

DJ-808

SERVICE NOTES

Issued by RJA

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Cautionary Notes

Before beginning the procedure, please read through this document. The matters described may differ according to the model.

Back Up User Data!

User data may be lost during the course of the procedure. Refer to **Data Backup and Restore Operations** (p. 33) in the Service Notes and save the data. After completing the procedure, restore the backed-up data to the product.

Part Replacement

When replacing components near the power-supply circuit or a heat-generating circuit (such as a circuit provided with a heat sink or including a cement resistor), carry out the procedure according to the instructions with respect to the part number, direction, and attachment position (mounting so as to leave an air gap between the component and the circuit board, etc.).

Parts List

A component whose part code is ***** will not be supplied as a service part because one of the following reasons applies.

- Because it is supplied as an assembled part (under a different part code).
- Because a number of circuit boards are grouped together and supplied as a single circuit board (under a different part code).
- Because supply is prohibited due to copyright restrictions.
- Because reissuance is restricted.
- Because the part is made to order (at current market price).
- Because it is carried in electronic data on the Roland web site.
- Because it is a package or an accessory irrelevant to the function maintenance of the main body.
- Because it can be replaced with an article on the market. (battery or etc.)

Circuit Diagram

In the circuit diagram, "NIU" is an abbreviation for "Not in Use," and "UnPop" is an abbreviation for "Unpopulated." They both mean non-mounted components. The circuit board and circuit board diagram show silk-screened indications, but no components are mounted.

Roland Japan Warranty

Please send the problem report with followings when the defect occurred within one year from production and within one month from the first customer's purchase.

- Model name:
- Serial number:
- Version:
- Purchase date by the first customer: yyyy/mm/dd
- Symptom:
- Frequency: always, sometimes or seldom
- Confirmed the symptom at your service dept: Yes/No

Please send the problem report to rjasc@roland.co.jp.

Specifications

Roland DJ-808: DJ Controller

Signal processing

Sampling Frequency = 96 kHz, 48 kHz, 44.1 kHz
 A/D conversion: 24 bits
 D/A conversion: 32 bits

Nominal input level

INPUT (1–4) (RCA phono type, LINE): -12 dBu
 INPUT (1, 2) (RCA phono type, PHONO): -39 dBu
 MIC IN (Combo type): -60 dBu

Nominal output level

MASTER OUT 1: +6 dBu (balanced)
 MASTER OUT 2: +0 dBu
 BOOTH OUT: +6 dBu (balanced)

Head room

18 dB

Input impedance

INPUT (1–4) (RCA phono type): 47 k Ω or greater
 MIC IN (Combo type): 7 k Ω or greater

Output impedance

MASTER OUT 1: 600 Ω (balanced)
 MASTER OUT 2: 1 k Ω (unbalanced)
 BOOTH OUT: 600 Ω (balanced)
 PHONES: 44 Ω

Frequency response

96.0 kHz: 20 Hz–40 kHz (+0/-2 dB)
 48.0 kHz: 20 Hz–22 kHz (+0/-2 dB)
 44.1 kHz: 20 Hz–20 kHz (+0/-2 dB)

Residual noise level

INPUT (1–4) --> MASTER OUTPUT 1: 83 dBu typ.
 (GAIN knob: min., input terminated with 1 k Ω , channel fader: max., IHF-A, typ.)

Dynamic range

MASTER OUT: 115 dB
 BOOTH OUT: 115 dB
 PHONES: 115 dB

Connectors

INPUT (1–4) jacks: RCA phono type
 MIC IN jack: Combo type (XLR, 1/4 inch TRS phone (balanced))
 MASTER OUT 1 jacks: XLR type (balanced)
 MASTER OUT 2 jacks: RCA phono type
 BOOTH OUT jacks: TRS phone type (balanced)
 PHONES jacks: stereo 1/4 inch phone type, miniature phone type
 USB Host ports: USB type A
 PC port: USB type B
 MIDI OUT connector
 DC IN jack
 PHONO GROUND terminal

Power supply

AC adaptor

Current draw

2,000 mA

Dimensions

668 (W) x 427 (D) x 84 (H) mm
 26-5/16 (W) x 16-13/16 (D) x 3-5/16 (H) inches

Weight

6.8 kg (excluding AC adaptor)
 15 lbs

Accessories

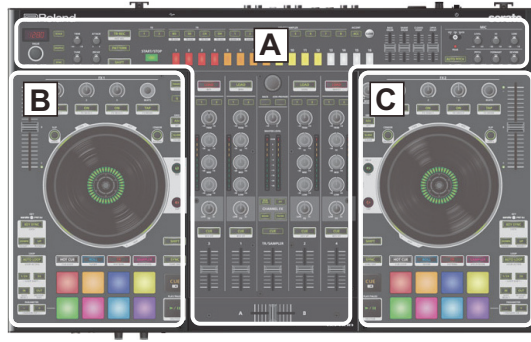
AC adaptor (#5100012293, #5100000692, #5100000564, #5100039367, #5100018086, #05017301, #5100029122)
 Power cord (#04236101)
 Startup guide (#5100051467)
 USB cable (#5100009897)
 serato P'NT DJ EXPANSION PACK VOUCHER card (#*****)

* $0\text{dBu} = 0.775\text{V}_{\text{rms}}$

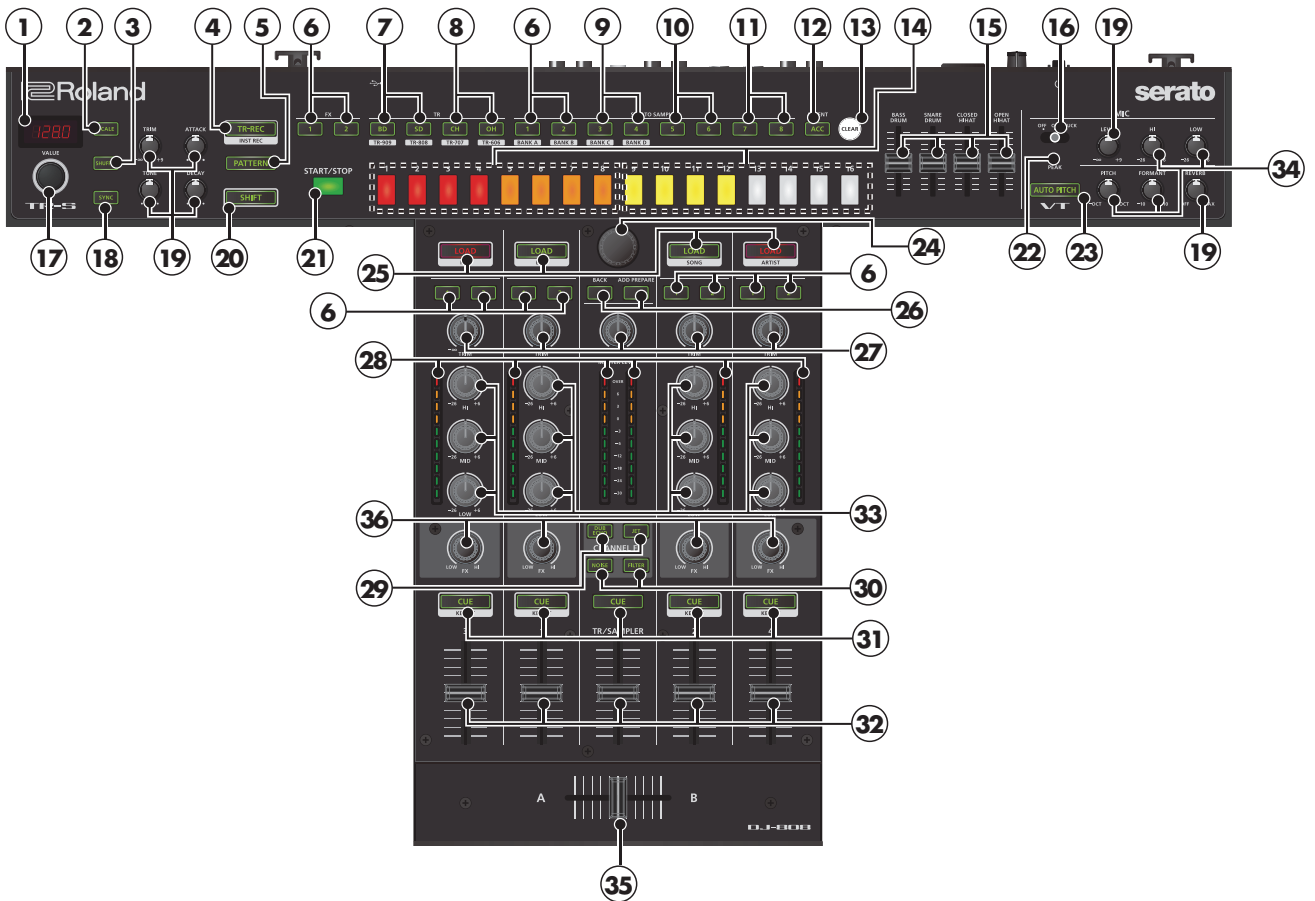
* Printed matters will not be supplied after the end of the production. Then, download the electronic file from the Roland web site.

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Location of Controls (Top A)



A



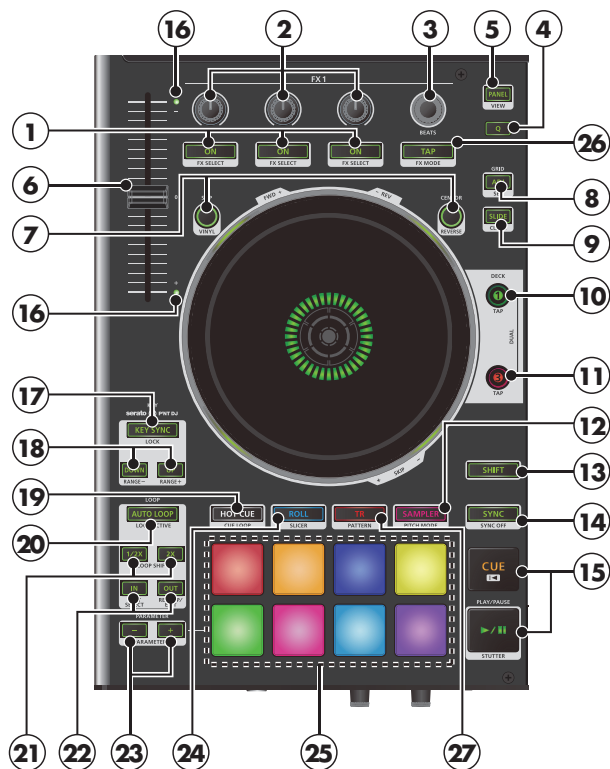
Location of Controls (Top A) Parts List

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|---------------------------|-----------------------------|------|
| 1 | 5100052116 | 7SEG COVER | | 1 |
| | 5100036722 | LED | A-364SRD | 1 |
| | 40122534 | DOUBLE-FACED TAPE | #500 W3MM 20M 136P | - |
| 2 | 5100052394 | S-KEYTOP | SX1H CLR SCALE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 3 | 5100052396 | S-KEYTOP | SX1H CLR SHUFFLE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 4 | 5100052423 | S-KEYTOP | LX1H CLR TR-REC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 5 | 5100052424 | S-KEYTOP | LX1H CLR PATTERN | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 6 | 5100052410 | S-KEYTOP | SX2H CLR 1-2 | 6 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 12 |
| 7 | 5100052421 | S-KEYTOP | SX2H CLR BD-SD | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 8 | 5100052422 | S-KEYTOP | SX2H CLR CH-OH | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 9 | 5100052411 | S-KEYTOP | SX2H CLR 3-4 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 10 | 5100052412 | S-KEYTOP | SX2H CLR 5-6 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 11 | 5100052413 | S-KEYTOP | SX2H CLR 7-8 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 12 | 5100052400 | S-KEYTOP | SX1H CLR ACC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 13 | 5100052438 | C-KEYTOP | MX1H CLR CLEAR | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 14 | 5100044011 | KEY CAP | CLR | 16 |
| | 5100052092 | RUBBER SWITCH | 8P | 2 |
| 15 | 5100037191 | J S-KNOB | M BLK/LCG | 4 |
| | 5100052310 | SLIDE POTENTIOMETER | C3080G1AV1B103BF10BF | 4 |
| 16 | 5100047832 | SWITCH | SL10020F-0203-15PA-SN | 1 |
| | 5100052452 | DUST COVER S | | 1 |
| 17 | 5100044342 | M R-KNOB | LF-ELA BLK | 1 |
| | 5100051141 | ENCODER | XRE0125PVB20FINB1-2-24PCE/I | 1 |
| 18 | 5100052398 | S-KEYTOP | SX1H CLR SYNC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 19 | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 6 |
| | 5100041032 | ROTARY POTENTIOMETER | XV09223NPV25F972Z10K/I | 6 |
| 20 | 5100052425 | S-KEYTOP | LX1H CLR SHIFT | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 21 | 5100044011 | KEY CAP | CLR | 1 |
| | 5100052093 | RUBBER SWITCH | 1P | 1 |
| 22 | 5100052095 | LED LENS A | | 1 |
| 23 | 5100052426 | S-KEYTOP | LX1H CLR AUTO PITCH | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 24 | 5100052446 | R-KNOB | KF-ELA BLK | 1 |
| | 5100038727 | ENCODER | RE111F-41B3-15F-20P-105 | 1 |
| 25 | 5100052436 | S-KEYTOP | LX1H CLR LOAD | 4 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 4 |
| 26 | 5100052414 | S-KEYTOP | SX2H CLR BLK-BLK | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 27 | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 5 |
| | 5100048077 | ROTARY POTENTIOMETER | RK09L1140A2U | 5 |
| 28 | 5100052102 | LED COVER | | 6 |
| 29 | 5100052419 | S-KEYTOP | SX2H CLR DUB ECHO-JET | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 30 | 5100052420 | S-KEYTOP | SX2H CLR NOISE-FILTER | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 31 | 5100052437 | S-KEYTOP | LX1H CLR CUE | 5 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 5 |
| 32 | 5100052449 | J S-KNOB | BLK | 5 |
| | 5100052877 | SLIDE POTENTIOMETER | C4591NOFV1B103BL0021 | 5 |
| | 5100052453 | DUST COVER M | | 5 |
| 33 | 5100053558 | J R-KNOB | MF-ELA MCG/LCG | 12 |
| | 5100048076 | ROTARY POTENTIOMETER | RK09L114001T | 12 |
| 34 | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 4 |
| | 5100041031 | ROTARY POTENTIOMETER | XV09223NPV25F972Z10KCC/I | 4 |
| 35 | 5100052449 | J S-KNOB | BLK | 1 |
| | 5100047833 | SLIDE POTENTIOMETER | RA45D1LF-211-20C1-B10K | 1 |
| | 5100052453 | DUST COVER M | | 1 |
| 36 | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 4 |
| | 5100048076 | ROTARY POTENTIOMETER | RK09L114001T | 4 |

Location of Controls (Top B)



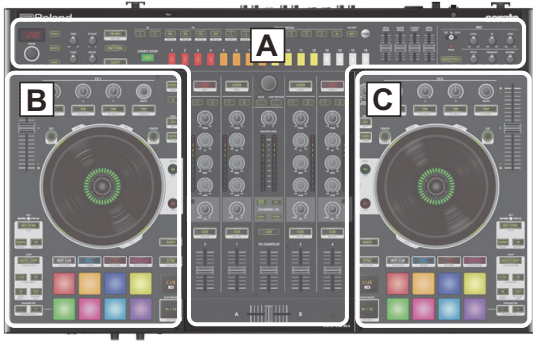
B



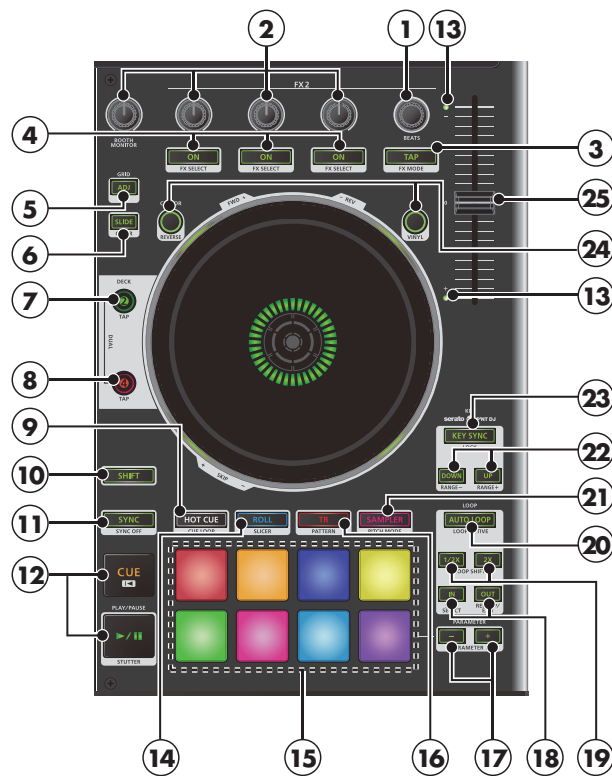
Location of Controls (Top B) Parts List

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|-----------------------|-------------------------|------|
| 1 | 5100052428 | S-KEYTOP | LX1H CLR ON | 3 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 3 |
| 2 | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 3 |
| | 5100048077 | ROTARY POTENTIOMETER | RK09L1140A2U | 3 |
| 3 | 5100052448 | J R-KNOB | MF-ELA BLK | 1 |
| | 5100038727 | ENCODER | RE111F-41B3-15F-20P-105 | 1 |
| 4 | 5100052395 | S-KEYTOP | SX1H CLR Q | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 5 | 5100052393 | S-KEYTOP | SX1H CLR PANEL | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 6 | 5100052450 | S-KNOB | BLK | 1 |
| | 5100052775 | SLIDE POTENTIOMETER | RFA0N12K6505 | 1 |
| 7 | 5100052443 | C-KEYTOP | MX1H CLR BLK | 2 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 8 | 5100052397 | S-KEYTOP | SX1H CLR ADJ | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 9 | 5100052399 | S-KEYTOP | SX1H CLR SLIDE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 10 | 5100052439 | C-KEYTOP | MX1H CLR 1 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 11 | 5100052441 | C-KEYTOP | MX1H CLR 3 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 12 | 5100052434 | S-KEYTOP | LX1H CLR SAMPLER | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 13 | 5100052425 | S-KEYTOP | LX1H CLR SHIFT | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 14 | 5100052435 | S-KEYTOP | LX1H CLR SYNC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 15 | 5100052445 | KEYTOP UNIT | CUE & PLAY/PAUSE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 16 | 5100052096 | LED LENS B | | 2 |
| 17 | 5100052429 | S-KEYTOP | LX1H CLR KEY SYNC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 18 | 5100052415 | S-KEYTOP | SX2H CLR DOWN-UP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 19 | 5100052431 | S-KEYTOP | LX1H CLR HOT CUE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 20 | 5100052430 | S-KEYTOP | LX1H CLR AUTO LOOP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 21 | 5100052416 | S-KEYTOP | SX2H CLR 1/2X-2X | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 22 | 5100052417 | S-KEYTOP | SX2H CLR IN-OUT | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 23 | 5100052418 | S-KEYTOP | SX2H CLR -/+ | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 24 | 5100052432 | S-KEYTOP | LX1H CLR ROLL | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 25 | 5100052091 | RUBBER SWITCH | 4X2P | 1 |
| | 5100052090 | PRESSURE SHEET SENSOR | | 1 |
| 26 | 5100052427 | S-KEYTOP | LX1H CLR TAP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 27 | 5100052433 | S-KEYTOP | LX1H CLR TR | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |

