY,12V ATXS203 G
P101	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
P102	E0119630	CONNECTOR,B 7B-PH-K G
P103	E0119770	CONNECTOR,B 6B-PH-K-S G
P104	E0119930	CONNECTOR,B 7B-PH-K-R G
P105	E0119920	CONNECTOR,B 6B-PH-K-R G
P106	E0102250	CONNECTOR,B 8B-ZR(LF) G
P107	E0102440	CONNECTOR,B 3B-EH(LF)(SN)

GATHER PCB,FRONT CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		PCB,FRONT KEY A
	E95440200A	PCB ASSY,F-KEY A CD9010 G
	E90440200B	PCB,FRONT KEY A CD9010 G
Q1	S0029814	TRANSISTOR,DTC123EUA G
Q2	S0022044	TRANSISTOR,DTC114EUA-T106
Q3	S0029814	TRANSISTOR,DTC123EUA G
Q4	S0022044	TRANSISTOR,DTC114EUA-T106
D1	S0084624	LED,SML-D12M8WT86M G
D2	S0084614	LED,SML-D12D8WT86Q G
D3	S0084624	LED,SML-D12M8WT86M G
D4	S0084634	LED,SML-D12V8WT86N G
D12	S0022094	DIODE,1SS355
D13	S0022094	DIODE,1SS355
D51	S0084624	LED,SML-D12M8WT86M G
D52	S0084624	LED,SML-D12M8WT86M G
D53	S0084614	LED,SML-D12D8WT86Q G
D54	S0084614	LED,SML-D12D8WT86Q G
D55	S0084624	LED,SML-D12M8WT86M G
D56	S0084624	LED,SML-D12M8WT86M G
D57	S0084634	LED,SML-D12V8WT86N G
D58	S0084634	LED,SML-D12V8WT86N G
P300	E0102384	CONN,B 9B-ZR-SM4(LF)(SN) G
S1	E0179950	SW,NP01-15AP4NN G
S2	E0179950	SW,NP01-15AP4NN G

CAUTION

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GATHER PCB,FRONT CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,FRONT KEY B</i>
	E95440300A	PCB ASSY,F-KEY B CD9010 G
	E90440300B	PCB,FRONT KEY B CD9010 G
Q5	S0029814	TRANSISTOR,DTC123EUA G
Q6	S0029814	TRANSISTOR,DTC123EUA G
Q7	S0029814	TRANSISTOR,DTC123EUA G
Q8	S0029814	TRANSISTOR,DTC123EUA G
Q9	S0022044	TRANSISTOR,DTC114EUA-T106
D18	S0022094	DIODE,1SS355
D19	S0022094	DIODE,1SS355
D20	S0022094	DIODE,1SS355
D21	S0022094	DIODE,1SS355
D25	S0022094	DIODE,1SS355
D26	S0022094	DIODE,1SS355
D27	S0022094	DIODE,1SS355
D30	S0022094	DIODE,1SS355
D31	S0022094	DIODE,1SS355
D35	S0022094	DIODE,1SS355
D37	S0022094	DIODE,1SS355
D38	S0022094	DIODE,1SS355
D39	S0022094	DIODE,1SS355
D40	S0022094	DIODE,1SS355
D41	S0022094	DIODE,1SS355
P301	E0102394	CONNECTOR,B10B-ZR-SM4(LF)
P302	E0102374	CONNECTOR,B 8B-ZR-SM4(LF)
P303	E0102354	CONN,B 6B-ZR-SM4(LF)(SN)
P304	E0102334	CONN,B 4B-ZR-SM4(LF)(SN) G
D36	S0092330	LED,L-7104ND ORG G
D36	M02855200A	SPACER,LEDS-5.5 G
S3	E0179960	SW,NP01-15AP4LY G
S4	E0179970	SW,NP01-15AP4LM G
S5	E0179960	SW,NP01-15AP4LY G
S6	E0179960	SW,NP01-15AP4LY G
S7	E0125781	SW,TACT SKHHDAA010 G
S8	E0125781	SW,TACT SKHHDAA010 G
S9	E0125781	SW,TACT SKHHDAA010 G
S10	E0125781	SW,TACT SKHHDAA010 G
S11	E0125781	SW,TACT SKHHDAA010 G
S12	E0162590	ENCDR,EC11E18244AX G
S13	E0167090	SW,B3F-4050 G
S14	E0167090	SW,B3F-4050 G
S15	E0167090	SW,B3F-4050 G
S16	E0167090	SW,B3F-4050 G
S17	E0167090	SW,B3F-4050 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,VOL</i>
	E95440500A	PCB ASSY,VOL CD9010 G
	E90440500B	PCB,VOL CD9010 G
R71	R0229440	VAR RES,XVB93GM1 10KA*2 G
P309	E0119770	CONNECTOR,B 6B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,PHONES</i>
	E95440600A	PCB ASSY,PHONES CD9010 G
	E90440600B	PCB,PHONES CD9010 G
U1	S0081734	IC,BA4580RF-E2 G
U2	S0081734	IC,BA4580RF-E2 G
Q11	S0029814	TRANSISTOR,DTC123EUA G
D48	S0081414	DIODE,DAN217W G
D49	S0022094	DIODE,1SS355
D50	S0081414	DIODE,DAN217W G
L2	E0174064	BEAD COIL,MMZ2012Y102BT G
L3	E0174064	BEAD COIL,MMZ2012Y102BT G
J1	E0122600	JACK,065M WITH EARTH G
K1	E0173620	RELAY,12V ATXS203 G
P307	E0102250	CONNECTOR,B 8B-ZR(LF) G
P308	E0119770	CONNECTOR,B 6B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>CD-9010CF_ONLY</i>
	E95440400A	PCB ASSY,SLOT CD9010 G
	E90440400B	PCB,SLOT CD9010 G
Q10	S0022044	TRANSISTOR,DTC114EUA-T106
L1	E0154434	COIL,22UF K LQH43 G
P306	E0143054	CONNECTOR,FH12-50S0.5SH G
P7	E0076123	CONNECTOR,ICMMA2HSS52N11B
D47	S0092330	LED,L-7104ND ORG G
D47	M02447400A	LED SPACER,LEKH-4.5 G
P7	E0096300	CONNECTOR,ICM-MAE-R32
P305	E0113690	CONNECTOR,S 3B-PH-K-S G