Location of Controls (Top C)



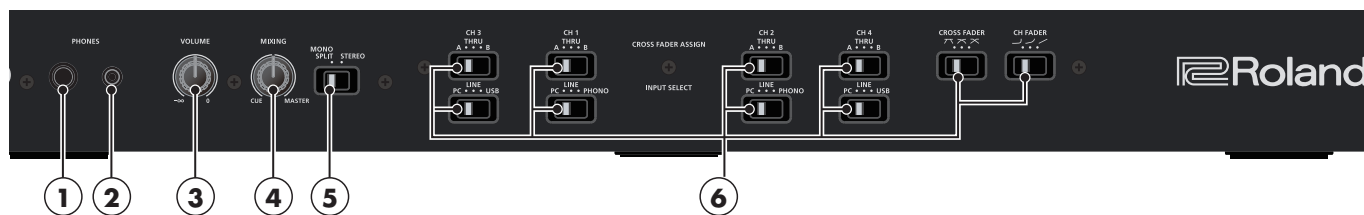
C



Location of Controls (Top C) Parts List

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|-----------------------|-------------------------|------|
| 1 | 5100052448 | J R-KNOB | MF-ELA BLK | 1 |
| | 5100048077 | ENCODER | RE111F-41B3-15F-20P-105 | 1 |
| 2 | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 4 |
| | 5100048077 | ROTARY POTENTIOMETER | RK09L1140A2U | 4 |
| 3 | 5100052427 | S-KEYTOP | LX1H CLR TAP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 4 | 5100052428 | S-KEYTOP | LX1H CLR ON | 3 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 3 |
| 5 | 5100052397 | S-KEYTOP | SX1H CLR ADJ | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 6 | 5100052399 | S-KEYTOP | SX1H CLR SLIDE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 7 | 5100052440 | C-KEYTOP | MX1H CLR 2 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 8 | 5100052442 | C-KEYTOP | MX1H CLR 4 | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 9 | 5100052431 | S-KEYTOP | LX1H CLR HOT CUE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 10 | 5100052425 | S-KEYTOP | LX1H CLR SHIFT | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 11 | 5100052435 | S-KEYTOP | LX1H CLR SYNC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 12 | 5100052445 | KEYTOP UNIT | CUE & PLAY/PAUSE | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 13 | 5100052096 | LED LENS B | | 2 |
| 14 | 5100052432 | S-KEYTOP | LX1H CLR ROLL | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 15 | 5100052091 | RUBBER SWITCH | 4X2P | 1 |
| | 5100052090 | PRESSURE SHEET SENSOR | | 1 |
| 16 | 5100052433 | S-KEYTOP | LX1H CLR TR | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 17 | 5100052418 | S-KEYTOP | SX2H CLR -/+ | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 18 | 5100052417 | S-KEYTOP | SX2H CLR IN-OUT | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 19 | 5100052416 | S-KEYTOP | SX2H CLR 1/2X-2X | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 20 | 5100052430 | S-KEYTOP | LX1H CLR AUTO LOOP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 21 | 5100052434 | S-KEYTOP | LX1H CLR SAMPLER | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 22 | 5100052415 | S-KEYTOP | SX2H CLR DOWN-UP | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 23 | 5100052429 | S-KEYTOP | LX1H CLR KEY SYNC | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 1 |
| 24 | 5100052443 | C-KEYTOP | MX1H CLR BLK | 2 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 2 |
| 25 | 5100052450 | S-KNOB | BLK | 1 |
| | 5100052775 | SLIDE POTENTIOMETER | RFA0N12K6505 | 1 |

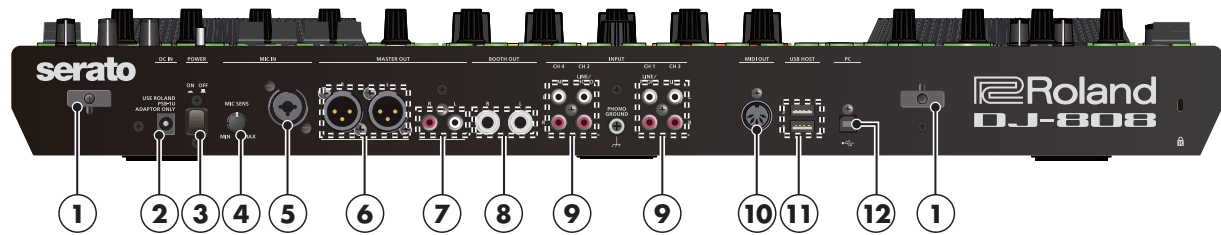
Location of Controls (Front)



Location of Controls (Front) Parts List

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|---------------------------|-------------------|------|
| 1 | 13449275 | 6.5MM JACK | YKB21-5074 | 1 |
| 2 | 02456390 | 3.5MM JACK | STEREO YKB21-5290 | 1 |
| 3 | 510009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 1 |
| | 02125778 | 9M/M ROTARY POTENTIOMETER | RK09L12B0 | 1 |
| 4 | 510009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 1 |
| | 03560512 | ROTARY POTENTIOMETER | RK09L112003P | 1 |
| 5 | 5100052089 | S-KNOB | | 1 |
| | 5100051485 | SWITCH | SKV-22F01-G6-TA | 1 |
| 6 | 5100052089 | S-KNOB | | 10 |
| | 5100051488 | SWITCH | SKV-23F01-G6-TA | 10 |

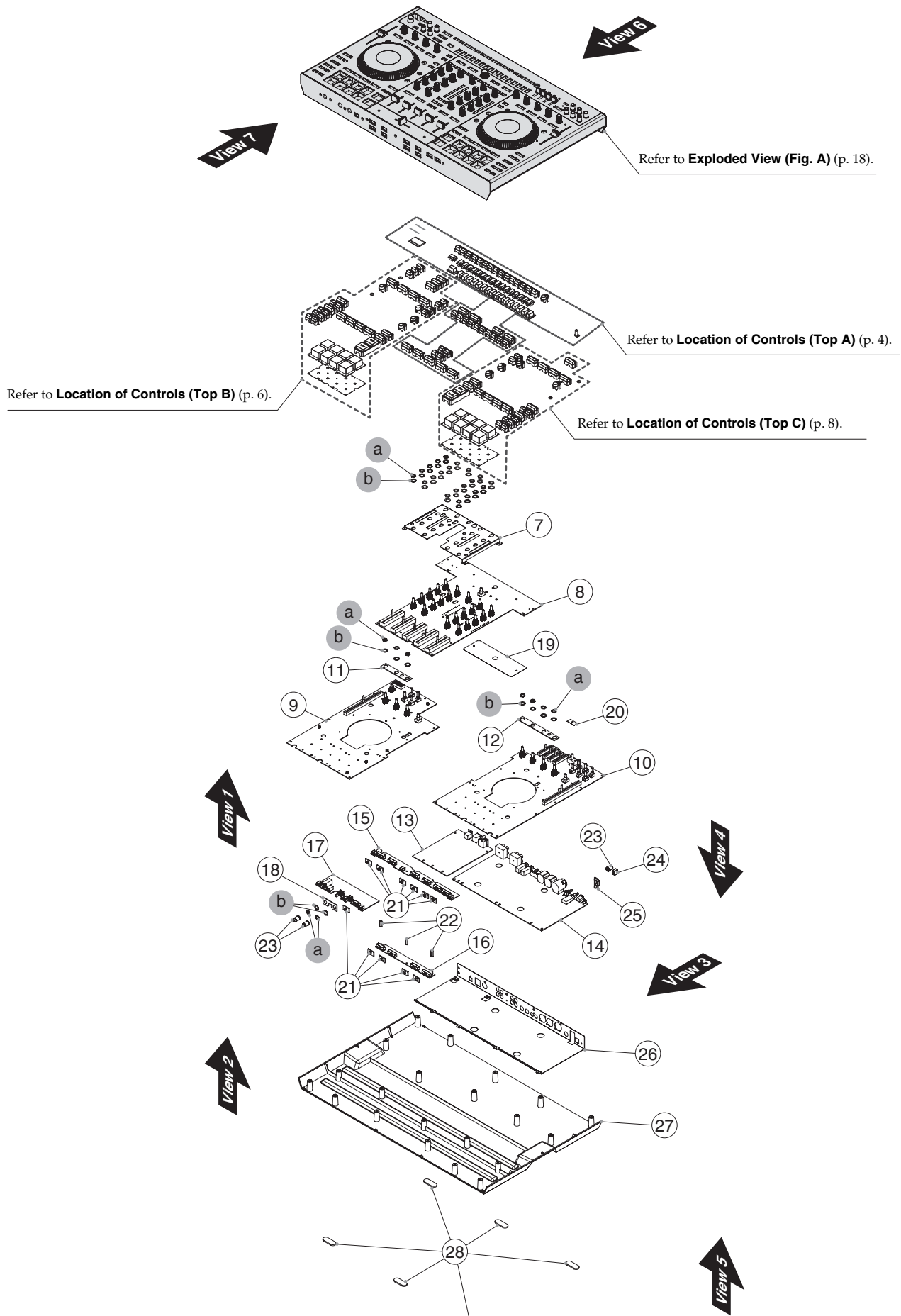
Location of Controls (Rear)



Location of Controls (Rear) Parts List

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|-----------------------------|--------------------------------|------|
| 1 | 5100027106 | CORD HOOK | 40516-014 | 2 |
| 2 | 02341634 | DC JACK HTJ-020-05A | | 1 |
| 3 | 5100037825 | G S-BUTTON | BLK (710-12058-15-00) | 1 |
| | 5100052451 | POWER SWITCH ESCUTCHEON | | 1 |
| | 04904123 | PUSH SWITCH AC POWER SUPPLY | 400-07040-01-00(PWL-2P2T-6SBP) | 1 |
| 4 | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 1 |
| | 13289231 | POTENTIOMETER | RK09L1120A14 | 1 |
| 5 | 5100013062 | CANNON CONNECTOR | CT/PJ-02-07EP | 1 |
| 6 | 5100030795 | CANNON CONNECTOR | CT3-05M-01-EP(F3439960R0) | 2 |
| 7 | 03234590 | RCA(PIN) JACK | YKC21-3503 | 1 |
| 8 | 13449275 | 6.5MM JACK | YKB21-5074 | 2 |
| 9 | 03345778 | JACK | YKC21-3473 | 2 |
| 10 | 13429672 | MIDI JACK | YKF51-5047 | 1 |
| 11 | 5100007091 | USB CONNECTOR | UAR62-8K5J00(F3439907R0) | 1 |
| 12 | 02781101 | USB CONNECTOR B TYPE FEMALE | YKF45-0020N | 1 |

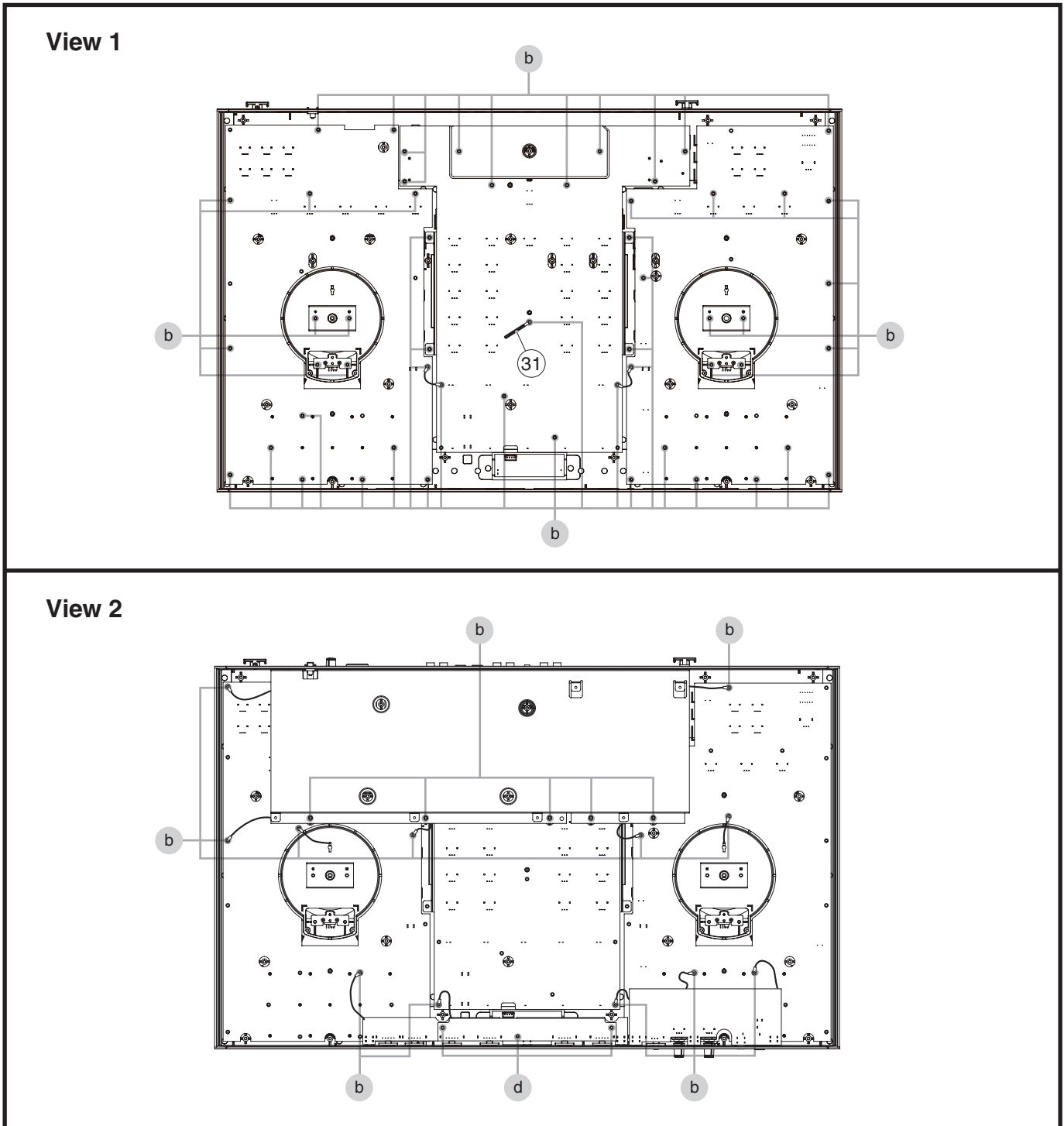
Exploded View (1)



Exploded View Parts List (1)

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|--|---|------|
| 7 | 5100052098 | VOLUME HOLDER | | 1 |
| | 5100050272 | PANEL C SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 8 | ***** | PANEL C BOARD | | 1 |
| 15 | ***** | FRONT U BOARD | | 1 |
| 16 | ***** | FRONT L BOARD | | 1 |
| | ***** | CROSSFADER BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| 11 | ***** | PANEL L SPACER | | 1 |
| 12 | ***** | PANEL R SPACER | | 1 |
| 18 | ***** | PHONES SPACER | | 1 |
| | 5100050281 | PANEL L SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 9 | ***** | PANEL L BOARD | | 1 |
| | ***** | ENCODER BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| | ***** | LEAF BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| | ***** | LED BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| | 5100050290 | PANEL R SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 10 | ***** | PANEL R BOARD | | 1 |
| | ***** | ENCODER BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| | ***** | LEAF BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| | ***** | LED BOARD | Refer to Exploded View (Fig. A) (p. 18). | 1 |
| 13 | 5100050270 | MAIN BOARD ASSY | | 1 |
| | 5100050265 | JACK SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 14 | ***** | JACK BOARD | | 1 |
| 17 | ***** | PHONES BOARD | | 1 |
| 19 | 5100052455 | SHIELD SHEET | | 1 |
| 20 | 5100052452 | DUST COVER S | | 1 |
| 21 | 5100052089 | S-KNOB | | 11 |
| 22 | 02124112 | STANDOFF M3 | L16C | 3 |
| 23 | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 3 |
| 24 | 5100037825 | G S-BUTTON | BLK (710-12058-15-00) | 1 |
| 25 | 5100052451 | POWER SWITCH ESCUTCHEON | | 1 |
| 26 | 5100052097 | PWB CHASSIS | | 1 |
| 27 | 5100051448 | BOTTOM CASE | | 1 |
| 28 | 5100052118 | FOOT | | 6 |
| a | ***** | NUT | attached to Rotary Potentiometer | 30 |
| b | ***** | WASHER | attached to Rotary Potentiometer | 30 |

Plain View (1)



View 1

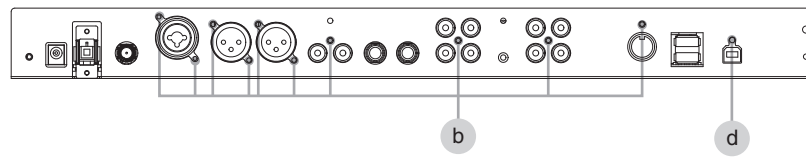
| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|--------------|--------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 54 |
| 31 | 40120967 | COATING CLIP | CS-3 | 1 |

View 2

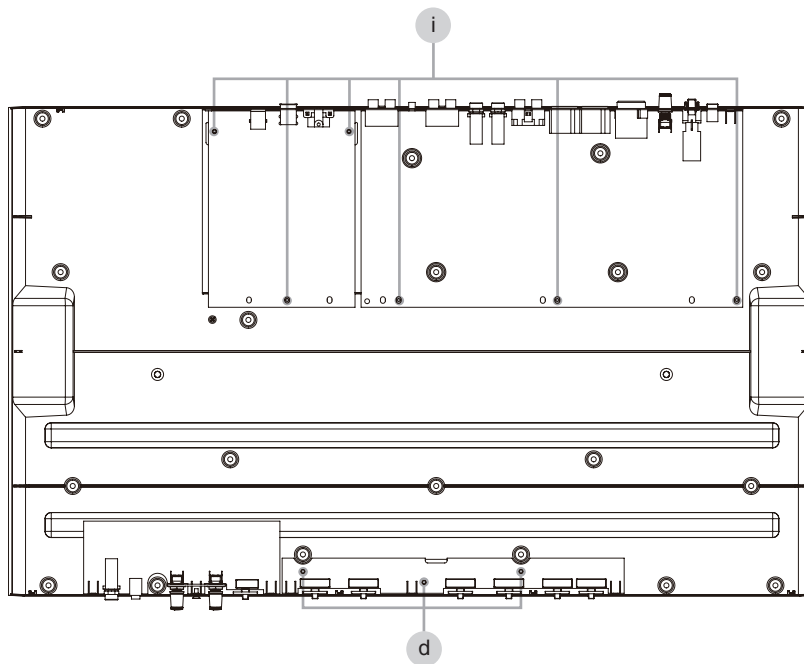
| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|------------|--------------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 17 |
| d | 40237101 | SCREW M3X8 | PAN MACHINE W /SW+SMALL PW BZC | 3 |

Plain View (2)

View 3



View 4



View 3

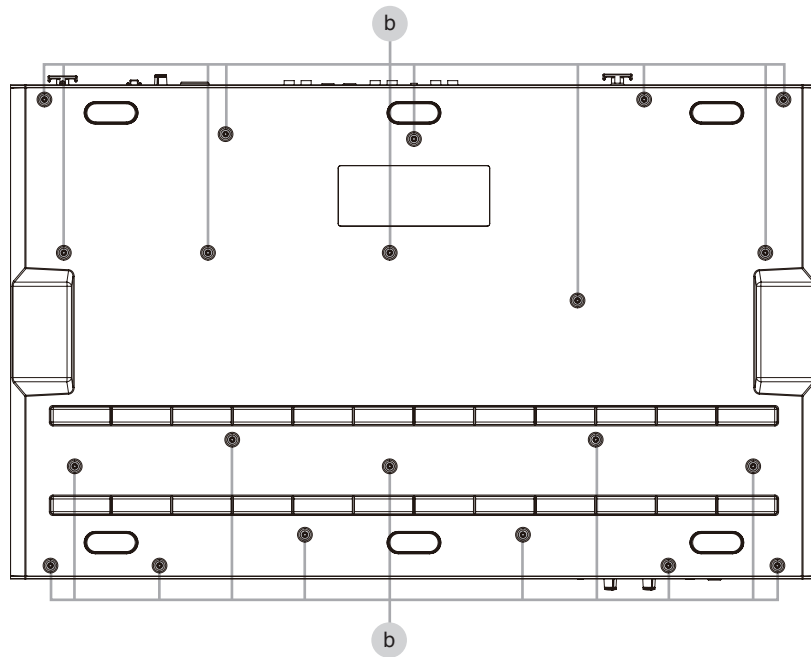
| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|------------|--------------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 10 |
| d | 40237101 | SCREW M3X8 | PAN MACHINE W /SW+SMALL PW BZC | 1 |

View 4

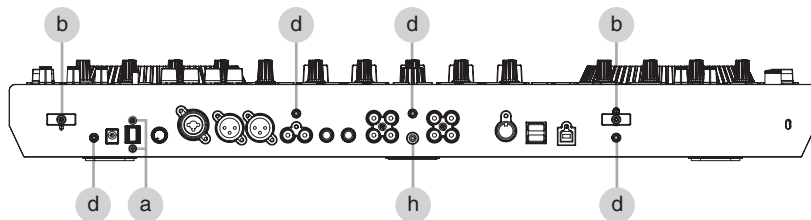
| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|------------|--------------------------------|------|
| d | 40237101 | SCREW M3X8 | PAN MACHINE W /SW+SMALL PW BZC | 3 |
| i | 40011090 | SCREW 3X6 | BINDING TAPTITE B BZC | 6 |

Plain View (3)

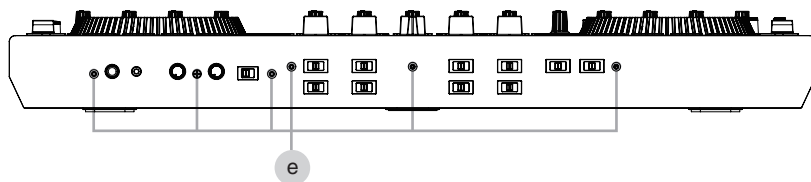
View 5



View 6



View 7



View 5

| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|-----------|--------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 21 |

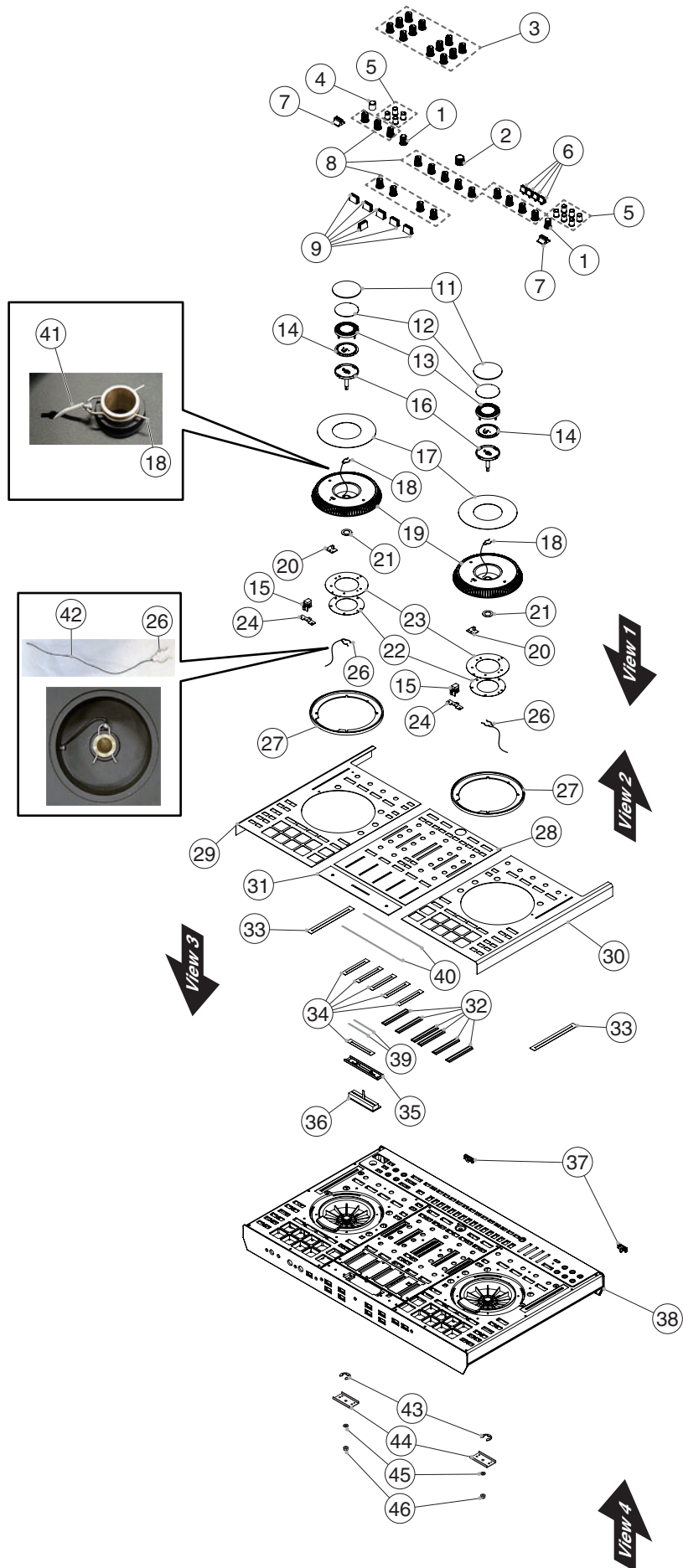
View 6

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|--------------|-------------------------------|------|
| a | 5100052875 | SCREW 2.6X10 | FLAT TAPTITE P BZC | 2 |
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 2 |
| d | 40237101 | SCREW M3X8 | PAN MACHINE W/SW+SMALL PW BZC | 4 |
| h | 5100053890 | SCREW M3X15 | FOR GND | 1 |
| | 5100054060 | PLAIN WASHER | 3X10X1 NI | 1 |

View 7

| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|------------|------------------|------|
| e | 40010512 | SCREW M3X8 | FLAT MACHINE BZC | 6 |

Exploded View (Fig. A)

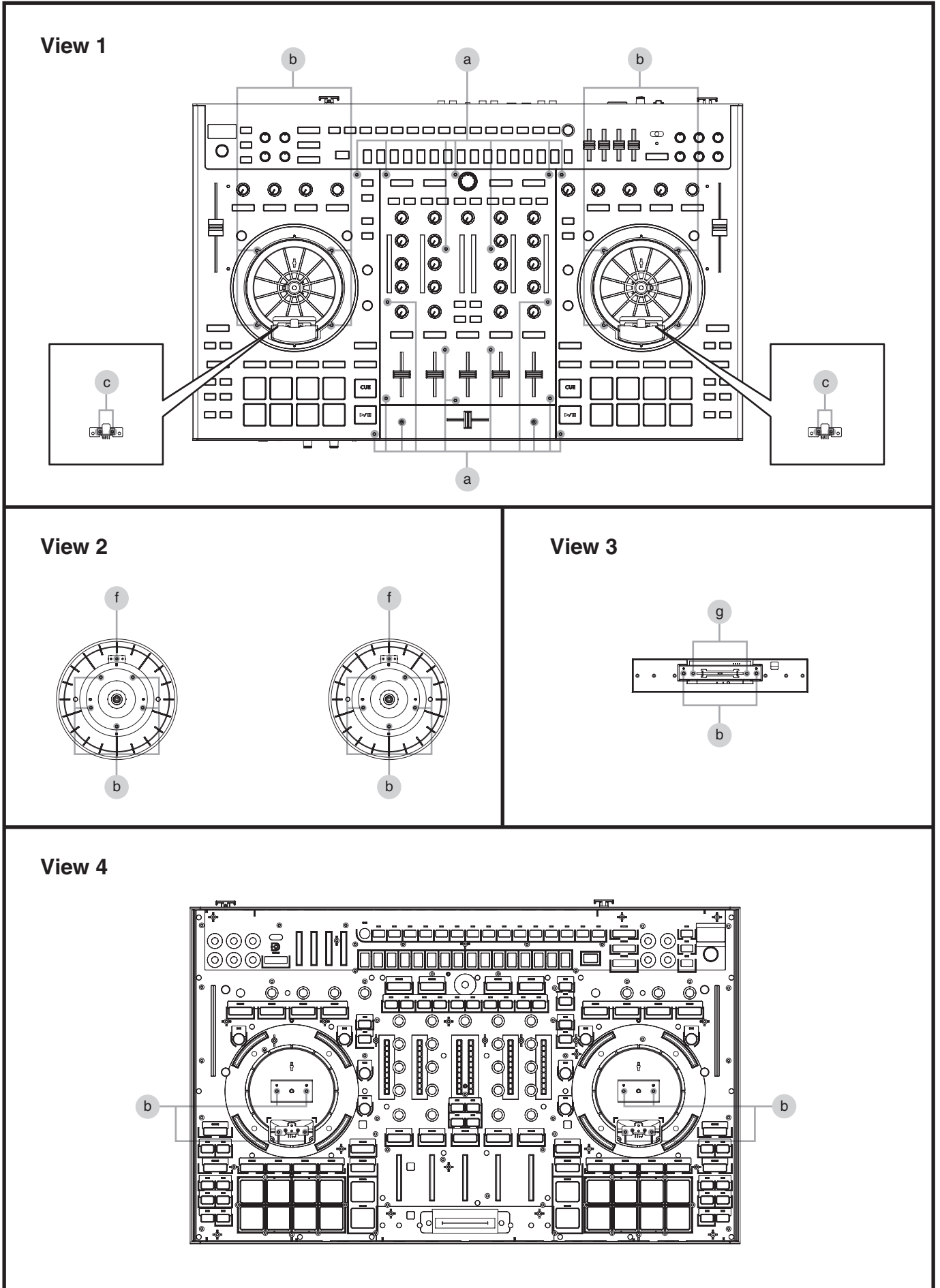


Exploded View Parts List (Fig. A)

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|--|--|------|
| 1 | 5100052448 | J R-KNOB | MF-ELA BLK | 2 |
| 2 | 5100052446 | R-KNOB | KF-ELA BLK | 1 |
| 3 | 5100053558 | J R-KNOB | MF-ELA MCG/LCG | 12 |
| 4 | 5100044342 | M R-KNOB | LF-ELA BLK | 1 |
| 5 | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 10 |
| 6 | 5100037191 | J S-KNOB | M BLK/LCG | 4 |
| 7 | 5100052450 | S-KNOB | BLK | 2 |
| 8 | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 16 |
| 9 | 5100052449 | J S-KNOB | BLK | 6 |
| 11 | 5100052104 | PLATTER COVER | | 2 |
| 12 | 5100052103 | LED SHEET | | 2 |
| 13 | 5100052082 | LED ESCUTCHEON TOP | | 2 |
| | 5100050281 | PANEL L SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 14 | ***** | LED BOARD | C | 1 |
| 15 | ***** | ENCODER BOARD | A | 1 |
| 20 | ***** | LEAF BOARD | B | 1 |
| | ***** | PANEL L BOARD | Refer to Exploded View (1) (p. 12). | 1 |
| | 5100050290 | PANEL R SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 14 | ***** | LED BOARD | The same part as C mentioned above | 1 |
| 15 | ***** | ENCODER BOARD | The same part as A mentioned above | 1 |
| 20 | ***** | LEAF BOARD | The same part as B mentioned above | 1 |
| | ***** | PANEL R BOARD | Refer to Exploded View (1) (p. 12). | 1 |
| 16 | 5100052083 | LED ESCUTCHEON BOTTOM | | 2 |
| 17 | 5100052088 | PLATTER SHEET | | 2 |
| 18 | 5100052115 | CLIP S | | 2 |
| 19 | 5100052081 | PLATTER | | 2 |
| 21 | 5100052105 | PLATTER SPACER | | 2 |
| 22 | 5100052099 | WHEEL PLATE | | 2 |
| 23 | 5100052456 | CODE WHEEL | | 2 |
| 24 | 5100052100 | ENCODER HOLDER | | 2 |
| 26 | 5100052114 | CLIP L | | 2 |
| 27 | 5100052094 | RING | | 2 |
| 28 | 5100052086 | TOP PANEL C | | 1 |
| 29 | 5100052084 | TOP PANEL L | | 1 |
| 30 | 5100052085 | TOP PANEL R | | 1 |
| 31 | 5100052087 | FADER PANEL | | 1 |
| 32 | 5100052102 | LED COVER | | 6 |
| 33 | 5100052454 | DUST COVER L | | 2 |
| 34 | 5100052453 | DUST COVER M | | 6 |
| 35 | 5100052117 | FADER HOLDER | | 1 |
| | 5100050272 | PANEL C SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| 36 | ***** | CROSSFADER BOARD | | 1 |
| | ***** | FRONT L BOARD | Refer to Exploded View (1) (p. 12). | 1 |
| | ***** | FRONT U BOARD | Refer to Exploded View (1) (p. 12). | 1 |
| | ***** | PANEL C BOARD | Refer to Exploded View (1) (p. 12). | 1 |
| 37 | 5100027106 | CORD HOOK | 40516-014 | 2 |
| 38 | 5100051447 | TOP CASE | | 1 |
| 39 | 40122534 | DOUBLE-FACED TAPE | #500 W3MM 20M 136P | - |
| 40 | 40122490 | DOUBLE-FACED TAPE | #500 W5MM 20M 40P | - |
| 41 | 5100052990 | WIRING | J-2 | 2 |
| 42 | 5100052989 | WIRING | J-1 | 2 |
| 43 | 5100052984 | E-RING | 24X12X1 | 2 |
| 44 | 5100052101 | PLATTER ANGLE | | 2 |
| 45 | 5100052983 | PLAIN WASHER | 5X10X1 ZC | 2 |
| 46 | 40129890 | HEX NUT M5 ZC | | 2 |

* When attaching the Top Panel L (29) and the Top Panel R (30) to the Top Case (38), apply a load enough not to peel off even if time has passed. Because especially the area around the buttons and outer circumference are raised easily, press it firmly. A rough indication: apply a load of 2 kg or more per square centimeter for 3 seconds or longer.