CAUTION

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GATHER PCB,POWER CD9010 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,POWER</i>
	E95440700A	PCB ASSY,POWER CD9010 G
	E90440700B	PCB,POWER CD9010 G
D10	S0083901	ZENER DIO,MT6J5.6B T-77G
R4	R0171331	RN,METAL1/8W620 OHMFTPG
R5	R0171221	RN,METAL 1/8W 220 OHMFTPG
R6	R0154521	RD,1/8W 4.7 OHMJ26MM G
R7	R0155091	RD,1/8W 1.5K OHM J 26MMG
R8	R0171601	RN,METAL1/8W8.2KOHMFTPG
R9	R0155291	RD,1/8W 10K OHMJ26MMG
R11	R0171461	RN,METAL 1/8W 2.2K OHMFTPG
R13	R0155641	RD,1/8W 330K OHMJ26MMG
R24	R0155641	RD,1/8W 330K OHMJ26MMG
U3	S0073400	IC,TL431CLPR G
C1	C0061832	CQ,100V0.10UFJMYLARTPG
C14	C0061672	CQ,100V0.022UFJMYLARTPG
C15	C0061592	CQ,100V0.010UFJMYLARTPG
U1	S0084420	IC,STR-W6252D G
U1	M03072200A	HEAT SINK,16.5*15.5*25 G
U1	B00174008A	SCREW,BPA 3*8 FZC G
U2	S0067070	PHOTO COUPLER,PC123X2YFXG
D1	R0208310	VARISTOR,ERZV14D471 ERZ G
D2	S0073370	DIODE,EM01A G
D3	S0073370	DIODE,EM01A G
D4	S0073370	DIODE,EM01A G
D5	S0073370	DIODE,EM01A G
D6	S0069140	DIODE,FR 0.7A1000V RG-1CG
D7	S0092200	DIODE,RFN10T2D G
D7	3M0084020B	HEAT SINK 45MM G
D7	B00199408A	SCREW,BPB 3*8 FZC G
D9	S0073460	DIODE,UFAST 200V AL01Z G
R2	R0176820	POWER THERMISTOR,16D-13 G
R3	R0185651	RN,METEL1W330K OHM F TP G
R10	R0205091	RN,METEL1/2W0.5 OHM JTP G
R12	R0172431	RN,METALOXIDE2W100 OHMJG
R21	R0231020	RD,1W 1M OHM J G
C2	C0042162	CQ,630V 0.01UF K
C3	C0032860	CC, 250V 2200PF M
C4	C0032860	CC, 250V 2200PF M
C5	C0085160	CE,25V 3300UF M FK G
C7	C0085150	CE,25V 2200UF M FK G
C9	C0059860	CQ,0.22UFAC 250VG
C10	C0076090	CQ,0.1UFAC 275V-G
C11	C0076090	CQ,0.1UFAC 275V-G
C12	C0032860	CC, 250V 2200PF M
C16	C0085350	CE,63V47UF M RJ3 G
C17	C0040510	CC,E 250V 2200PF M KX G
C17	M0338710	COVER,C HU-14 G
C18	C0085370	CC,2KV 47PF J DEA G
C22	C0095590	CE,400V 220UF M G (LGU2G)
F1	E0184820	FUSE,250V 1.6A 21501.6P G
F1	E0126350	HOLDER,FUSE HOLDER 5.0 G
FG1	E0123470	TERMINAL,GND-8 G
FG2	E0123470	TERMINAL,GND-8 G
L1	E0130740	COIL,10UH 3.6A DR2W8*7 G
L3	E0127050	COIL,2.2MH 1.3A LF2020G
P001	E0112450	CONNECTOR,B2P3VH(LF)(SN) G
P002	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
P003	E0102450	CONNECTOR,B4B-EH(LF)(SN)G
T3	E01678700A	TRANS,SW AS-2822 HS8 G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,PSW</i>
	E95440800A	PCB ASSY,PSW CD9010 G
	E90440800A	PCB,PSW CD9010 G
C23	E0122630	SPK KILLER,CS12-F2GA472MYAS G
C23	M0338700	COVER,C HU-10 CAP G
P004	E0111890	CONN,B2P3S-VH(LF)(SN)
S1	E0176680	SW,SY162-52-2/T G

**GATHER PCB,REAR CD9010 G
(CD-9010CF_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>CPCB,MIX IN L</i>
	E95448800A	PCB ASSY,MIX IN L CD9010G
	E90448800A	PCB,MIX IN L CD9010 G
J1	E0185180	JACK,NC3FBH2 NEW G
P200	E0119740	CONNECTOR,B 3B-PH-K-S G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MIX IN R</i>
	E95448900A	PCB ASSY,MIX IN R CD9010G
	E90448900A	PCB,MIX IN R CD9010 G
J2	E0185180	JACK,NC3FBH2 NEW G
P201	E0119890	CONNECTOR,B 3B-PH-K-R G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,LINE OUT L</i>
	E95449000A	PCBA,LINE OUT L CD9010G
	E90449000A	PCB,LINE OUT L CD9010 G
P202	E0120040	CONNECTOR,B 3B-PH-K-Y G
P4	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,LINE OUT R</i>
	E95449100A	PCBA,LINE OUT R CD9010G
	E90449100A	PCB,LINE OUT R CD9010 G
P203	E0120190	CONNECTOR,B 3B-PH-K-K G
P6	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MONITOR L</i>
	E95449200A	PCBA,MONITOR L CD9010G
	E90449200A	PCB,MONITOR L CD9010G
P204	E0119750	CONNECTOR,B 4B-PH-K-S G
P9	E0185190	PLUG,NC3MBH NEW G

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MONITOR R</i>
	E95449300A	PCBA,MONITOR R CD9010G
	E90449300B	PCB,MONITOR R CD9010 G
U1	S0037894	IC,SN74LV04APWR G
D1	S0081414	DIODE,DAN217W G
L9	E0127034	BEAD COIL,BK1608 HM121 G
L12	R0157394	RD,1/10W 0 OHM J0603G
L13	R0157394	RD,1/10W 0 OHM J0603G
P11	E0185190	PLUG,NC3MBH NEW G
P205	E0119900	CONNECTOR,B 4B-PH-K-R G
P206	E0102210	CONNECTOR,B 4B-ZR(LF)
P210	E0119730	CONNECTOR,B 2B-PH-K-S G

CAUTION

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**GATHER PCB,REAR CD9010 G
(CD-9010CF_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,CONT IO</i>
	E95441000A	PCB ASSY,CONT IO CD9010 G
	E90441000B	PCB,CONT IO CD9010 G
U2	S0075114	IC,R8A66151SP G
U3	S0075114	IC,R8A66151SP G
U4	S0063924	IC,MAX3221CPWR G
U5	E0130200	FILTER,EXCCET470U G
U6	E0130200	FILTER,EXCCET470U G
U7	S0087994	IC,HD74LV2G14AUSE
Q1	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q2	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q3	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q4	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q5	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q6	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q7	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q8	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q9	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q10	S0094684	TR,2SC2873-Y(TE12L,ZC) G
D2	S0022094	DIODE,1SS355
D3	S0022094	DIODE,1SS355
D4	S0022094	DIODE,1SS355
D5	S0022094	DIODE,1SS355
D6	S0022094	DIODE,1SS355
D7	S0022094	DIODE,1SS355
D8	S0022094	DIODE,1SS355
D9	S0022094	DIODE,1SS355
D10	S0022094	DIODE,1SS355
D11	S0022094	DIODE,1SS355
D12	S0022094	DIODE,1SS355
D14	S0022094	DIODE,1SS355
D15	S0022094	DIODE,1SS355
D16	S0022094	DIODE,1SS355
D17	S0022094	DIODE,1SS355
D18	S0022094	DIODE,1SS355
D19	S0022094	DIODE,1SS355
D20	S0022094	DIODE,1SS355
D21	S0022094	DIODE,1SS355
D22	S0022094	DIODE,1SS355
D23	S0022094	DIODE,1SS355
D24	S0022094	DIODE,1SS355
D25	S0022094	DIODE,1SS355
D26	S0022094	DIODE,1SS355
D27	S0081414	DIODE,DAN217W G
F1	E0153504	FUSE,NANOSMDC035F G
L14	E0126164	BEAD COIL,BLM18PG471SN1D G
T1	E0166304	FILTER,NT2012 985BH1007 G
J18	E0141212	CONNECTOR,UBA-4R-D14T-4D G
P212	E0102270	CONNECTOR,B10B-ZR(LF)
P13	E0179980	CONN,5504F1-375-02-03 G
P209	E0119780	CONNECTOR,B 7B-PH-K-S G
P15	E0172900	D-SUB,5504F1-15S-02-03
P207	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P208	E0102220	CONNECTOR,B 5B-ZR(LF)
P211	E0119730	CONNECTOR,B 2B-PH-K-S G
P213	E0119730	CONNECTOR,B 2B-PH-K-S G
SW1	E0134750	SW,SLIDE SSSF121900 G

**GATHER PCB,REAR2 CD9010 G
(CD-9010_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		<i>PCB,MIX IN L2</i>
	E95453800A	PCBA,MIX IN L2 CD9010G
	E90453800A	PCB,MIX IN L2 CD9010G
J1	E0185180	JACK,NC3FBH2 NEW G
P200	E0119740	CONNECTOR,B 3B-PH-K-S G
		<i>PCB,MIX IN R2</i>
	E95453900A	PCBA,MIX IN R2 CD9010G
	E90453900A	PCB,MIX IN R2 CD9010G
J2	E0185180	JACK,NC3FBH2 NEW G
P201	E0119890	CONNECTOR,B 3B-PH-K-R G
		<i>PCB,LINE OUT L2</i>
	E95454000A	PCBA,LINE OUT L2 CD9010G
	E90454000A	PCB,LINE OUT L2 CD9010G
P202	E0120040	CONNECTOR,B 3B-PH-K-Y G
P4	E0185190	PLUG,NC3MBH NEW G
		<i>PCB,LINE OUT R2</i>
	E95454100A	PCBA,LINE OUT R2 CD9010G
	E90454100A	PCB,LINE OUT R2 CD9010G
P203	E0120190	CONNECTOR,B 3B-PH-K-K G
P6	E0185190	PLUG,NC3MBH NEW G
		<i>PCB,DOUT</i>
	E95454300A	PCB ASSY,DOUT CD9010 G
	E90454300A	PCB,DOUT CD9010 G
U10	S0037894	IC,SN74LV04APWR G
U11	S0086764	IC,DS8921M/NOPB G
D28	S0081414	DIODE,DAN217W G
D29	S0081414	DIODE,DAN217W G
D30	S0081414	DIODE,DAN217W G
L17	E0127034	BEAD COIL,BK1608 HM121 G
T3	E0168384	FLTR,ACM2520-102-2P-T G
T2	E01651100A	TRANS,PULSE 400UH G
J3	E0183250	JACK,LPR6520-E510F G
J4	E0156810	JACK,YKC 21-3486N G
P214	E0185190	PLUG,NC3MBH NEW G
P204	E0119750	CONNECTOR,B 4B-PH-K-S G
P205	E0119900	CONNECTOR,B 4B-PH-K-R G
P206	E0102210	CONNECTOR,B 4B-ZR(LF)

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

"()"付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

**GATHER PCB,REAR2 CD9010 G
(CD-9010_ONLY)**

REF.NO.	PARTS NO.	DESCRIPTION .
		PCB,CONT IO
	E95454200A	PCBA,CONT IO2 CD9010 G
	E90454200A	PCB,CONT IO2 CD9010 G
U2	S0075114	IC,R8A66151SP G
U3	S0075114	IC,R8A66151SP G
U4	S0063924	IC,MAX3221CPWR G
U5	E0130200	FILTER,EXCCET470U G
U6	E0130200	FILTER,EXCCET470U G
U7	S0087994	IC,HD74LV2G14AUSE
Q1	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q2	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q3	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q4	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q5	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q6	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q7	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q8	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q9	S0094684	TR,2SC2873-Y(TE12L,ZC) G
Q10	S0094684	TR,2SC2873-Y(TE12L,ZC) G
D2	S0022094	DIODE,1SS355
D3	S0022094	DIODE,1SS355
D4	S0022094	DIODE,1SS355
D5	S0022094	DIODE,1SS355
D6	S0022094	DIODE,1SS355
D7	S0022094	DIODE,1SS355
D8	S0022094	DIODE,1SS355
D9	S0022094	DIODE,1SS355
D10	S0022094	DIODE,1SS355
D11	S0022094	DIODE,1SS355
D12	S0022094	DIODE,1SS355
D14	S0022094	DIODE,1SS355
D15	S0022094	DIODE,1SS355
D16	S0022094	DIODE,1SS355
D17	S0022094	DIODE,1SS355
D18	S0022094	DIODE,1SS355
D19	S0022094	DIODE,1SS355
D20	S0022094	DIODE,1SS355
D21	S0022094	DIODE,1SS355
D22	S0022094	DIODE,1SS355
D23	S0022094	DIODE,1SS355
D24	S0022094	DIODE,1SS355
D25	S0022094	DIODE,1SS355
D26	S0022094	DIODE,1SS355
D27	S0081414	DIODE,DAN217W G
F1	E0153504	FUSE,NANOSMDC035F G
L14	E0126164	BEAD COIL,BLM18PG471SN1D G
P212	E0102270	CONNECTOR,B10B-ZR(LF)
P13	E0179980	CONN,5504F1-37S-02-03 G
P209	E0119780	CONNECTOR,B 7B-PH-K-S G
P15	E0172900	D-SUB,5504F1-15S-02-03
P207	E0102480	CONNECTOR,B 7B-EH(LF)(SN)
P211	E0119730	CONNECTOR,B 2B-PH-K-S G
P213	E0119730	CONNECTOR,B 2B-PH-K-S G
SW1	E0134750	SW,SLIDE SSSF121900 G

Included Accessories

付属品

Included Accessories

REF.NO.	PARTS NO.	DESCRIPTION .		REMARKS
	3E014160	POWER CORD,EUR-GP	[E]	⚠
	E0178290	POWER CORD,KOR C13 1.8M G	[K]	⚠
	3E014150	POWER CORD,UL-G	[E]	⚠
	3E014180	POWER CORD,AUS	[A]	⚠
	3E039940	POWER CORD,TM G	[T]	⚠
	3E014170	POWER CORD,UK	[UK]	⚠
	E0168660	AC PLUG,WS-037-A PSE G		
	D01131400B	WARR CARD,TASCAM ALL G		
	D00729600E	WARRANTY CARD(JPN)		
	3M0013300A	ENVELOPE,(WARR CARD) G		
	D01164301C	OWNERS MNL,J CD9010CF G		
	D01164320A	OWNERS MNL,E CD9010CF G		
	D01164381A	OWNERS MNL,F CD9010CF G		
	D01164382A	OWNERS MNL,I CD9010CF G		
	D01164383A	OWNERS MNL,S CD9010CF G		
	M03420600A	DOOR SCREW ASSY,CD91C G		CD-9010CF Only

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
 [J] : JAPAN [US/C] : U.S.A./CANADA [K] : KOREA
 [E] : EUROPE [UK] : U.K. [JEX] : JAPAN & ASIA
 [A] : AUSTRALIA [T] : TAIWAN
 [CH] : CHINA [ETC] : U.S.A./CANADA/South America

注意

- プリント基板図は部品面を示しています。
- *印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠ 印は安全重要部品です。交換する時は必ず指定の部品を使用してください。
- 仕向先
 [J] : JAPAN [US/C] : U.S.A./CANADA [K] : KOREA
 [E] : EUROPE [UK] : U.K. [JEX] : JAPAN & ASIA
 [A] : AUSTRALIA [T] : TAIWAN
 [CH] : CHINA [ETC] : U.S.A./CANADA/South America



TECHNICAL INFORMATION

TASCAM CD-9010/CD-9010CF, Precaution when integration time for Drive is cleared.

No. 1607

DATE 30th Jun. 2016

Target model

CD-9010 / CD-9010CF.

Outline

When CD drive is replaced, "EEPROM CHECK" -> "CLEAR TIME" in test mode is executed and integration time of drive is cleared.

However, we found that if main firmware (Ver 1.00-1.03) of old version has been applied, the integration time is cleared not only for DRIVE, but also for MAIN.

(* This has been improved on firmware Ver.1.10 or later.)

It is possible to check operation time in information of normal MENU.

In that time, if also integration time of MAIN becomes 0H, there is a possibility of having some doubt from customer, so please support by the following contents.

Note:

There are 2 of firmware of Main and Panel for unit side (CD-9010/9010CF), and there is a Panel firmware (RC Unit) for remote control side which there is high possibility of using with connecting to unit.

These 3 firmware has to be the same, so what Main firmware is not able to be changed simply to the latest firmware is expected.

Countermeasure

If replacement of CD drive is needed in repair, Main firmware is updated to the latest (Ver.1.13) once after replacing the drive, and integration time of drive is cleared.

And firmware is returned to original MAIN firmware after that, and clearing the integration time is avoided.