Plain View (Fig. A) (1)



View 1

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|--------------|--------------------------|------|
| a | 5100052875 | SCREW 2.6X10 | FLAT TAPTITE P BZC | 18 |
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 8 |
| c | 40235134 | SCREW 2X6 | PAN MACHINE W/SW+PW ZC | 4 |

View 2

| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|-------------|--------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 10 |
| f | 5100038406 | SCREW 2.6X6 | BINDING TAPTITE P BZC | 2 |

View 3

| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|------------|-------------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 2 |
| g | 40342712 | SCREW M3X6 | PAN MACHINE W/SW+SMALL PW BZC | 2 |

View 4

| No. | Part Code | Part Name | Description | Q'ty |
|-----|-----------|-----------|--------------------------|------|
| b | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 8 |

Disassembly Procedure

Detaching the Bottom Case

* Each part number written in parenthesis corresponds to the number in **Exploded View (1)** (p. 12).

1. Remove the screws **b** (x 21) securing the Bottom Case (27). (**Plain View (3)** (p. 16), **View 5**)
2. Detach the Bottom Case.

Detaching the Circuit Board

* Each part number written in parenthesis corresponds to the number in **Exploded View (1)** (p. 12).

1. Remove the screw **h** (x 1), the washers **h** (x 1) and **d** (x 4) securing the PWB Chassis (26) from the rear side. (**Plain View (3)** (p. 16), **View 6**)
2. Remove the screws **b** (x 5) securing the Main Board (13) and the Jack Board (14) to the Bottom Case (27) and remove the screws **b** (x 5) securing the GND wire around these circuit boards. (**Plain View (1)** (p. 14), **View 2**)

3. Lift the PWB Chassis gently and disconnect the connectors around the circuit board.

* The number of pins of CN5, CN6 and CN8 on the Main Board are the same. Correct connections are as shown below. However, the product is not corrupted even if the connections are incorrect because the currents of the same voltage are supplied.

Main Board CN5 -> Panel-R Board CN2

Main Board CN6 -> Panel-C Board CN2

Main Board CN8 -> Panel-L Board CN2

4. Detach the Sub Chassis.

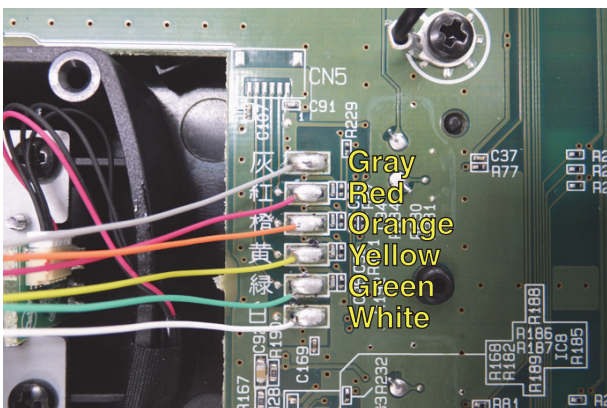
* When detaching the Panel C Board (8), the Panel L Board (9) and the Panel R Board (10), remove the corresponding knobs on the panel, the Front U Board (15), the Front L Board (16) and the Phones Board (17) first.

Detaching the Platter

* Each part number written in parenthesis corresponds to the number in **Exploded View (Fig. A)** (p. 18).

1. Peel off the acetate tape on the wirings coming out from the center of the Platter (19) and soldered to the Panel L and R Board, and then remove the solder.

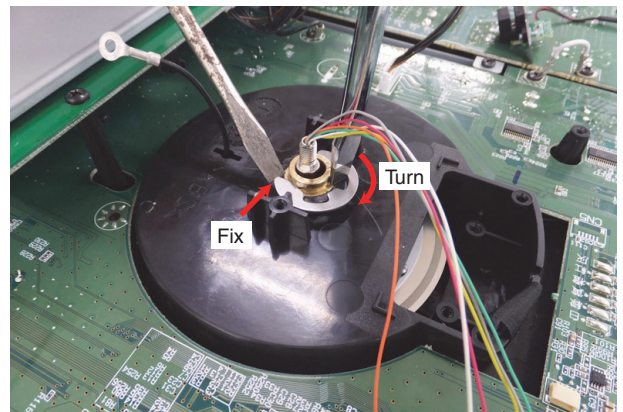
* When assembling, connect (solder) each wirings as shown below.



2. Remove the nut (46), the washer (45) and the screw and remove the Platter Angle (44).
3. Remove the Encoder Board (15) and the Encoder Holder (24).

4. Remove the E-Ring (43).

Fix the edge of the E-Ring with a flathead screwdriver and insert the another flathead screwdriver into the hole of the E-Ring, and turn it 90 degrees (in case of the figure, to the clockwise direction).



Fix the flathead screwdriver that you turned as it is, insert the flathead screwdriver that fixed the edge of the E-Ring into another hole and turn to the opposite direction (in case of the figure, to the counterclockwise direction) to remove.

* If the pipe of the Platter has a large damage, to remove from the Top Case may be difficult. Be careful not to damage it.

* Never reuse the E-Ring which has been removed once, replace it with new one.

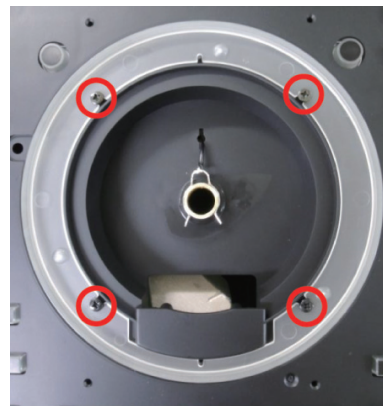
5. Hold down the pip of the Platter and press out toward to the Top Case, then detach it.

Assembling the Platter

* Each part number written in parenthesis corresponds to the number in **Exploded View (Fig. A)** (p. 18).

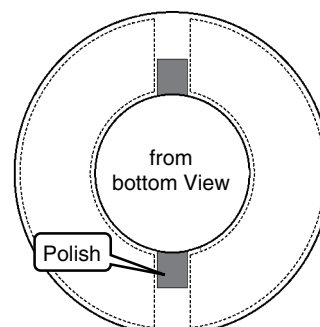
Attaching the Ring

1. Attach the Ring (27) to the Top Case.

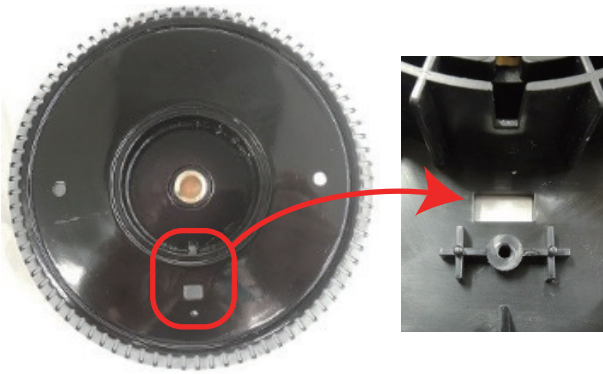


Platter Sheet

2. To keep the conductive property of the Platter Sheet (17), polish lightly a masking area on the back with a sandpaper and remove an oxide film.



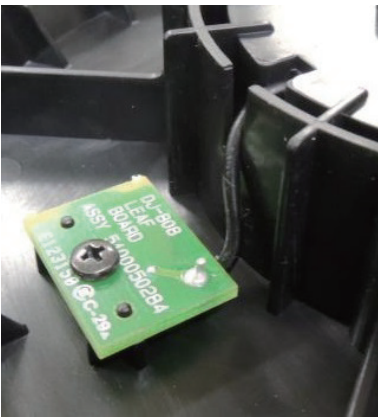
- Affix the Platter Sheet to the Platter (19). At this time, align the masking area of the Patter Sheet with the hole of the Platter.



* When affixing, apply a load enough not to peel off even if time has passed. A rough indication: apply a load of 2 kg or more per square centimeter for 3 seconds or longer.

Attaching the Leaf Board

- Attach the Leaf Board (20) to the Platter.
- * Verify that the Leaf is not deformed.



Attaching the Clip S

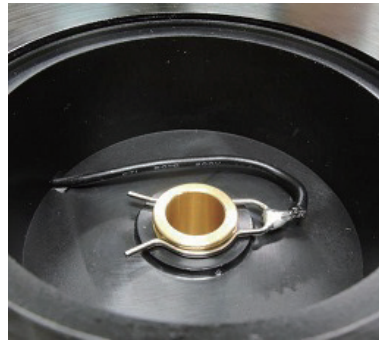
- After passing the Wiring J-2 (41) through the hole of the Platter, solder the Clip S (18) to the tip of the wiring.
- * To avoid the interference with the Platter, orient the Clip S as shown in the figure and solder it.



- Fit the Clip S into the groove of the pipe at the center of the Platter.

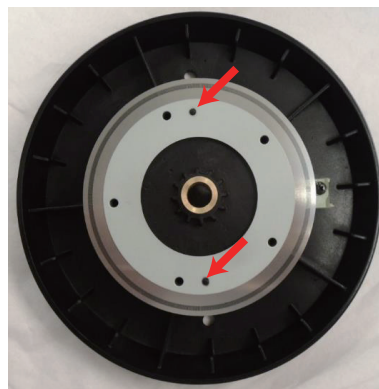


- Turn the Clip S to set the position as shown in the figure.
- * Be careful to ensure that the wiring does not have slack.



Attaching the Code Wheel and the Platter Spacer

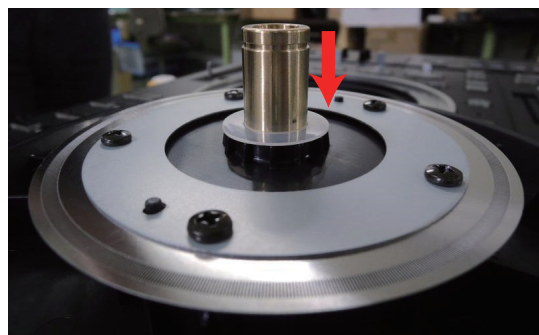
- Align the holes (arrows in the figure) of the Code Wheel (23) with the protrusion on the Platter and place it.



- Place the Wheel Plate (22) and fix it with the screws.

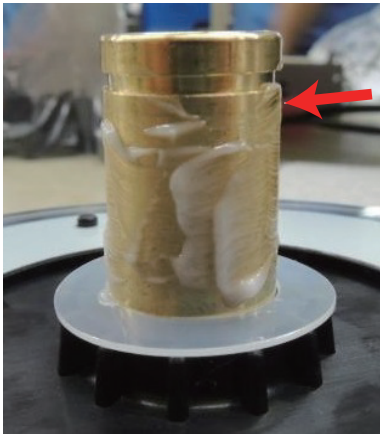


- Pass the Platter Spacer (21) through the pipe of the Platter.

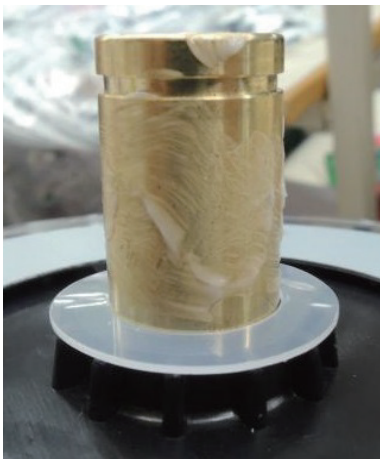


Application of grease

- 11.** Apply grease to the pipe of the Platter.
Apply it to the lower part of the groove (arrows in the figure). As a result of this, grease spreads entirely when assembling. Refer to the following figure for the amount of coating.



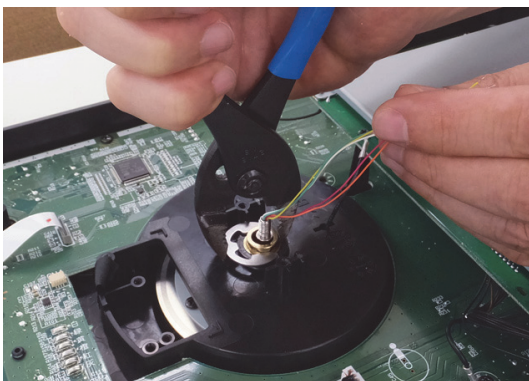
OK



Not enough

Attaching the Platter and the E-Ring

- 12.** Pass the assembled Platter unit through the hole of the Top Case and fit the E-Ring (43) into the groove on the pipe of the Platter.



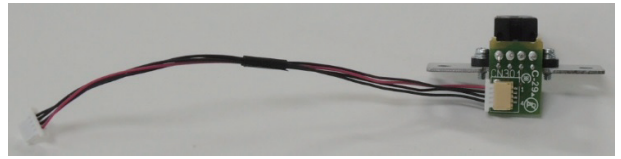
* In the example of this picture, the LED Board is already attached. In this case, be careful not to scratch the wirings.

* Originally, we recommend the following method—grasp the inside of the pipe of the Platter and the E-Ring with needle nose pliers and fit the E-Ring into the groove before attaching the LED Board. This makes the outer surface of the pipe avoid to damage itself.

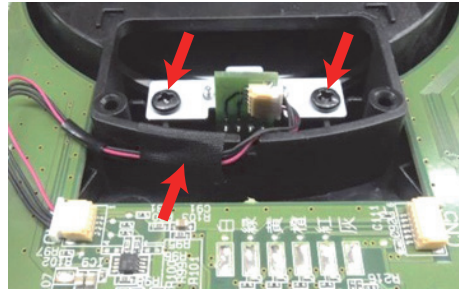
* Never reuse the E-Ring which has been removed once, replace it with new one.

Attaching the Encoder Board

- 13.** Connect the WIRING 3302#32 4X100-SHR-SHR-F (#5100052977) to the Encoder Board (15) and attach it to the Encoder Holder (24).



- 14.** Attach the unit described above to the Top Case and secure the wirings with the acetate tape.

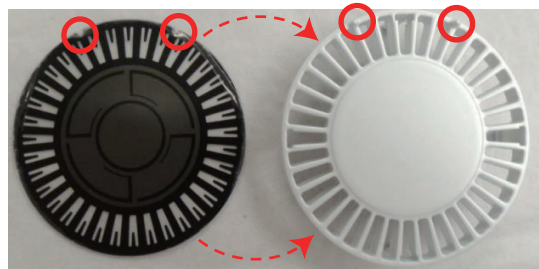


Attaching the LED Board and the LED Escutcheon

- 15.** Paint the protrusions on the Escutcheon Top (13) black with a felt-tip pen.

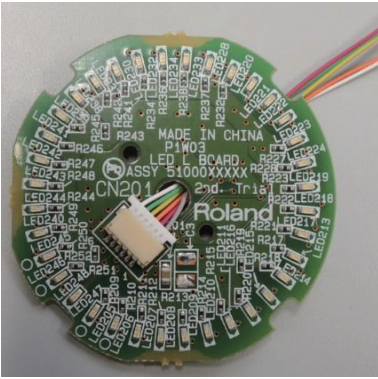


- 16.** Peel off the backing paper of the LED Sheet (12) and align the notches of the LED Sheet to the protrusions on the Escutcheon Top.



- 17.** Peel off the protective sheet on the surface of the LED Sheet.

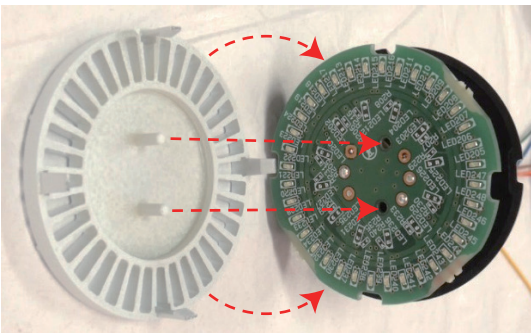
18. Pass the WIRING 3302#32 6X160-SHR (#5100052978) through the hole of the LED Board (14) and connect it to the connector.