Work procedure

1. In advance, check Main and Panel firmware of the unit (RC Unit firmware in case of connecting remote controller) on "6.INFORMATION" -> "2.SYSTEM INFO" in menu.

-> If Main firmware is Ver 1.00-1.03, proceed to 2.

If it is Ver 1.10 or later, the following work is no need.

```

MENU
-- SYSTEM INFORMATION --
Main Unit :Ver 1.01 Build 0039 PLD v09
Panel Unit:Ver 1.01 Build 0045 PLD v01
Drive Unit:Ver W.0E
RC Unit   :Ver 1.01 Build 0045 PLD v01
Work Time :Main 55h   Drv 55h   RC 196h
  
```

* It is checked later, so we recommend to paste the unit with post-it and so on with writing the current firmware to it.

2. Replace CD drive.

**TECHNICAL INFORMATION****TASCAM CD-9010/CD-9010CF, Precaution when integration time for Drive is cleared.**

No. 1607

DATE 30th Jun. 2016

3. Prepare update Disc of "The latest firmware version" and "The firmware version before update".

For example, if it is Ver1.13, write "CD-9010.113" file to root folder of CD-R.

* Please download the firmware file for update from SVHP.

4. Turn on the power of unit with pressing the STOP button and the MONITOR button of unit at the same time.
(Update mode starts up.)
5. Select "system update", and update the firmware to the latest by using update disc.
After completing the update, eject the disc, then turn off the power of unit.
6. Turn on the power of unit with pressing the "TIME DISPLAY" and the "HOME" and the "BROWSE" key of unit.
(Test mode starts up.)
7. Clear the DRIVE integration time by executing "EEPROM CHECK" -> "CLEAR TIME", then turn off the power of unit.
8. Turn on the power of unit. And check that only DRIVE integration time is cleared to 0H on "6.INFORMATION" -> "2.SYSTEM INFO".
Turn off the power after check.
9. Repeat section 4-5 again, and return the firmware to original version.
10. As final check, check the following contents on "6.INFORMATION" -> "2.SYSTEM INFO".
 - 1) The firmware version of Main Unit, Panel Unit, (RC Unit in case of connecting remote controller) are the same version as the received time. (It is no problem even if Buid and PLD is different.)
 - 2) Only DRIVE integration time is "0H".After checking these 2 point, procedure is finished.



TECHNICAL INFORMATION

TASCAM CD-9010/9010CF, Drive FW update

No. 1705

DATE 10th May. 2017

Target model

CD-9010 / CD-9010CF

Failure content

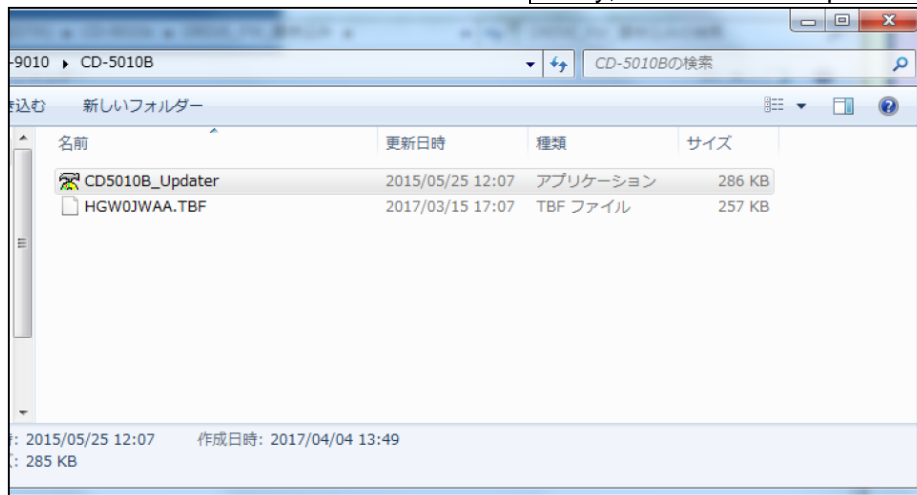
On DRIVE(1977237061 CD-5010B-061) which is used in CD-9010 Series/CD-6010, offset position in TOC reading had been adjusted to mistaken position by relation of DISC thickness and height position of Pickup, so Drive FW will be updated to W.0JWAA for improvement.

Countermeasure

Pickup search height during Offset adjustment will be changed from 0.6mm to 0.85mm by changing Drive FW from W.0HWAA to W.0JWAA. (W.0HWAA -> W.0JWAA)

1. Prepare CD5010B Updater and FW(W.0JWAA) with placing them to the same folder of PC.

*Sorry, screenshot is Japanese.



2. Connect PATA->USB conversion cable to the update target drive.

* In this case, please connect Drive power cable as-is.





TECHNICAL INFORMATION

TASCAM CD-9010/9010CF, Drive FW update

No. 1705

DATE 10th May, 2017

- Turn on the power of Drive, and connect USB to PC. (Power is ON of connected CD-9010)
 * There are some cases that the drive is not recognised if USB is not connected to PC after turning on the power of the drive.

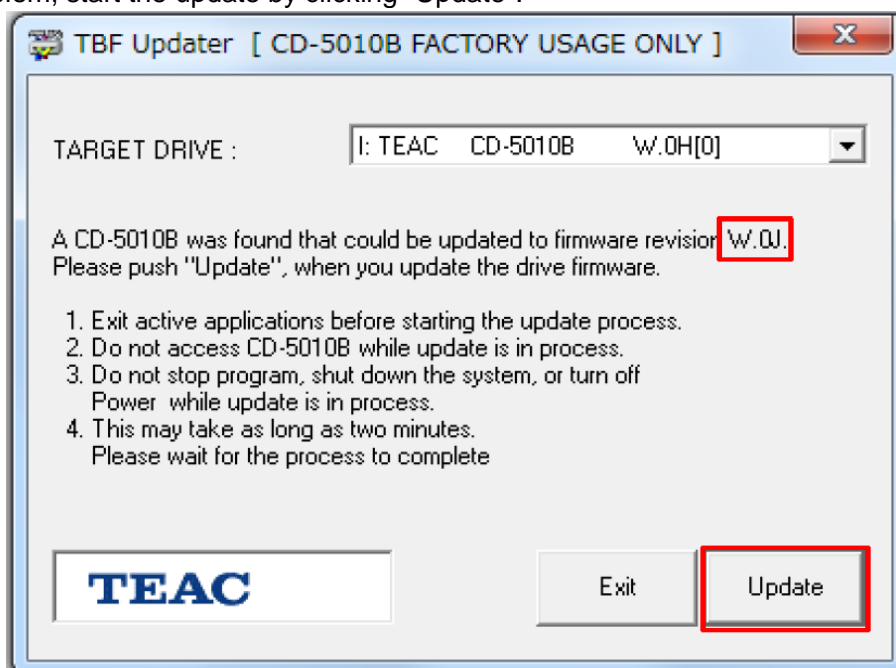
- Execute CD5010B_Updater.exe after recognizing the drive on PC.

* Right-click "CD5010B_Updater" and execute as administrator.

*Sorry, screenshot is Japanese.



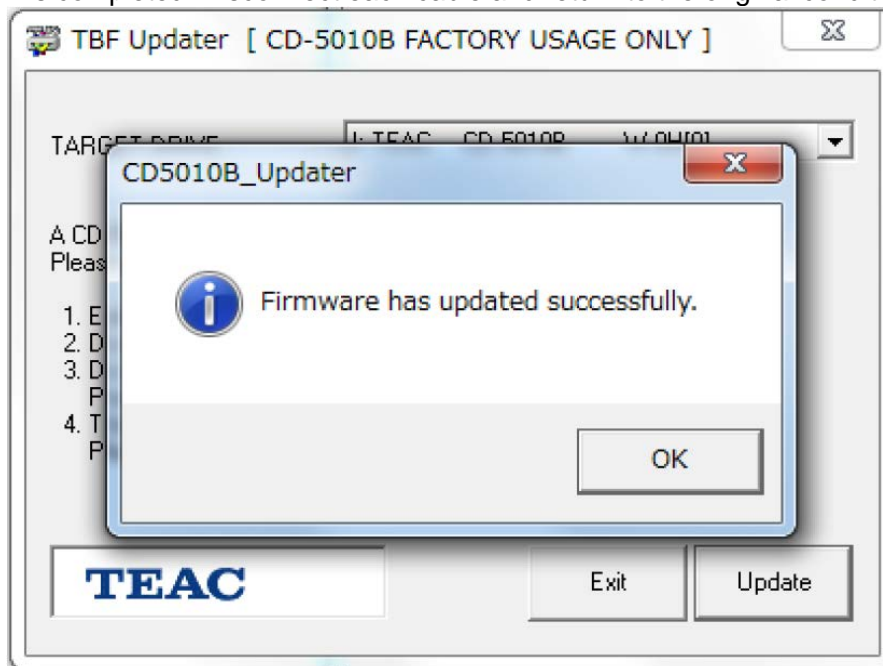
- Appear the popup of "User account control" in the display, so click "Yes".
- "TBF Updater" window is displayed, so check that writing data version is "W.OJ". If there is no problem, start the update by clicking "Update".



TEAC**TECHNICAL INFORMATION****TASCAM CD-9010/9010CF, Drive FW update**No. **1705**

DATE 10th May. 2017

7. If update is completed, confirmation popup is displayed, so click "OK" then update operation is completed. Disconnect each cable and return to the original condition.



[Version check and initialize on unit (TEST MODE)]

1. Turn on the power with pressing [TIME DISPLAY]+[HOME]+[BROWSE].
(Boot up the test mode)
2. Select "INFORMATION" by DATA DIAL and push the DIAL.
* Check being "Drive Unit :Ver W.0J".
* After check, change to TEST MODE MENU by pressing MENU KEY.
3. Select "EEP CHECK" by DATA DIAL and push the DIAL.
* Select "DEFAULT ALL" and push the DIAL.
4. After "EEP Checking..." displayed in LCD, display changes to "execute!!" . (EEPclear)
5. Change to TEST MODE MENU by pressing MENU KEY.
6. Finish the TEST MODE by POWER OFF.

POWER ON again, and please check that "Drive unit : Ver W.0J" is displayed on MENU -> "INFORMATION" -> "SYSTEM INFO".

TEAC**TECHNICAL INFORMATION****TASCAM CD-9010/CD-9010CF, About Tarry output modification of Parallel Remote**

No. 1707

DATE 6th Jun. 2017

Target model

CD-9010 / CD-9010CF

Failure content

When unit itself is turned off, if signal is input to WORD SYNC IN, all Tarry output of Parallel Remote becomes ON.

Countermeasure

Pattern Cut and parts (diode) adding is performed.

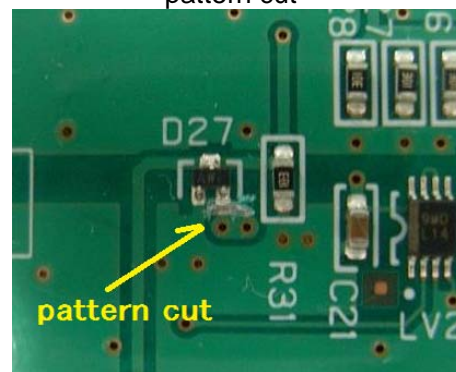
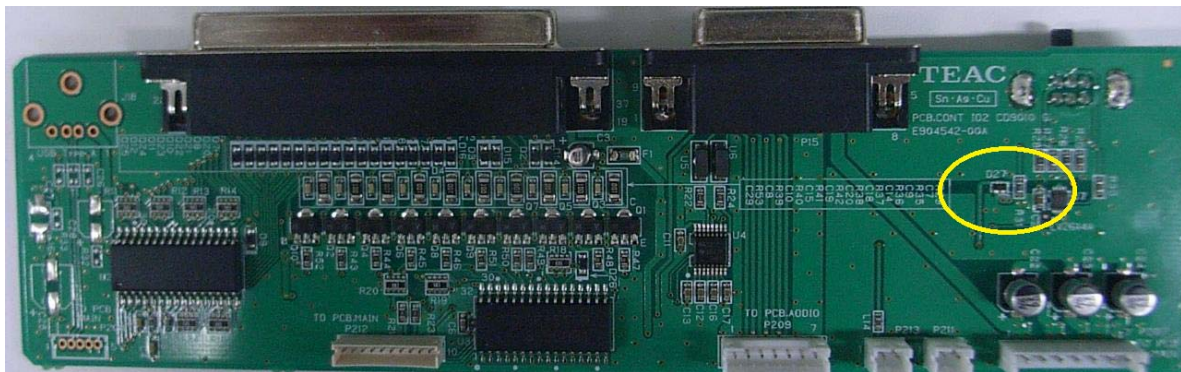
* Cut location and parts adding location is the common on both of CD-9010/CD-9010CF.

Modification target PCBA

- CD-9010 E95454200A PCBA,CONT IO2 CD9010 G
- CD-9010CF E95441000A PCB ASSY,CONT IO CD9010 G

Countermeasure contents

1. Parts side pattern cut one position
2. Cut the pattern between D27 cathode-power



pattern cut

pattern cut



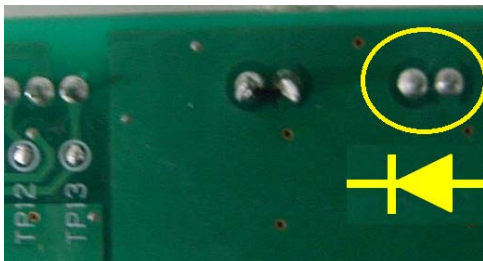
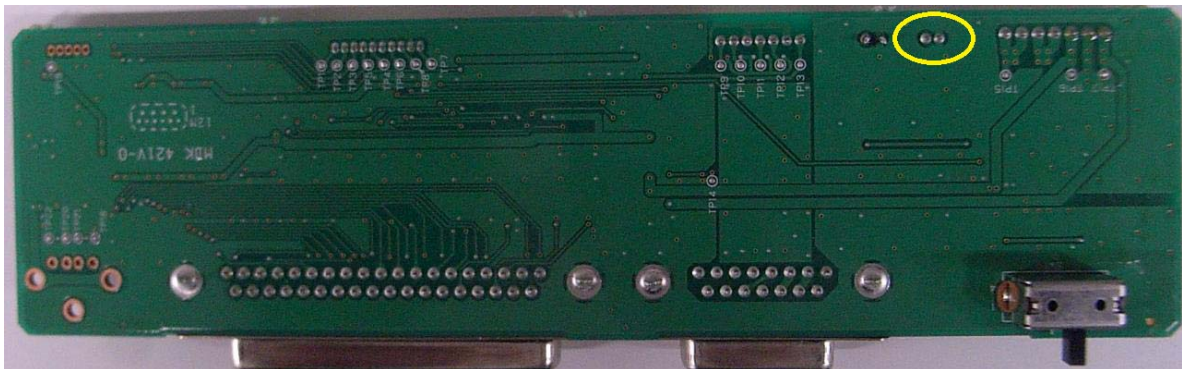
TECHNICAL INFORMATION

TASCAM CD-9010/CD-9010CF, About Tarry output modification of Parallel Remote

No. 1707

DATE 6th Jun. 2017

3. Soldering side Add Zener diode one position
 4. Connect 6.8V Zener diode to between P211 1pin-2pin
* 1pin: cathode, 2pin: anode
- Parts used: S0036754 ZENER DIO,UDZS 6.8B G
Parts number: D31