19. Pass the wirings described above through the hole of the LED Escutcheon Bottom.



20. Put the LED Board between the LED Escutcheon Top and the LED Escutcheon Bottom and assemble them.



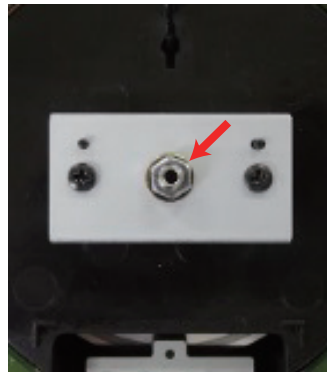
21. Put the unit described above in the center of the Platter from the upper side of the Top Case.



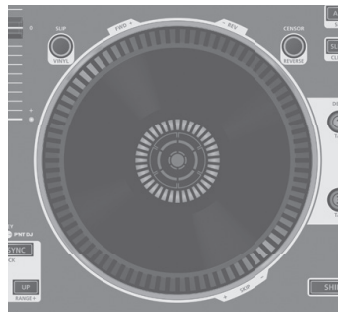
22. Align the holes of the Platter Angle (44) with the protrusions on the Top Case and align the notch of the pipe of the LED Escutcheon Bottom with the notch of the hole of the Platter Angle further and secure it with screws.



23. Secure the pipe of the LED Escutcheon Bottom with the washer (45) and the nut (46).

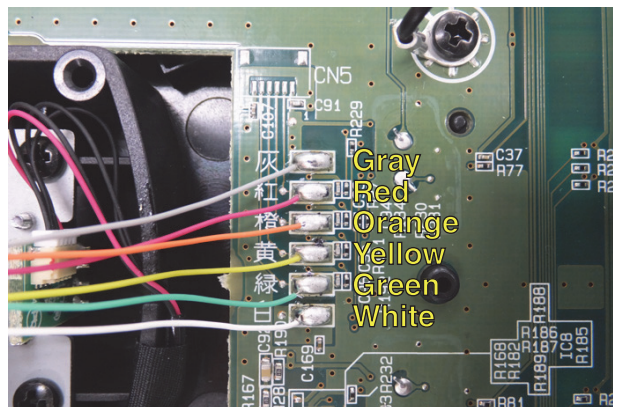


* At this time, align the rotation angle of the Platter Sheet on the surface as shown in the figure and tighten the nut.

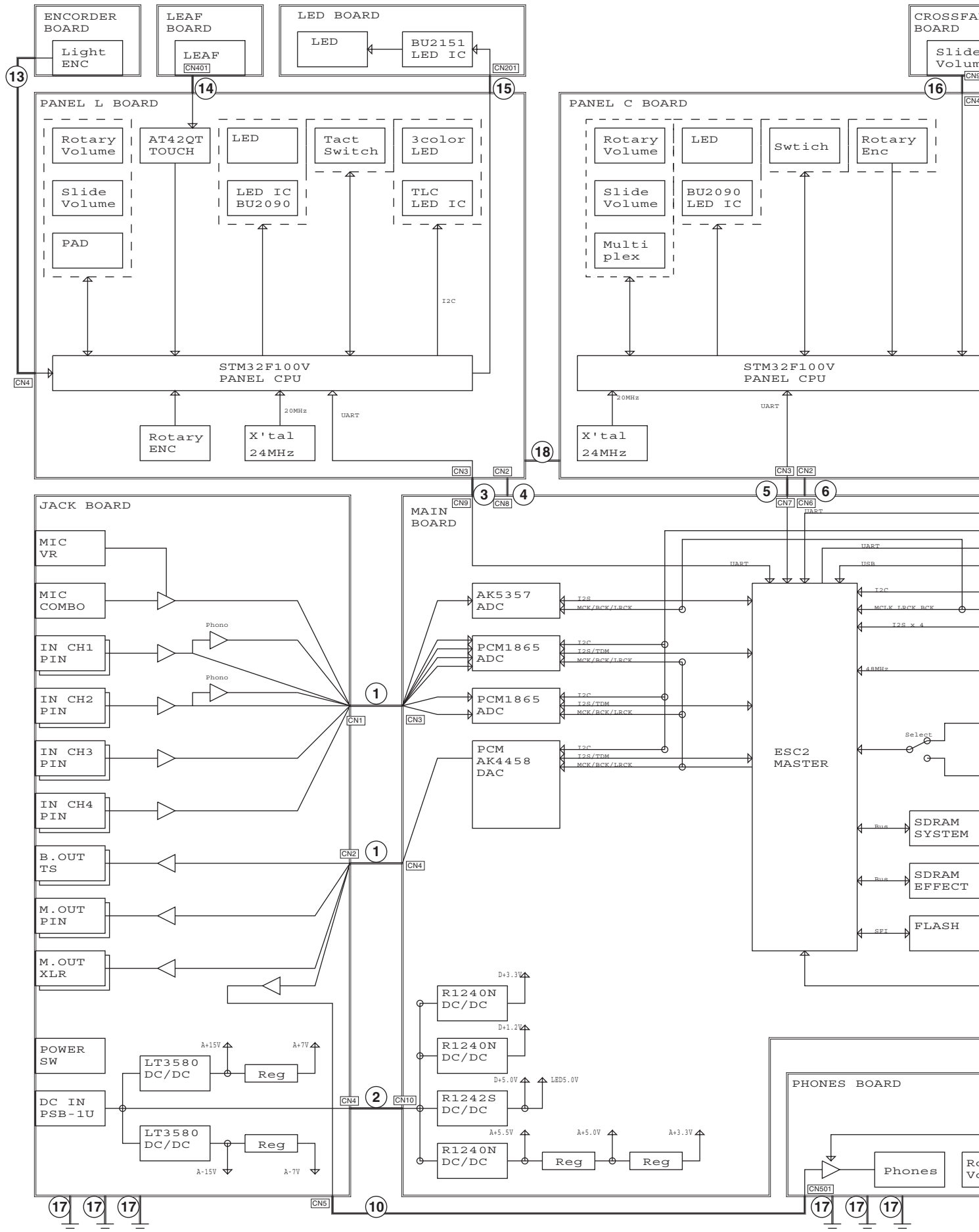


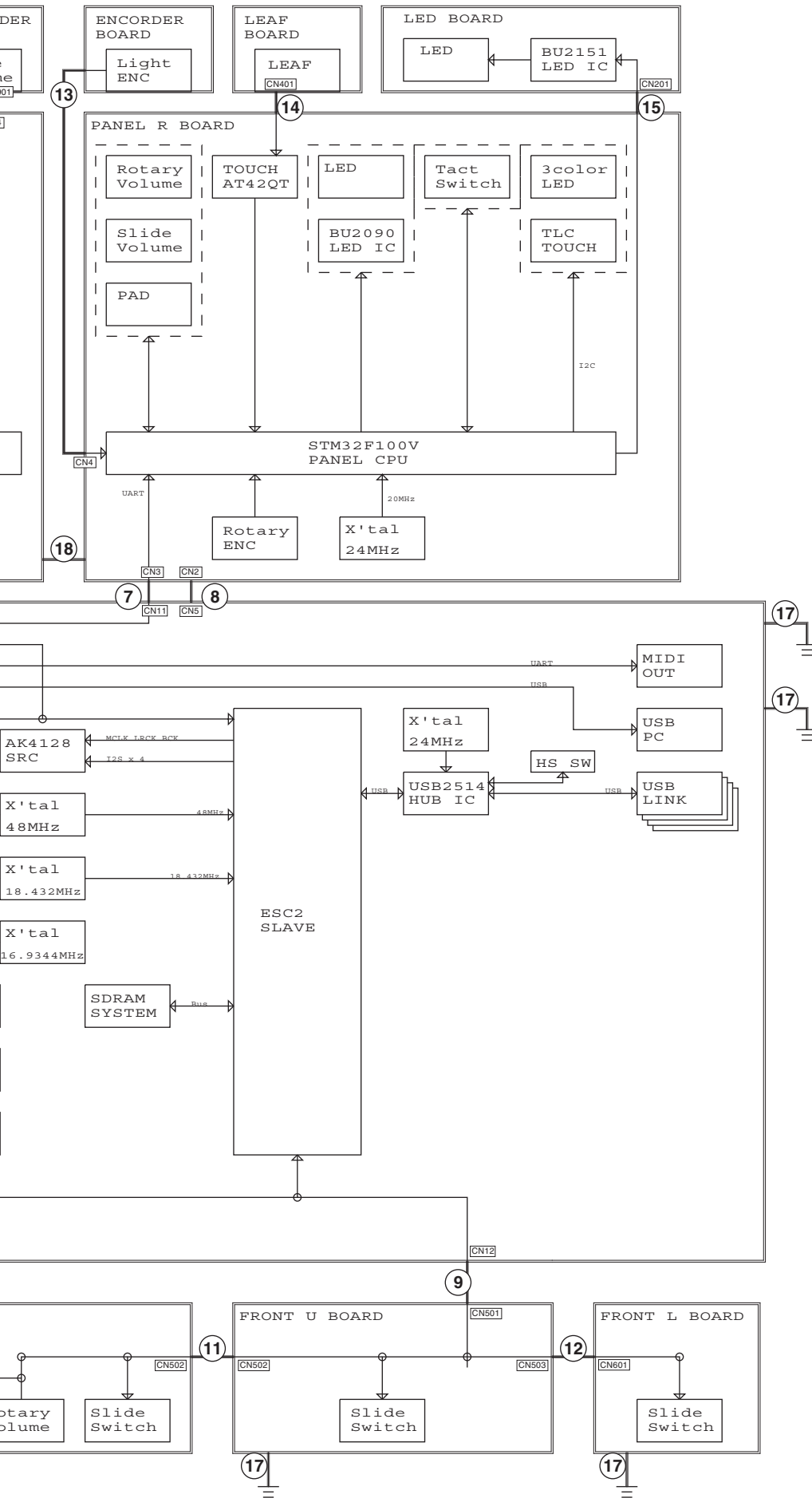
24. Apply the thread-locking fluid to the nut.

25. Solder the wirings as shown in the figure and affix the acetate tape.



Wiring Diagram/Block Diagram





| No. | Part Code | Part Name | Description | Q'ty |
|-----|------------|------------|-------------------------------|------|
| 1 | 5100052976 | WIRING | 1061#28 16X60-PHR-PHR-F | 2 |
| 2 | 5100052973 | WIRING | 1061#28 8X490-PHR-PHR-F | 1 |
| 3 | 5100052985 | FLAT CABLE | SML2CD-8X260-BDX8(BL)-P1.0-S5 | 1 |
| 4 | 5100052970 | WIRING | 1061#28 6X120-PHR-PHR-F | 1 |
| 5 | 5100052987 | FLAT CABLE | SML2CD-12X250-BDX8(BL)-P1.0-S | 1 |
| 6 | 5100052971 | WIRING | 1061#28 6X300-PHR-PHR-F | 1 |
| 7 | 5100052986 | FLAT CABLE | SML2CD-10X600-BDX8(BL)-P1.0-S | 1 |
| 8 | 5100052972 | WIRING | 1061#28 6X400-PHR-PHR-F | 1 |
| 9 | 5100052988 | FLAT CABLE | SML2CD-16X290-BDX8(BL)-P1.0-S | 1 |
| 10 | 5100052975 | WIRING | 1061#28 10X350-PHR-PHR-F | 1 |
| 11 | 5100045471 | WIRING | 1061#28 4X100-PHR-PHR-F | 1 |
| 12 | 5100052974 | WIRING | 1061#28 10X60-PHR-PHR-F | 1 |
| 13 | 5100052977 | WIRING | 3302#32 4X100-SHR-SHR-F | 2 |
| 14 | 5100052989 | WIRING | J-1 | 2 |
| | 5100052990 | WIRING | J-2 | 2 |
| 15 | 5100052978 | WIRING | 3302#32 6X160-SHR | 2 |
| 16 | 5100052979 | WIRING | 1007#22 3X50-XHP-XHP-F | 1 |
| 17 | 05012067 | WIRING | J-1 | 10 |
| 18 | 05012456 | WIRING | J-2 | 2 |

Refer to **Exploded View (Fig. A)** (p. 18).Refer to **Exploded View (Fig. A)** (p. 18).

Parts List

Safety Precautions:

The parts marked Δ have safety-related characteristics. Use only listed parts for replacement.

Due to one or more of the following reasons, parts with parts code ***** cannot be supplied as service parts.

- Supply is prohibited due to copyright restrictions.
- It is carried in electronic data on the Roland web site.
- The part is made to order (at current market price).
- It can be replaced with an article on the market. (battery or etc.)
- It is a package or an accessory irrelevant to the function maintenance of the main body.
- A number of circuit boards are grouped together and supplied as a single circuit board (under a different part code).
- Reissuance is restricted.
- It is supplied as an assembled part (under a different part code).

Note: The parts marked # are new. (initial parts) The description "Q'ty" means a necessary number of the parts per one product.

CASING

| | | | |
|---|------------|---------------|---|
| # | 5100051447 | TOP CASE | 1 |
| # | 5100052084 | TOP PANEL L | 1 |
| # | 5100052086 | TOP PANEL C | 1 |
| # | 5100052085 | TOP PANEL R | 1 |
| # | 5100052087 | FADER PANEL | 1 |
| # | 5100052081 | PLATTER | 2 |
| # | 5100052088 | PLATTER SHEET | 2 |
| # | 5100051448 | BOTTOM CASE | 1 |

CHASSIS

| | | | |
|---|------------|----------------|---|
| # | 5100052100 | ENCODER HOLDER | 2 |
| # | 5100052117 | FADER HOLDER | 1 |
| # | 5100052101 | PLATTER ANGLE | 2 |
| # | 5100052097 | PWB CHASSIS | 1 |
| # | 5100052098 | VOLUME HOLDER | 1 |
| # | 5100052099 | WHEEL PLATE | 2 |

KNOB, BUTTON

| | | | | |
|---|------------|---------------------------|-----------------------|----|
| # | 5100052448 | J R-KNOB | MF-ELA BLK | 2 |
| # | 5100052447 | J R-KNOB | MF-ELA BLK/LCG | 16 |
| # | 5100053558 | J R-KNOB | MF-ELA MCG/LCG | 12 |
| # | 5100052449 | J S-KNOB | BLK | 6 |
| | 5100037191 | J S-KNOB | M BLK/LCG | 4 |
| | 5100044342 | M R-KNOB | LF-ELA BLK | 1 |
| | 5100009822 | M R-KNOB(716-10014-01-00) | MF-ELA-A BLK/LCG | 13 |
| # | 5100052446 | R-KNOB | KF-ELA BLK | 1 |
| # | 5100052450 | S-KNOB | BLK | 2 |
| # | 5100052089 | S-KNOB | | 11 |
| # | 5100052439 | C-KEYTOP | MX1H CLR 1 | 1 |
| # | 5100052440 | C-KEYTOP | MX1H CLR 2 | 1 |
| # | 5100052441 | C-KEYTOP | MX1H CLR 3 | 1 |
| # | 5100052442 | C-KEYTOP | MX1H CLR 4 | 1 |
| # | 5100052443 | C-KEYTOP | MX1H CLR BLK | 4 |
| # | 5100052438 | C-KEYTOP | MX1H CLR CLEAR | 1 |
| | 5100037825 | G S-BUTTON | BLK (710-12058-15-00) | 1 |
| | 5100044011 | KEY CAP | CLR | 17 |
| # | 5100052093 | RUBBER SWITCH | 1P | 1 |
| # | 5100052092 | RUBBER SWITCH | 8P | 2 |
| # | 5100052091 | RUBBER SWITCH | 4X2P | 2 |
| # | 5100052445 | KEYTOP UNIT | CUE & PLAY/PAUSE | 2 |
| # | 5100052430 | S-KEYTOP | LX1H CLR AUTO LOOP | 2 |
| # | 5100052426 | S-KEYTOP | LX1H CLR AUTO PITCH | 1 |
| # | 5100052437 | S-KEYTOP | LX1H CLR CUE | 5 |
| # | 5100052431 | S-KEYTOP | LX1H CLR HOT CUE | 2 |
| # | 5100052429 | S-KEYTOP | LX1H CLR KEY SYNC | 2 |
| # | 5100052436 | S-KEYTOP | LX1H CLR LOAD | 4 |
| # | 5100052428 | S-KEYTOP | LX1H CLR ON | 6 |
| # | 5100052424 | S-KEYTOP | LX1H CLR PATTERN | 1 |
| # | 5100052432 | S-KEYTOP | LX1H CLR ROLL | 2 |
| # | 5100052434 | S-KEYTOP | LX1H CLR SAMPLER | 2 |
| # | 5100052425 | S-KEYTOP | LX1H CLR SHIFT | 3 |
| # | 5100052435 | S-KEYTOP | LX1H CLR SYNC | 2 |
| # | 5100052427 | S-KEYTOP | LX1H CLR TAP | 2 |
| # | 5100052433 | S-KEYTOP | LX1H CLR TR | 2 |
| # | 5100052423 | S-KEYTOP | LX1H CLR TR-REC | 1 |
| # | 5100052400 | S-KEYTOP | SX1H CLR ACC | 1 |
| # | 5100052397 | S-KEYTOP | SX1H CLR ADJ | 2 |
| # | 5100052393 | S-KEYTOP | SX1H CLR PANEL | 1 |
| # | 5100052395 | S-KEYTOP | SX1H CLR Q | 1 |
| # | 5100052394 | S-KEYTOP | SX1H CLR SCALE | 1 |
| # | 5100052396 | S-KEYTOP | SX1H CLR SHUFFLE | 1 |
| # | 5100052399 | S-KEYTOP | SX1H CLR SLIDE | 2 |
| # | 5100052398 | S-KEYTOP | SX1H CLR SYNC | 1 |
| # | 5100052418 | S-KEYTOP | SX2H CLR -/+ | 2 |