TEAC**TECHNICAL INFORMATION**

No. 1403

TASCAM CD-9010/9010CF, “UNOWN FORMAT” Error

DATE 30th Dec. 2014

Target model

CD-9010CF/CD-9010

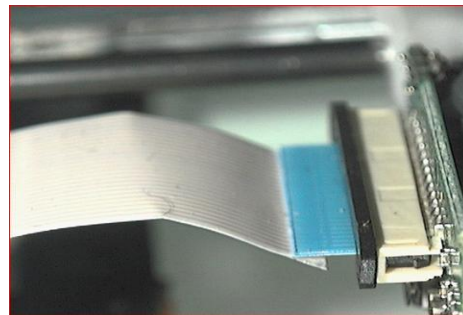
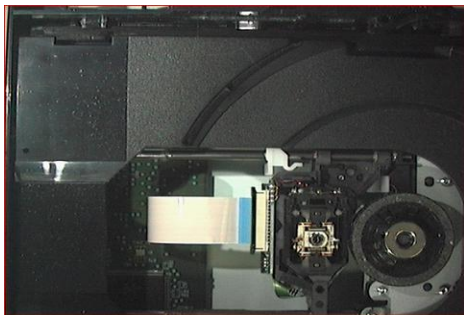
Failure contents

We found that some units have **failure which “UNKNOWN FORMAT” error is displayed on display** with not reading CD media normally because of electrical disconnection of flat cable inside the drive on CD drive (CD-5010B) used in CD-9010CF/CD-9010.

Cause

This is operation failure in manufacture process of drive.

When flat cable used for internal pickup inserted to connector, because force like folding it is applied at base of reinforcing sheet, stress is added to base of reinforcing sheet every pickup movement, then we think electrical disconnection was caused.

**Market support**

Regarding CD-9010CF/CD-9010 that has corresponding serial number, please **replace the drive with brand new CD drive ([V00188200A] DRIVE ASSY, CD-5010B-061)** that correct handling for flat cable has been performed again .

(Current stock in warehouse has been already checked again.)

[Corresponding serial number for repair]

Model	Lot	Serial Number
CD-9010CF	LOT004	0040001~ 0040020
	LOT006	0060001~ 0060080
	LOT007	0070001~ 0070080
	LOT008	0080001~ 0080055

Model	Lot	Serial Number
CD-9010	LOT003	0030001~ 0030010
	LOT004	0040001~ 0040030
	LOT005	0050001~ 0050015
	LOT006	0060001~ 0060039



TECHNICAL INFORMATION

No. **1404_Rev.B**

TASCAM CD-9010/9010CF, “UNOWN FORMAT” Error

DATE 4th Jan, 2014

Target model

CD-9010CF / CD-9010

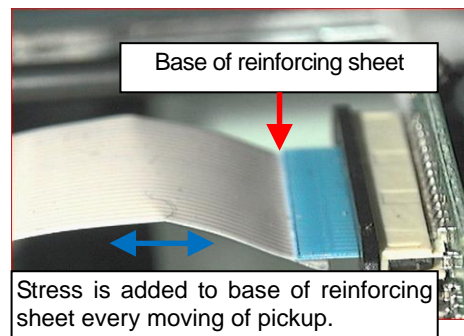
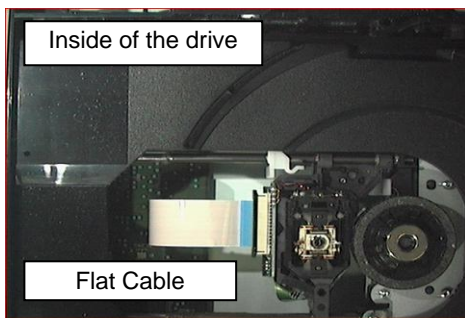
Failure contents

We found that some units have **failure which “UNKNOWN FORMAT” error is displayed on display** with not reading CD media normally because of electrical disconnection of flat cable inside the drive on CD drive (CD-5010B) used in CD-9010CF/CD-9010.

Cause

This is operation failure in manufacture process of drive.

When flat cable used for internal pickup inserted to connector, because force like folding it is applied at base of reinforcing sheet, stress is added to base of reinforcing sheet every pickup movement, then we think electrical disconnection was caused.



Market support

Regarding CD-9010CF/CD-9010 that has corresponding serial number, please **replace the drive with brand new CD drive ([V00188250A] DRIVE ASSY, CD-5010B-061 SP)** that correct handling for flat cable has been performed again.

(* Re-checked CD drive is controlled as other **parts number (V00188250A) apart from previous parts number (V00188200A)**. And there is a **black dot marking** somewhere on four corner in seal.)



[Corresponding serial number for repair]

Model	Lot	Serial Number
CD-9010CF	LOT004	0040001-0040020
	LOT006	0060001-0060080
	LOT007	0070001-0070080
	LOT008	0080001-0080055

Model	Lot	Serial Number
CD-9010	LOT003	0030001-0030010
	LOT004	0040001-0040030
	LOT005	0050001-0050015
	LOT006	0060001-0060039

TEAC**TECHNICAL INFORMATION****TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**No. **1602**
DATE 10th Jun. 2016**Target model**CD-9010 / CD-9010CF / HS-20 / HS-2000 / HS-4000 / HS-8 / RC-900 /
RC-9010 / RC-9010D / RC-9010S / RC-HS32PD / RC-HS20PD**Failure confirmed**

Mounting the EMI filter parts of the design change that was implemented for the August, 2015 or later products was started.

But we found there are some cases of becoming the non-soldering by float of the other side if the changed filter shifts to one side of PCB pad, because the changed filter size is smaller than the previous filter.

Regarding this issue, effected products range is wide, so the model used, the target lot, the PCBA used, the target part location (the qty. used) and the failure symptom in case of becoming the non-soldering are summarized to the next page or the later.

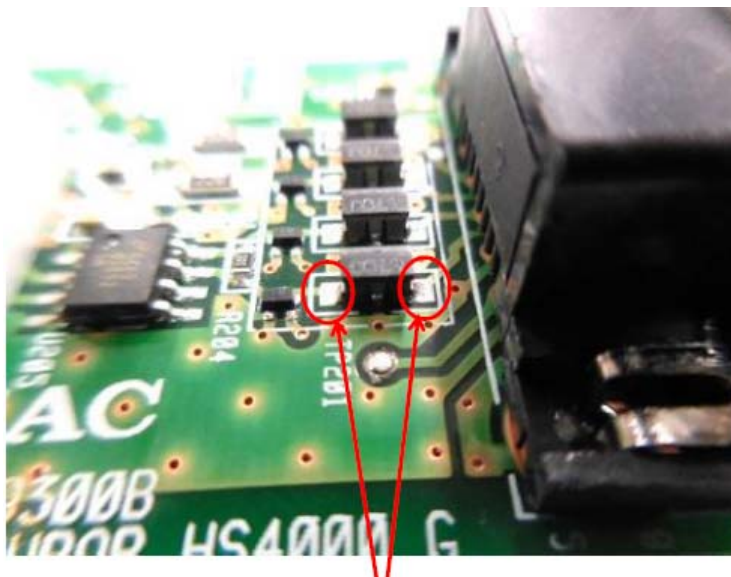
Please implement the following countermeasure for the PCBA of the target model.

Countermeasure

Please implement additional soldering work for the target filter part until each PCB is revised.