| KNOB, BUTTON | | | | |
|--------------------|------------|--|------------------------------------|-----|
| # | 5100052416 | S-KEYTOP | SX2H CLR 1/2X-2X | 2 |
| # | 5100052410 | S-KEYTOP | SX2H CLR 1-2 | 6 |
| # | 5100052411 | S-KEYTOP | SX2H CLR 3-4 | 1 |
| # | 5100052412 | S-KEYTOP | SX2H CLR 5-6 | 1 |
| # | 5100052413 | S-KEYTOP | SX2H CLR 7-8 | 1 |
| # | 5100052421 | S-KEYTOP | SX2H CLR BD-SD | 1 |
| # | 5100052414 | S-KEYTOP | SX2H CLR BLK-BLK | 1 |
| # | 5100052422 | S-KEYTOP | SX2H CLR CH-OH | 1 |
| # | 5100052415 | S-KEYTOP | SX2H CLR DOWN-UP | 2 |
| # | 5100052419 | S-KEYTOP | SX2H CLR DUB ECHO-JET | 1 |
| # | 5100052417 | S-KEYTOP | SX2H CLR IN-OUT | 2 |
| # | 5100052420 | S-KEYTOP | SX2H CLR NOISE-FILTER | 1 |
| SWITCH | | | | |
| | 04904123 | PUSH SWITCH AC POWER SUPPLY | 400-07040-01-00(PWL-2P2T-6SBP | 1 |
| # | 5100047832 | SWITCH | SL10020F-0203-15PA-SN | 1 |
| # | 5100051488 | SWITCH | SKV-23F01-G6-TA | 10 |
| # | 5100051485 | SWITCH | SKV-22F01-G6-TA | 1 |
| | 02891789 | TACT SWITCH | SKRGADD010 H=5.0 | 104 |
| JACK, EXT TERMINAL | | | | |
| | 02456390 | 3.5MM JACK | STEREO YKB21-5290 | 1 |
| | 13449275 | 6.5MM JACK | YKB21-5074 | 3 |
| | 5100030795 | CANNON CONNECTOR | CT3-05M-01-EP(F3439960R0) | 2 |
| | 5100013062 | CANNON CONNECTOR | CT/PJ-02-07EP | 1 |
| | 02341634 | DC JACK HTJ-020-05A | | 1 |
| | 03345778 | JACK | YKC21-3473 | 2 |
| | 13429672 | MIDI JACK | YKF51-5047 | 1 |
| | 03234590 | RCA(PIN) JACK | YKC21-3503 | 1 |
| | 5100007091 | USB CONNECTOR | UAR62-8K5J00(F3439907R0) | 1 |
| | 02781101 | USB CONNECTOR B TYPE FEMALE | YKF45-0020N | 1 |
| PWB ASSY | | | | |
| # | 5100050270 | MAIN BOARD ASSY | | 1 |
| # | 5100050265 | JACK SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| | ***** | JACK BOARD | | 1 |
| | ***** | PHONES BOARD | | 1 |
| # | 5100050272 | PANEL C SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| | ***** | CROSSFADER BOARD | | 1 |
| | ***** | FRONT L BOARD | | 1 |
| | ***** | FRONT U BOARD | | 1 |
| | ***** | PANEL C BOARD | | 1 |
| # | 5100050281 | PANEL L SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| | ***** | ENCODER BOARD | A | 1 |
| | ***** | LEAF BOARD | B | 1 |
| | ***** | LED BOARD | C | 1 |
| | ***** | PANEL L BOARD | | 1 |
| # | 5100050290 | PANEL R SHEET ASSY | | 1 |
| | | <i>* This unit includes the following parts.</i> | | |
| | ***** | ENCODER BOARD | The same part as A mentioned above | 1 |
| | ***** | LEAF BOARD | The same part as B mentioned above | 1 |
| | ***** | LED BOARD | The same part as C mentioned above | 1 |
| | ***** | PANEL R BOARD | | 1 |
| DIODE | | | | |
| | 5100036722 | LED | A-364SRD | 1 |
| POTENTIOMETER | | | | |
| | 02125778 | 9M/M ROTARY POTENTIOMETER | RK09L12B0 | 1 |
| | 13289231 | POTENTIOMETER | RK09L1120A14 | 1 |
| | 5100041032 | ROTARY POTENTIOMETER | XV09223NPV25F972Z10K/I | 6 |
| | 5100041031 | ROTARY POTENTIOMETER | XV09223NPV25F972Z10KCC/I | 4 |
| | 03560512 | ROTARY POTENTIOMETER | RK09L112003P | 1 |
| # | 5100048076 | ROTARY POTENTIOMETER | RK09L114001T | 16 |
| # | 5100048077 | ROTARY POTENTIOMETER | RK09L1140A2U | 12 |
| # | 5100052310 | SLIDE POTENTIOMETER | C3080G1AV1B103BF10BF | 4 |
| # | 5100052877 | SLIDE POTENTIOMETER | C4591NOFV1B103BL0021 | 5 |
| # | 5100047833 | SLIDE POTENTIOMETER | RA45D1LF-211-20C1-B10K | 1 |
| # | 5100052775 | SLIDE POTENTIOMETER | RFA0N12K6505 | 2 |

| ENCODER | | | | |
|---------------|------------|----------------------------|-------------------------------|----|
| | 5100038727 | ENCODER | RE111F-41B3-15F-20P-105 | 3 |
| # | 5100051141 | ENCODER | XRE0125PVB20FINB1-2-24PCE/I | 1 |
| WIRING, CABLE | | | | |
| # | 5100052986 | FLAT CABLE | SML2CD-10X600-BDX8(BL)-P1.0-S | 1 |
| # | 5100052987 | FLAT CABLE | SML2CD-12X250-BDX8(BL)-P1.0-S | 1 |
| # | 5100052988 | FLAT CABLE | SML2CD-16X290-BDX8(BL)-P1.0-S | 1 |
| # | 5100052985 | FLAT CABLE | SML2CD-8X260-BDX8(BL)-P1.0-S5 | 1 |
| # | 5100052989 | WIRING | J-1 | 2 |
| | 05012067 | WIRING | J-1 | 10 |
| # | 5100052990 | WIRING | J-2 | 2 |
| | 05012456 | WIRING | J-2 | 2 |
| # | 5100052979 | WIRING | 1007#22 3X50-XHP-XHP-F | 1 |
| | 5100045471 | WIRING | 1061#28 4X100-PHR-PHR-F | 1 |
| # | 5100052970 | WIRING | 1061#28 6X120-PHR-PHR-F | 1 |
| # | 5100052971 | WIRING | 1061#28 6X300-PHR-PHR-F | 1 |
| # | 5100052972 | WIRING | 1061#28 6X400-PHR-PHR-F | 1 |
| # | 5100052973 | WIRING | 1061#28 8X490-PHR-PHR-F | 1 |
| # | 5100052974 | WIRING | 1061#28 10X60-PHR-PHR-F | 1 |
| # | 5100052975 | WIRING | 1061#28 10X350-PHR-PHR-F | 1 |
| # | 5100052976 | WIRING | 1061#28 16X60-PHR-PHR-F | 2 |
| # | 5100052977 | WIRING | 3302#32 4X100-SHR-SHR-F | 2 |
| # | 5100052978 | WIRING | 3302#32 6X160-SHR | 2 |
| SCREWS | | | | |
| | 40342712 | SCREW M3X6 | PAN MACHINE W/SW+SMALL PW BZC | 2 |
| | 40237101 | SCREW M3X8 | PAN MACHINE W/SW+SMALL PW BZC | 11 |
| | 40010512 | SCREW M3X8 | FLAT MACHINE BZC | 6 |
| # | 5100053890 | SCREW M3X15 | FOR GND | 1 |
| | 40235134 | SCREW 2X6 | PAN MACHINE W/SW+PW ZC | 4 |
| | 5100038406 | SCREW 2.6X6 | BINDING TAPTITE P BZC | 2 |
| # | 5100052875 | SCREW 2.6X10 | FLAT TAPTITE P BZC | 4 |
| | 40011090 | SCREW 3X6 | BINDING TAPTITE B BZC | 6 |
| | 40011312 | SCREW 3X8 | BINDING TAPTITE P FE BZC | 13 |
| | 02124112 | STANDOFF M3 | L16C | 3 |
| | 40129890 | HEX NUT M5 ZC | | 2 |
| # | 5100054060 | PLAIN WASHER | 3X10X1 NI | 1 |
| # | 5100052983 | PLAIN WASHER | 5X10X1 ZC | 2 |
| MISCELLANEOUS | | | | |
| # | 5100052104 | PLATTER COVER | | 2 |
| # | 5100052105 | PLATTER SPACER | | 2 |
| # | 5100052116 | 7SEG COVER | | 1 |
| # | 5100052102 | LED COVER | | 6 |
| # | 5100052456 | CODE WHEEL | | 2 |
| | 5100027106 | CORD HOOK | 40516-014 | 2 |
| # | 5100052454 | DUST COVER L | | 2 |
| # | 5100052453 | DUST COVER M | | 6 |
| # | 5100052452 | DUST COVER S | | 1 |
| # | 5100052118 | FOOT | | 6 |
| # | 5100051167 | LEAF SPRING | | 4 |
| # | 5100052082 | LED ESCUTCHEON TOP | | 2 |
| # | 5100052083 | LED ESCUTCHEON BOTTOM | | 2 |
| # | 5100052451 | POWER SWITCH ESCUTCHEON | | 1 |
| # | 5100052095 | LED LENS A | | 1 |
| # | 5100052096 | LED LENS B | | 4 |
| # | 5100052103 | LED SHEET | | 2 |
| # | 5100052455 | SHIELD SHEET | | 1 |
| # | 5100052090 | PRESSURE SHEET SENSOR | | 2 |
| | 40016534 | INSULOK TIE 204M/M | T-18L | 3 |
| | 40120967 | COATING CLIP | CS-3 | 1 |
| # | 5100052114 | CLIP L | | 2 |
| # | 5100052115 | CLIP S | | 2 |
| # | 5100052984 | E-RING | 24X12X1 | 2 |
| # | 5100052094 | RING | | 2 |
| | 5100003695 | TERMINAL | PCB-12 | 7 |
| | 40122812 | ACETATE TAPE | NITTO #5 BLACK W15MM 30M | - |
| | 40122534 | DOUBLE-FACED TAPE | #500 W3MM 20M 136P | - |
| | 40122490 | DOUBLE-FACED TAPE | #500 W5MM 20M 40P | - |
| | 40122556 | DOUBLE FACED ADHESIVE TAPE | #575X W30MM 30M 10P 30CM | - |
| # | 17042053 | GREASE | FLOIL G-4HD (#5100053777) | - |

ACCESSORIES (Standard)

| | | | | | |
|---|------------|----------------------------|-----------------------------|---------------------|---|
| | 04236101 | AC ADAPTOR WITHOUT AC CORD | PSB-1U(S) UNIVERSAL | | 1 |
| | 5100048283 | AC CORD SET | 100V EYEGLASS ARK-VFF 1.0M | for 100V | 1 |
| | 5100012293 | AC CORD SET | 117VBL 1.0M FOR PSB | for 117VBL | 1 |
| | 5100000692 | AC CORD SET | 117V U 1.0M | for 117VU, 117VU/CS | 1 |
| | 5100000564 | AC CORD (CCC) 220V CN | 452-04038-02-01 | for 220VCNR | 1 |
| | 5100039367 | AC CORD | SP021A+IS037 220VK 2.5M 2P | for 220VK | 1 |
| | 5100018086 | AC CORD SET | 230VE 1.0M FOR EPS | for 230VE | 1 |
| | 05017301 | AC CORD SET | 230V 1.0M FOR EU | for 230VEU | 1 |
| | 5100029122 | AC CORD SET | 240V 1.0M FOR PSB | for 240VA | 1 |
| | 5100009897 | USB CABLE | 1.5M BLACK(452-04037-01-00) | | 1 |
| # | 5100051467 | OWNER'S MANUAL | MULTILANGUAGE | | 1 |

The locations of the buttons using the operation

The top panel is separated in the following sections. The locations of the controls to be used in the following operation are described using this section name. For example, **CLEAR** in the TR-S section is on **16** in the TR-S section at the upper area on the panel.



- | | |
|-------------------|------------------|
| ① Browser section | ④ Effect section |
| ② Deck section | ⑤ TR-S section |
| ③ Mixer section | ⑥ VT section |

Verifying the Version

1. Hold down **PANEL** (at the upper right of the left deck section) and press **POWER**.
The power comes on and **START/STOP** (TR-S section) flashes, and the version is displayed on the 7-segment LED display.
2. Turn off the power.


Data Backup and Restore Operations

Backing Up Pattern and Inst

Items Required

- Computer
- USB cable

Procedure

1. Hold down **1** located to the right of **START/STOP** and turn on the power.
2. When **1** through **16** and the pad in the deck section light up, release your finger.
3. Using the USB cable, connect the computer to the  connector.
The **DJ-808** drive appears on the computer's screen.
4. Open the **BACKUP** folder on the **DJ-808** drive.
5. Copy all files in the **BACKUP** folder to the computer.
6. Eject the **DJ-808** drive and disconnect the USB cable.
7. Turn off the power.

Backing Up System Settings

Follow the procedure below to write down on a piece of paper.

1. Hold down **PANEL** (at the upper right of the left deck section) and press **POWER**.
The power comes on and **START/STOP** flashes, and the version is displayed on the 7-segment LED display.
2. Press **1** located to the right of **START/STOP**.
3. The setting value of the sampling rate is displayed on the 7-segment LED display. Write down on a piece of paper.


4. In the same way, press the pad or button in the table below and write down the setting values of the corresponding parameter.

| Pad/button | | Parameter | Setting values (bold: initial value) |
|--------------|-------------------------------|-------------|--|
| TR-S section | Pads (Right of START/STOP) | 1 | Sampling rates 44.1, 48 , 96 (kHz) |
| | | 2 | Attenuator levels of the master output 0 , -3, -6, -12 and -18 (dB) |
| | | 3 | Maximum values of EQ ([HI]/[MID]/[LOW] knob) 6 db , 12 db |
| | | 4 | Characteristics of the cross fader Linear , Power |
| | | 5 | Velocity curves of the performance pad Low, Mid , Hi |
| | | 6 | SYNC mode settings On , OFF |
| | | 7 | Margin of the cross fader at each end 0, 1 through 10 |
| | | 8 | BOOTH OUT jack settings On, OFF |
| | | 9 | Low cut filter settings of the mic audio Off, 1 through 10 |
| | | 10 | Noise gate settings of the mic audio Off, 1, 2 through 10 |
| | | 11 | Illuminated modes of the jog dial 0, 1 |
| | | 12 | Replacement of the channel On, OFF |
| | | 13 | Input mode of TR-REC 808 , 909 |
| | | 14 | Time settings of the demonstration mode Off, 1 through 10 through 30 |
| | | 15 | Auto Off function settings On , OFF |
| | | 16 | Knob modes of the TRS section Pick, Jump |
| | SERATO SAMPLER | 1 through 5 | Coloration of the pad 1 through 5 (5 types)* |
| VT section | | AUTO PITCH | Level adjustments at button ducking -6, -12, -18 , -24 and InF (dB) |

* The setting value of the pad coloration is different from other parameters, setting value does not appear on the 7-segment LED display. One of the **1** through **5** of **SERATO SAMPLER** (TR-S section) lights up to display the setting value. Write down the number of the lighting button.

5. Turn off the power.

Restoring Pattern and Inst

- Hold down **1** located to the right of **START/STOP** and turn on the power.
- When **1** through **16** and the pads in the deck section light up, release your finger.
- Using the USB cable, connect the computer to the  connector. The **DJ-808** drive appears on the computer's screen.
- Open the **RESTORE** folder on the **DJ-808** drive.
- Copy the all files which have been backed up to the **RESTORE** folder.
- Eject the **DJ-808** drive and disconnect the USB cable. **1** through **16** and the pads in the deck section flash.
- After flashing changes to green lighting, turn off the power.

Restoring System Settings


- Hold down **PANEL** (at the upper right of the left deck section) and press **POWER**.
The power comes on and **START/STOP** flashes, and the version is displayed on the 7-segment LED display.
 - Press **1** located to the right of **START/STOP**.
 - Turn the **VALUE** knob (TR-S section) and set the value that you noted down earlier.
 - Refer to the table described above and set other parameters in the same way.
- * For setting coloration of the pads, press the button corresponding to the number within **1** through **5** of **SERATO SAMPLER** that you noted down earlier.
- Press **START/STOP**.
After a short interval, the unit returns to the normal mode.

Updating the System

Items Required

- Computer
- USB cable
- Update program (obtained via Service Net)

Procedure

- Hold down **CLEAR** (upper part of **16** in the TR-S section) and turn on the power.
UPdt appears on the 7-segment LED display.
 - Connect the computer to the  connector.
The **DJ-808** drive appears on the computer's screen.
 - Copy the following files in the update program to the root folder of the **DJ-808** drive.
 - DJ808_ROM.BIN
 - ROMINFO.TXT
 - ROMSUM.TXT
 - Eject the **DJ-808** drive and disconnect the USB cable.
 - Press **CLEAR**.
The update starts.
 - When **Fin** appears on the 7-segment LED display, reset the power.
When startup finishes, the update has finished.
- * When the Panel CPU is updated, the startup finishes after **CLEAR** flashes rapidly for a short interval. When the Panel CPU is not updated, the startup finishes in a short time.
- After turning off the power, follow the procedure in **Performing a Factory Reset** (p. 35) to execute a factory reset.