- Target part E0231634 FILTER,ELKE470FA G
- E0231644 FILTER,ELKE101FA G
- E0231654 FILTER,ELKE102FA G

<Example>



Additional soldering by hand work



TECHNICAL INFORMATION

**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

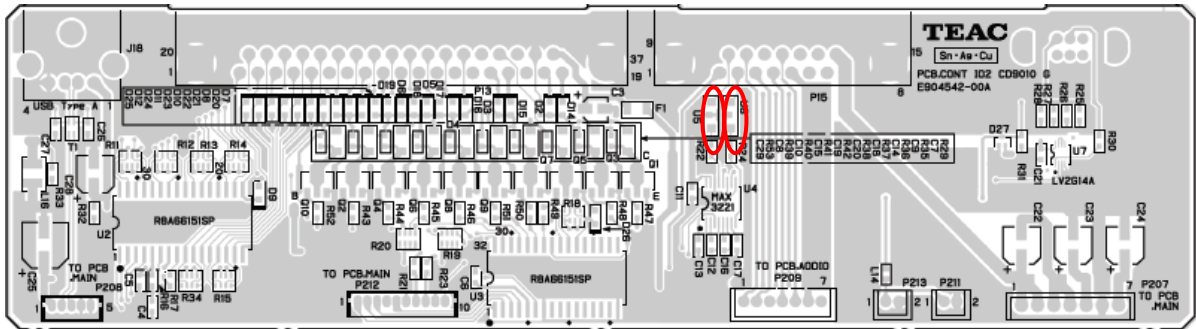
No. 1602

DATE 10th Jun. 2016

[1] CD-9010

Expected failure symptom in case of non-soldering	Communication disconnection with RC-9010 (Remote controller)
Target LOT	(August, 2015 or later) 011LOT(S/N: 0110001-)
Reworded LOT	(February, 2016 or later) 013LOT(S/N: 0130001-)
PCBA used	E95454200A PCBA,CONT IO2 CD9010 G
Target location number	U5, U6(Target are 2 points)

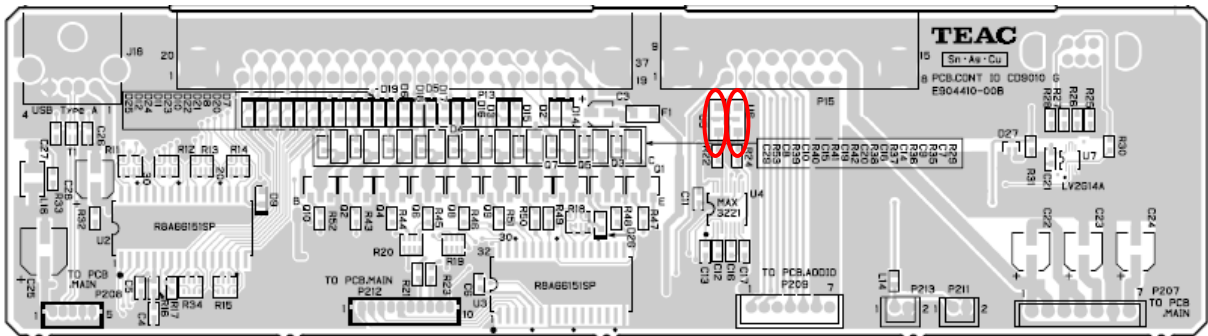
(Pattern drawing) *Side A



[2] CD-9010CF

Expected failure symptom in case of non-soldering	Communication disconnection with RC-9010 (Remote controller)
Target LOT	(August, 2015 or later) 010LOT(S/N:0100001-0110000)
Reworded LOT	From the middle of 010LOT
PCBA used	E95441000A PCB ASSY,CONT IO CD9010 G
Target location number	U5, U6(Target are 2 points)

(Pattern drawing) *Side A





TECHNICAL INFORMATION

**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

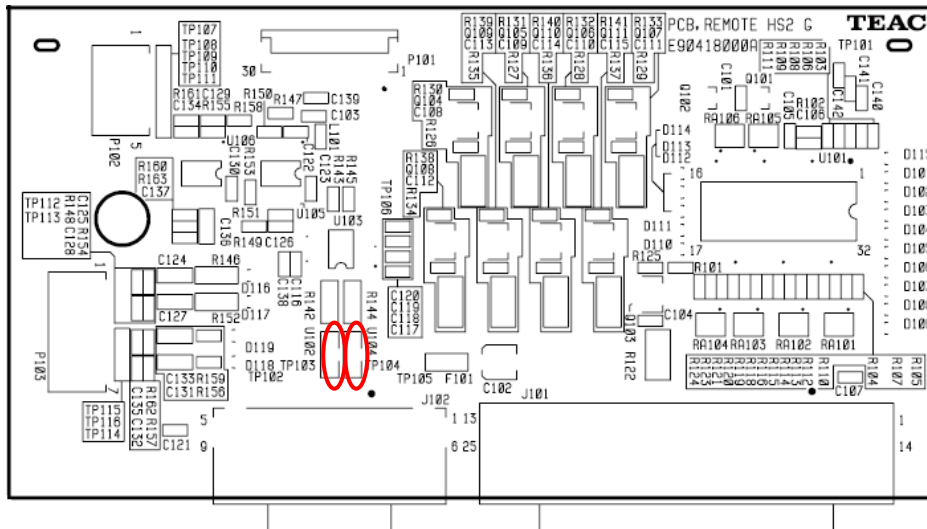
No. 1602

DATE 10th Jun. 2016

[3] HS-20

Expected failure symptom in case of non-soldering	Communication disconnection of RS-232C
Target LOT	(August, 2015 or later) 008LOT(S/N: 0080001-)
Reworded LOT	(May, 2016 or later) 165LOT(S/N: 1650001-)
PCBA used	E95418000A PCBA,REMOTE HS2 G
Target location number	U102, U104(Target are 2 points)

(Pattern drawing) *Side A





TECHNICAL INFORMATION

**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

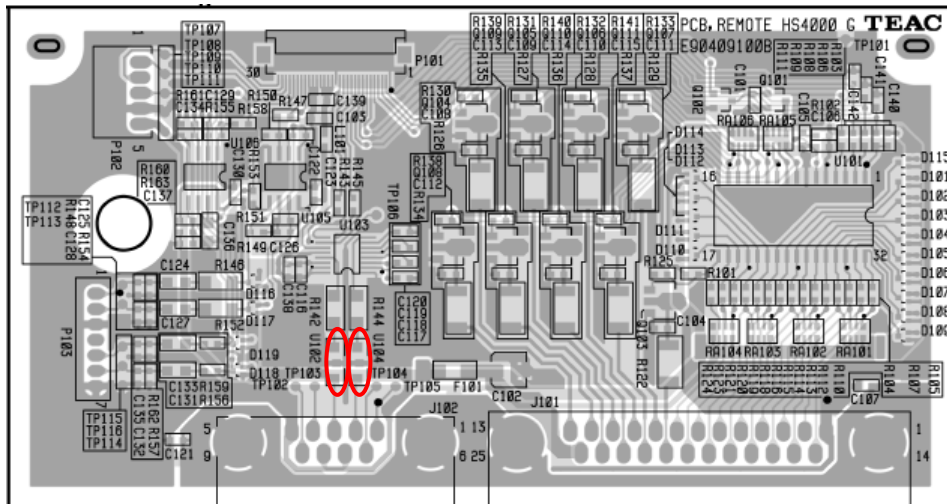
No. 1602

DATE 10th Jun. 2016

[4] HS-2000

Expected failure symptom in case of non-soldering	Communication disconnection of RS-232C
Target LOT	(August, 2015 or later) 006LOT(S/N: 0060001-)
Reworded LOT	(January, 2016 or later) 007LOT(S/N: 0070001-)
PCBA used	E95409100A PCBA,REMOTE HS4K G
Target location number	U102, U104(Target are 2 points)

(Pattern drawing) *Side A





TECHNICAL INFORMATION

**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

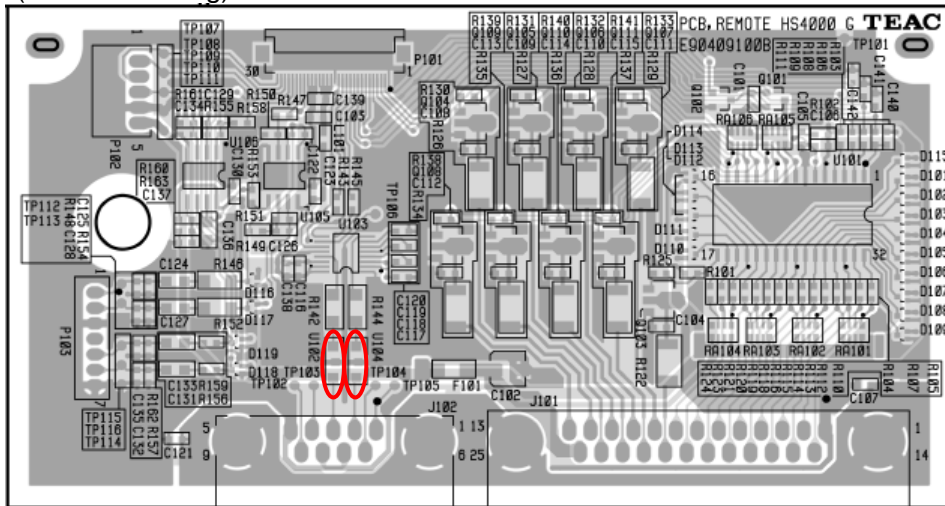
No. 1602

DATE 10th Jun. 2016

[5] HS-4000

Expected failure symptom in case of non-soldering	Communication disconnection of RS-232C
Target LOT	(August, 2015 or later) 021LOT(S/N: 0210001-)
Reworded LOT	(March, 2016 or later) 025LOT(S/N: 0250001-)
PCBA used	E95409100A PCBA,REMOTE HS4K G
Target location number	U102,U104(Target are 2 points)

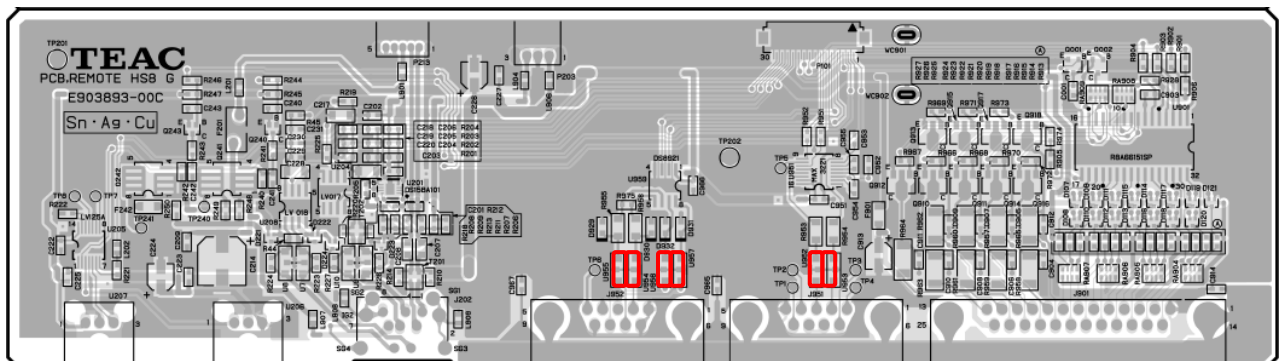
(Pattern drawing) *Side A



[6] HS-8

Expected failure symptom in case of non-soldering	Communication disconnection of RS-232C/RS-422
Target LOT	(November, 2015 or later) 012LOT(S/N: 0120001-)
Reworded LOT	(February, 2016 or later) 013LOT(S/N: 0130001-)
PCBA used	E95389300A PCB ASSY,REMOTE HS8 G
Target location number	U952-U957(Target are 6points)

(Pattern drawing) *Side A





TECHNICAL INFORMATION

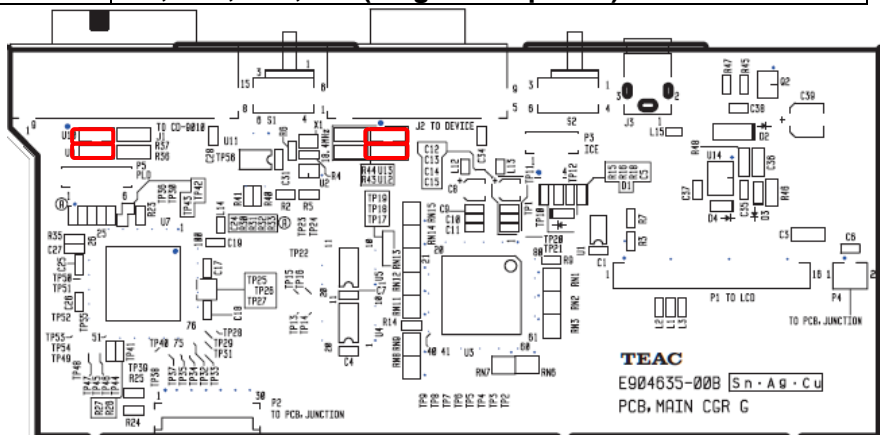
**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

No. **1602**
DATE **10th Jun. 2016**

[7] RC-900

Expected failure symptom in case of non-soldering	Communication disconnection with CD-9010 and PLAYER/RECORDER of the connection source
Target LOT	(March, 2016 or later) 006LOT(S/N: 0060001-0070000)
Reworded LOT	From the middle of 006LOT
PCBA used	E95463500A PCBA,MAIN CGR G
Target location number	U9, U10, U12, U13(Target are 4points)

(Pattern drawing)
*Side A





TECHNICAL INFORMATION

**TASCAM broadcast equipment: 12 products,
Countermeasure of soldering failure of filter part**

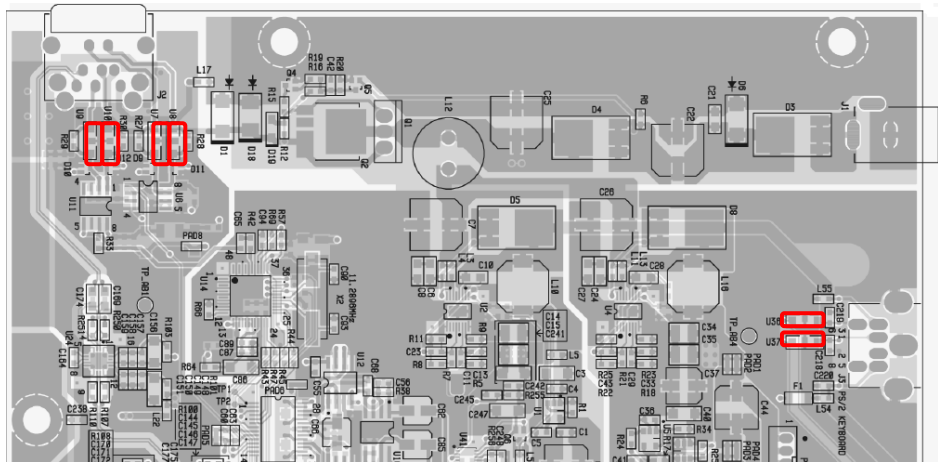
No. 1602

DATE 10th Jun. 2016

[9] RC-HS32PD

Expected failure symptom in case of non-soldering	Communication disconnection with HS-4000/HS-2000 of the connection source
Target LOT	(August, 2015 or later) 014LOT (S/N: 0140001-)
Reworded LOT	(April, 2016 or later) 164LOT (S/N: 1640001-)
PCBA used	E95411900A PCB ASSY,MAIN RCHS32PD G
Target location number	U7-10, U36, U37(Target are 6points)

(Pattern drawing)
*Side A



[10] RC-HS20PD

Expected failure symptom in case of non-soldering	Communication disconnection with HS-8/HS-20 of the connection source
Target LOT	(August, 2015 or later) 007LOT(S/N: 0070001-)
Reworded LOT	(April, 2016 or later) 164LOT(S/N: 1640001-)
PCBA used	E95390500C PCB ASSY,MAIN RC-HS20PD G
Target location number	U9-12(Target are 4points)

(Pattern drawing)
*Side A