Performing a Factory Reset

1. Hold down **BACK** (browser section) and turn on the power. **rSt** appears on the 7-segment LED display and **START/STOP** flashes.
2. To execute the factory reset, press **START/STOP**. To cancel it, turn off the power. Pressing **START/STOP** begins the factory reset. When **OK** is displayed on the 7-segment LED display, the factory reset has finished.
3. Turn off the power.

Test Mode

Items Required

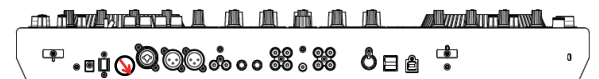
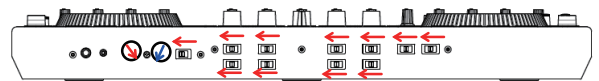
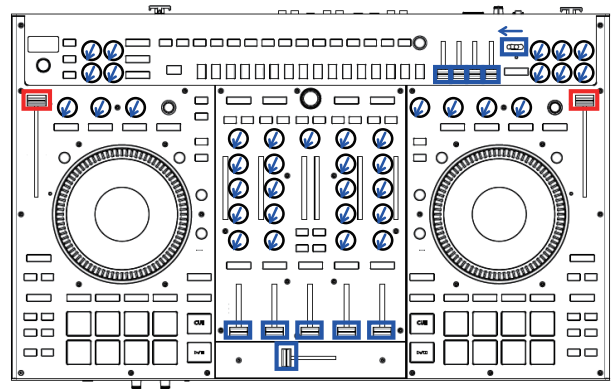
- Computer
- * To execute **11. AUDIO Check (t-11)** (p. 37), the following conditions must be satisfied.
CPU: Intel Core i3, i5 or i7
RAM: 4 GB or larger
- TB-3
- Noise meter
- USB cable
- MIDI cable
- Audio cable (RCA phono/RCA phono)
- Audio cable (XLR/XLR)
- Audio cable (TRS/RCA phono)
- Audio cable (XLR/RCA phono)
- DJ-808 driver
- * Obtain this from one of the following web pages, and install it on the computer described above.
<http://www.roland.co.jp/>
<http://www.roland.com/>
- Audacity
- * Obtain this from Service Information No.104540a and install it on the computer described above.

Test Items

1. **Version Check (t-1)** (p. 36)
2. **Device Check (t-2)** (p. 36)
3. **USB HOST Check (t-3)** (p. 36)
4. **MIDI Check (t-4)** (p. 36)
5. **LED Check (t-5)** (p. 36)
6. **PAD with 3 color LED Check (t-6)** (p. 36)
7. **ENCORDER Check (t-7)** (p. 36)
8. **PLATTER Check (t-8)** (p. 37)
9. **SLIDE VR Check (t-9)** (p. 37)
10. **ROTARY VR Check (t-10)** (p. 37)
11. **AUDIO Check (t-11)** (p. 37)
12. **FACTORY RESET (t-12)** (p. 39)
13. **ERP Check** (p. 39)

Entering the Test Mode

1. Set each knob and switch as shown in the figure.



2. Hold down **14** and **16** (TR-S section) and turn on the power. **t-1** appears on the 7-segment LED display and **START/STOP** flashes, then the unit enters the test item select menu.

Selecting and Executing Test Items

1. In the test item select menu, turn the **VALUE** knob (at the left end of TR-S section) or press one of **1** through **12** to select a test item (**t-1** through **t-12**).
* **13. ERP Check** can not be selected. After executing **12. FACTORY RESET (t-12)**, **13. ERP Check** (p. 39) is executed automatically.
2. Press **START/STOP**.
The selected test item is executed.

Quitting the Test Mode

While each test item is in progress, hold down **CLEAR** (upper part of **16** in the TR-S section) and turning the **VALUE** knob returns the unit to the test item select menu.

To quit the test-mode completely, turn off the power.


1. Version Check (t-1)

The version appears on the 7-segment LED display.

* For example: when the version is 1.03, **103** is displayed.


Press **START/STOP** to advance to the next test item.

2. Device Check (t-2)

* Before entering this test item, connect the computer to the  connector.

The operations of the following devices are checked automatically, and if all are **OK**, execution automatically advances to the next test item. If the result is not **OK**, the error number appears on the 7-segment LED display.

| Error number | Tested device |
|--------------|---------------------|
| 1 | SERIAL ROM |
| 2 | MASTER SYSTEM SDRAM |
| 3 | MASTER EFFECT SDRAM |
| 4 | SLAVE SYSTEM SDRAM |
| 5 | USB DEVICE |

* If **nG 5** appears, there is a problem with USB DEVICE. In this case, check first whether the  connector is connected to the computer correctly.

Press **START/STOP** to advance to the next test item.

3. USB HOST Check (t-3)

USB3 appears on the 7-segment LED display.

1. Connect the TB-3 to the **USB HOST 3** connector.
The reading on the 7-segment LED display changes to **USB4**.
2. Connect the TB-3 to the **USB HOST 4** connector.
START/STOP flashes.
3. Before entering the next test item, leave the TB-3 connected to the **USB HOST 4** connector and connect the MIDI IN connector of the TB-3 to the **MIDI OUT** connector.
4. Press **START/STOP** to advance to the next test item.

4. MIDI Check (t-4)

* Before entering this test item, Connect the TB-3 to the **USB HOST 4** connector and connect the MIDI IN connector of the TB-3 to the **MIDI OUT** connector.

1. Verify that the LEDs of the TB-3 flash or sound is heard from the **PHONES** jack on the TB-3.
2. Detach the TB-3.
3. Press **START/STOP** to advance to the next test item.

5. LED Check (t-5)

All buttons, LEDs and segments of the 7-segment LED display light up.

1. Press **START/STOP**.
All buttons, LEDs and segments of the 7-segment LED display go dark.
2. Press **START/STOP**.
SCALE at the upper left of the TR-S section lights up.
3. Press the lighting button in sequence.
 - * Buttons with 3 color LEDs (the following three types) are not necessary to press. (no light up.)
 - **START/STOP** and **1** through **16** in the TR-S section
 - Buttons in front of the left and right platters (turntables) (each 4 for left and right)
 - Pads (each 8 for left and right)

When all lighted buttons have been pressed, **1** through **11** light up.

4. Switch the slide switches on the front panel to left, right and then left in sequence from the left.
The color of the corresponding button of **1** through **16** changes from white to blue.
When all slide switches have been switched, the **PEAK** LED in the VT section lights up.
5. Move the lever switch in back of the **PEAK** LED to left, center, right, center and then left.
OK appears on the 7-segment LED display and **START/STOP** flashes.
6. Press **START/STOP** to advance to the next test item.

6. PAD with 3 color LED Check (t-6)

All buttons with 3 color LEDs (**1** through **16** in the TR-S section, buttons and pads in front of the left and right platters) light up red.

1. Press **START/STOP**.
All buttons with 3 color LEDs light up blue.
2. Press **START/STOP**.
All buttons with 3 color LEDs light up green.
3. Press **START/STOP**.
1 in the TR-S section lights up.
4. Press the lighting button or pad in sequence.
 - * Press the pads forcefully.

When the pad on the front right has been pressed, **OK** appears on the 7-segment LED display and **START/STOP** flashes.

5. Press **START/STOP** to advance to the next test item.

7. ENCODER Check (t-7)

VAL appears on the 7-segment LED display.

1. Turn the **VALUE** knob clockwise by 24 clicks slowly.
The segments of the 7-segment LED display light up in sequence.
2. In the same way, turn the knob counterclockwise by 24 clicks slowly.
The segments of the 7-segment LED display light up in sequence.
When the knob has been turned by 24 clicks, **bT L** appears.
3. Turn the **BEATS** knob at the upper right of the left deck section clockwise by 20 clicks slowly.
The segments of the 7-segment LED display light up in sequence.
4. In the same way, turn the knob counterclockwise by 20 clicks slowly.
The segments of the 7-segment LED display light up in sequence.
When the knob has been turned by 20 clicks, **PUSH** appears.
5. Press the **BEATS** knob.
SEL is displayed.

6. Turn the knob in the browser section clockwise by 20 clicks slowly. The segments of the 7-segment LED display light up in sequence.
7. In the same way, turn the knob counterclockwise by 20 clicks slowly. The segments of the 7-segment LED display light up in sequence. When the knob has been turned by 20 clicks, **PUSH** appears.
8. Press the knob.
bT r is displayed.
9. Turn the **BEATS** knob at the upper right of the right deck section clockwise by 20 clicks slowly. The segments of the 7-segment LED display light up in sequence.
10. In the same way, turn the knob counterclockwise by 20 clicks slowly. The segments of the 7-segment LED display light up in sequence. When the knob has been turned by 20 clicks, **PUSH** appears.
11. Press the **BEATS** knob.
OK is displayed.
12. Press **START/STOP** to advance to the next test item.

8. PLATTER Check (t-8)

The LEDs around the left platter light up red in 4 locations.

1. While touching the metal portion of the platter with your fingers, hold it. The LEDs around the platter light up blue in 4 locations.
2. Release your fingers. The LEDs around the platter light up green.
3. Turn the platter clockwise about 2 laps and a half through 3 laps slowly and gently. The LEDs around the platter light up blue white.
* When turning in the opposite direction during the platter is turned, 4 buttons in the browser section flash. In this case, re-enter this test item.
4. Turn the platter counterclockwise about 2 laps and a half through 3 laps slowly and gently. The LEDs around the platter go dark and the LEDs around the right platter light up red in 4 locations.
5. In the same way, execute steps 1 through 4 for the right platter. The LEDs around the platter go dark, **OK** appears on the 7-segment LED display and **START/STOP** flashes.
6. Press **START/STOP** to advance to the next test item.

9. SLIDE VR Check (t-9)

PT L appears on the 7-segment LED display.

* If **nG** appears, verify that all slide knobs are set as shown in **Entering the Test Mode** (p. 35). Correct setting makes **PT L** appear and the testing can be continued.


* If the wrong knob is moved, 4 buttons in the browser section flash. In this case, re-enter this test item.

1. Move the slide knob on the upper left of the left deck section to the lower end.
PT r appears on the 7-segment LED display.
2. Move the slide knob on the upper right of the left deck section to the lower end.
CHK appears on the 7-segment LED display.
3. Move the slide knob in step 1 to 0. The LEDs at the upper and lower of the slide knob light up.
4. Move the slide knob in step 2 to 0. The LEDs at the upper and lower of the slide knob light up.
5. Press **START/STOP**.
bd appears on the 7-segment LED display.
6. Move the slide knobs in the TR-S section to the upper end in sequence below.
BASS DRUM -> **SNARE DRUM** -> **CLOSED HIHAT** -> **OPEN HIHAT**

7. Move the slide knobs in the mixer section to the upper end in sequence below.
3 -> **1** -> **TR/SAMPLER** -> **2** -> **1**
8. Move the hithermost cross fader knob in the mixer section to the right end.
OK appears on the 7-segment LED display.
9. Press **START/STOP** to advance to the next test item.

10. ROTARY VR Check (t-10)


* If **nG** appears, verify that all rotary knobs are set as shown in **Entering the Test Mode** (p. 35). Correct setting makes **Trim** appear and the testing can be continued.

1. Turn the rotary knobs in the TR-S section to maximum in sequence below.
TRIM -> **ATTACK** -> **TUNE** -> **DECAY**
2. Turn the rotary knobs in the VT section to maximum in sequence below.
LEVEL -> **HI** -> **LOW** -> **PITCH** -> **FORMANT** -> **REVERB**
3. Turn the rotary knobs in the left deck section to maximum in sequence below.
1 -> **2** -> **3**
4. Turn the 4 **TRIM** knobs and the **MASTER LEVEL** knob in the mixer section to maximum in sequence from the left as shown in the figure.

5. Turn the 4 **HI** knobs in the mixer section to maximum in sequence from the left.
6. Turn the **MID** knobs to maximum in sequence from the left.
7. Turn the **LOW** knobs to maximum in sequence from the left.
8. Turn the **FX** knobs to maximum in sequence from the left.
9. Turn the rotary knobs in the right deck section to maximum in sequence below.
BOOTH MONITOR -> **1** -> **2** -> **3**
10. Turn the **MIXING** knob on the front panel to maximum.
CHK appears on the 7-segment LED display.
11. Adjust the following knobs to center.
HI, LOW, PITCH and **FORMANT** in the VT section
HI, MID, LOW and **FX** (4 each) in the mixer section
MIXING on the front panel
12. Press **START/STOP** to advance to the next test item.

11. AUDIO Check (t-11)

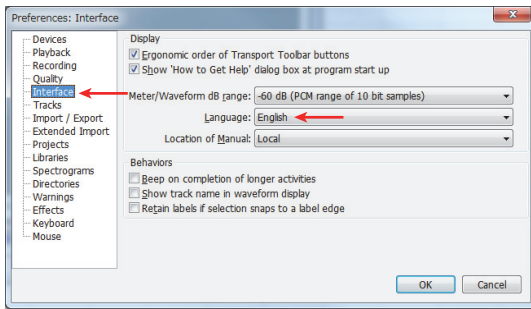
1K appears on the 7-segment LED display.

Settings of Audacity

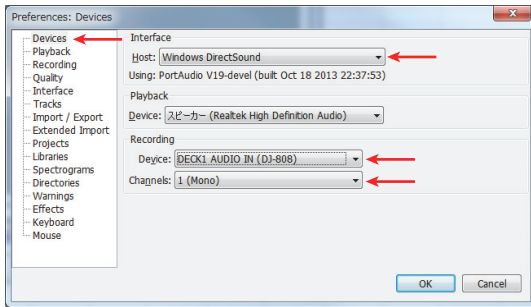
1. Verify that the computer is connected to the  connector.
2. Start the Audacity on the computer.
3. On the computer keyboard, hold down **Ctrl** and press **P**.
Preferences: Devices dialog box appears.

* The language for use on the screen can be set as desired in the following step 4. Here, explain in English as a sample.

4. Select **Interface** in the left column and select the desired language at **Language** in the right column.



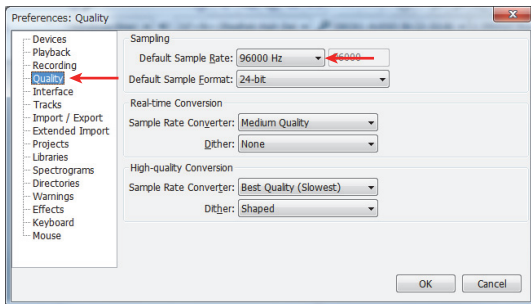
5. Select **Devices** in the left column and set **Interface Host** to **Windows DirectSound**.



6. Set **Recording Devices** to **DECK1 AUDIO IN (DJ-808)** and **Recording Channels** to **1 (Mono)**.

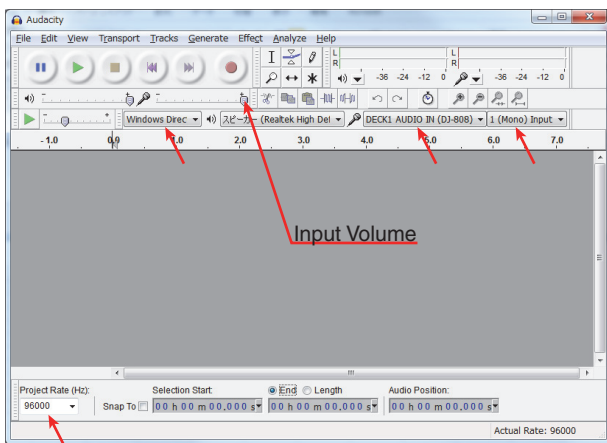
* **Recording Device** might be **DECK1 AUDIO IN (2-DJ-808)**.

7. Select **Quality** in the left column and set **Sampling Default Sample Rate** to **96000 Hz**.

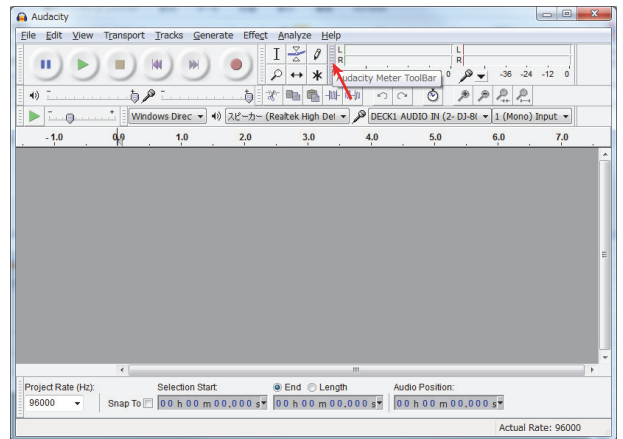


8. Click **OK**.

* **Settings on steps 5 through 7 are available in the main window.**



9. Drag the left side of **Audacity Meter ToolBar** in the main window and separate it from the toolbar.

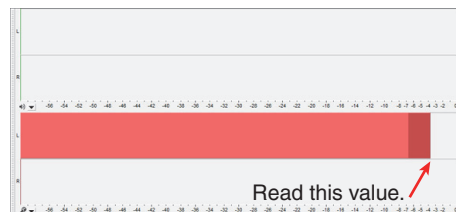


10. Drag the lower right end of **Audacity Meter ToolBar** and extend it to see the scale.



Testing of audio signal

1. Verify that **1k** is displayed on the 7-segment LED display.
2. Connect the **MASTER OUT 2 L** and **R** jacks to the **INPUT CH 3 L** and **R** jacks for each. This makes the signals (L and R) which DJ-808 oscillated by oneself input to **INPUT CH 3 L** and **R**.
3. Press **1** of the channel **3** in the mixer section.
4. On the computer's screen, click the recording track of **Audacity Meter ToolBar** to display the red bar and verify that the value is **-1.0±1**. (Unit is dBm: thereafter, the same)
 - * If the blue vertical line appears, click it again to display the red bar.
 - * When the specification of the computer to use is low, the red bar is not displayed at the recording track. Verify the conditions of the computer in **Items Required** (p. 34) again.



5. Press **2** of the channel **3** in the mixer section.
6. Verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.
7. Connect the **MASTER OUT 2 L** and **R** jacks to the **INPUT CH 1 L** and **R** jacks for each.
8. Press **1** or **2** of the channel **1** in the mixer section. In either case, verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.
9. Connect the **MASTER OUT 2 L** and **R** jacks to the **INPUT CH 2 L** and **R** jacks for each.
10. Press **1** or **2** of the channel **2** in the mixer section. In either case, verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.

11. Connect the **MASTER OUT 2 L** and **R** jacks to the **INPUT CH 4 L** and **R** jacks for each.
12. Press **1** or **2** of the channel **4** in the mixer section. In either case, verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.
13. Detach the audio cable (RCA phono <-> RCA phono).
14. Set the **MIC SENS** knob to **MAX**.
15. Connect the **MASTER OUT 1 L** jack to the **MIC IN** jack using the audio cable (XLR <-> XLR).
16. Press **AUTO PITCH** in the VT section and verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.
17. Connect the **MASTER OUT 1 R** jack to the **MIC IN** jack.
18. Press **AUTO PITCH** in the VT section and verify that the value of the recording track of **Audacity Meter ToolBar** is **-1.0±1**.
19. Disconnect the audio cable (XLR <-> XLR) and the USB cable.
20. Turn the **VALUE** knob (at the left end of the TR-S section) clockwise by 9 clicks to display **1k** next to **----**.
21. Connect the noise meter to the **BOOTH OUT L** jack (HOT) and verify that the noise level is as follows.
BOOTH OUT L (HOT): +15 to +17 dBm (DIN-Audio)
22. In the same way, verify that the noise level of the **BOOTH OUT L** jack (COLD) is as follows.
BOOTH OUT L (COLD): +15 to +17 dBm (DIN-Audio)
23. In the same way, verify that the noise levels of the following jacks are within the pass range.

* The filter is DIN Audio in either case.

BOOTH OUT R (HOT): +15 to +17 dBm
 BOOTH OUT R (COLD): +15 to +17 dBm
 MASTER OUT 1 L (HOT): +17 to +19dBm
 MASTER OUT 1 L (COLD): +17 to +19 dBm
 MASTER OUT 1 R (HOT): +17 to +19 dBm
 MASTER OUT 1 R (COLD): +17 to +19 dBm
 MASTER OUT 2 L: +16 to +18 dBm
 MASTER OUT 2 R: +16 to +18 dBm
 PHONES 1 (L): +16 to +18 dBm
 PHONES 1 (R): +16 to +18 dBm
 PHONES 2 (L): +16 to +18 dBm
 PHONES 2 (R): +16 to +18 dBm

24. Press **START/STOP** 5 times to advance to the next test item.

12. FACTORY RESET (t-12)

rSt appears on the 7-segment LED display.

1. Press **START/STOP**.
The factory reset is executed and execution automatically advances to the next test item.

13. ERP Check

1. Press **CLEAR** in the TR-S section.
The power is turned off.
2. Return the power button to the off position.

DJ-808

SERVICE NOTES

Issued by RJA

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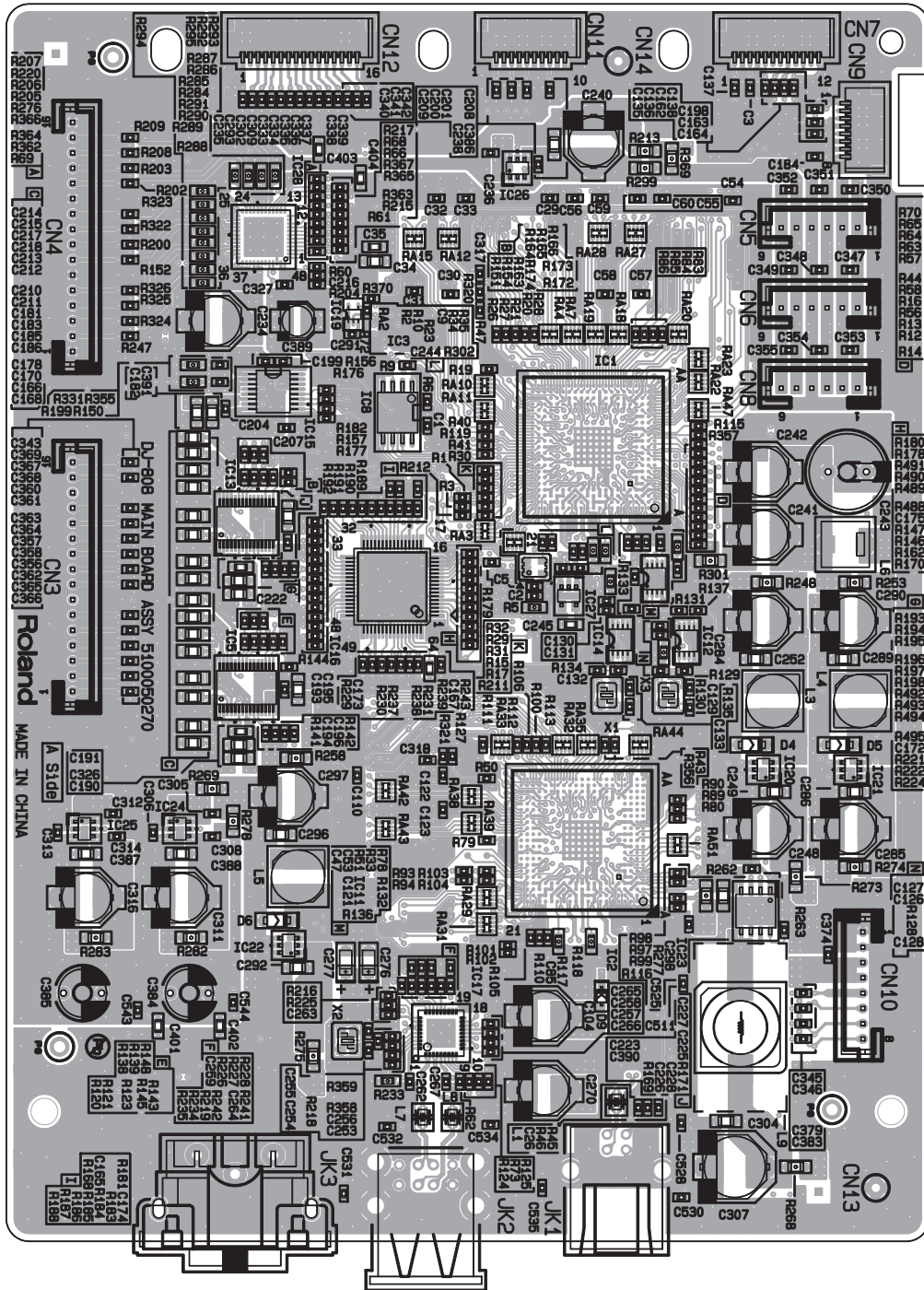
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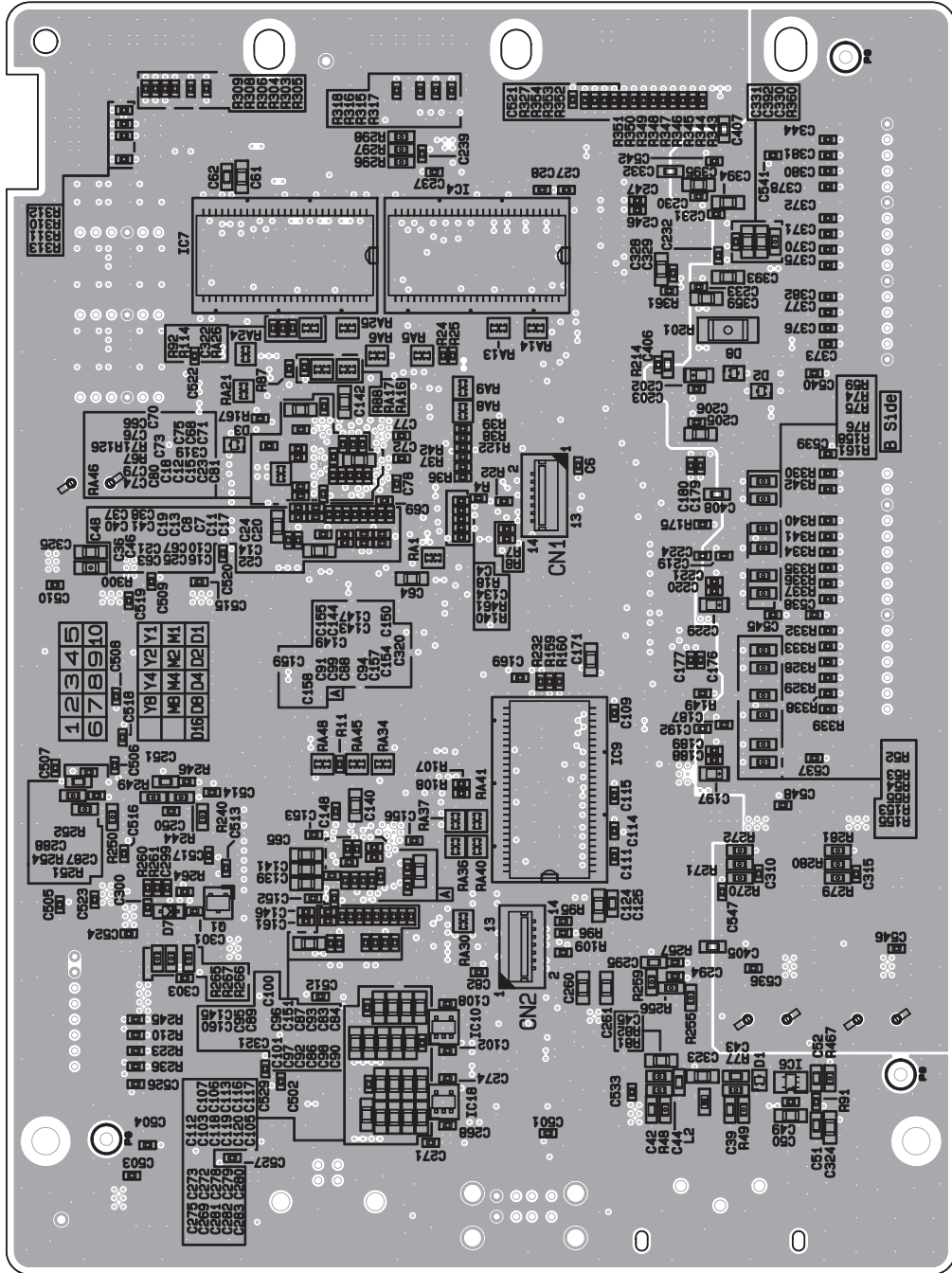


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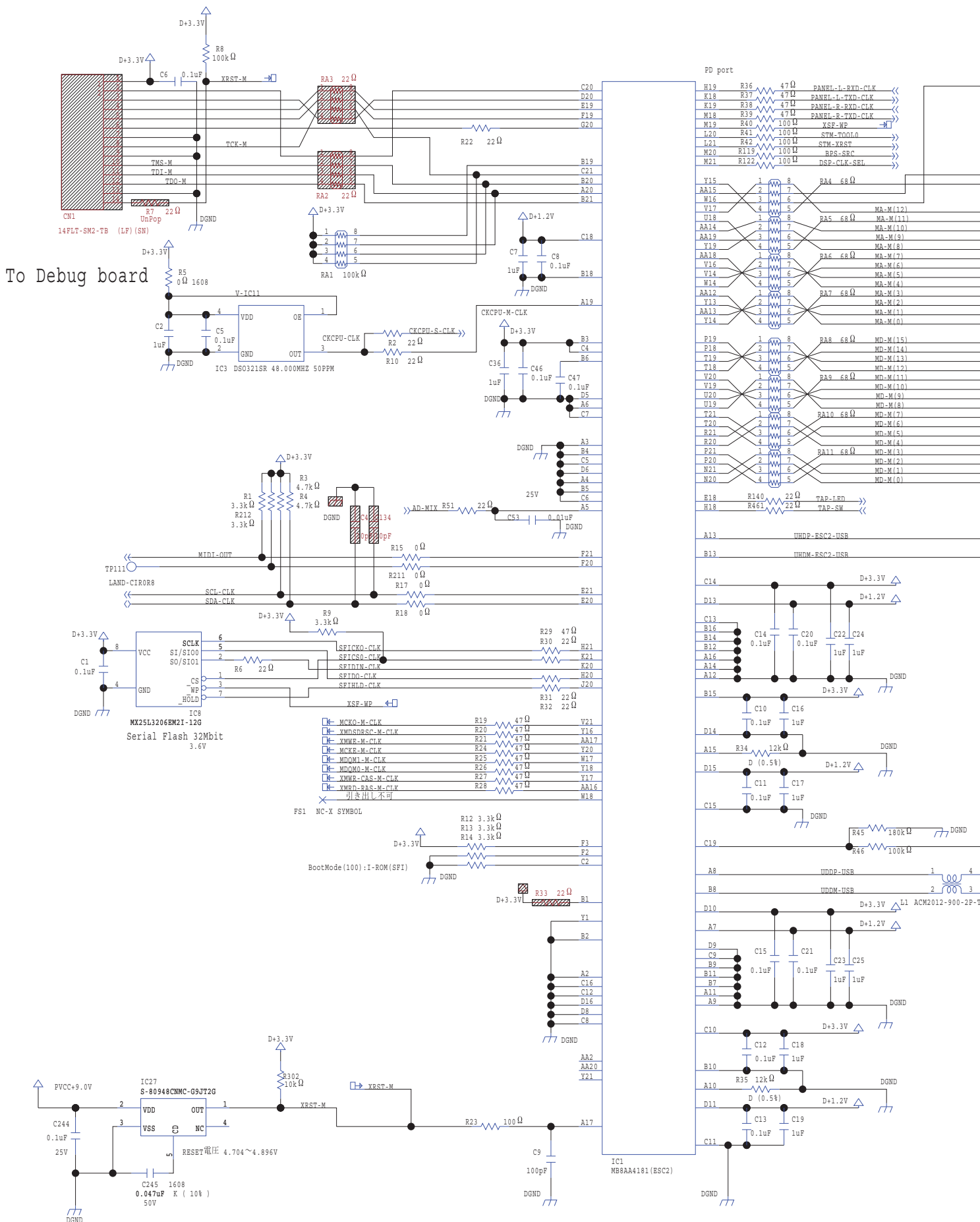
Circuit Board (Main Board)





Circuit Diagram (Main Board: 1/8)

ESC2 Master System Block

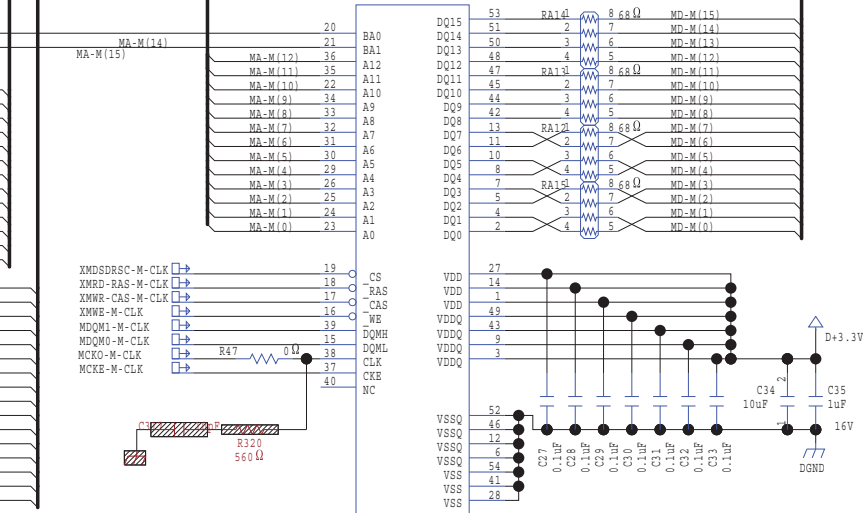


SLAVE-RESET → To Slave ESC2

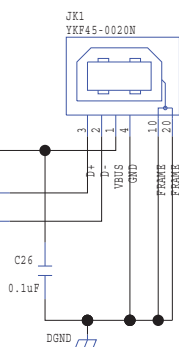
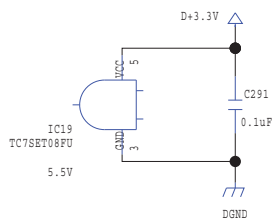
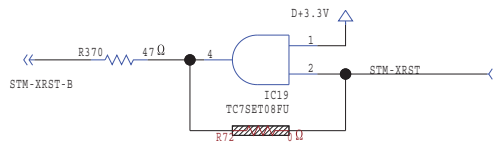
MD-M(15:0)

MA-M(0:12)

SD-RAM : 256Mb

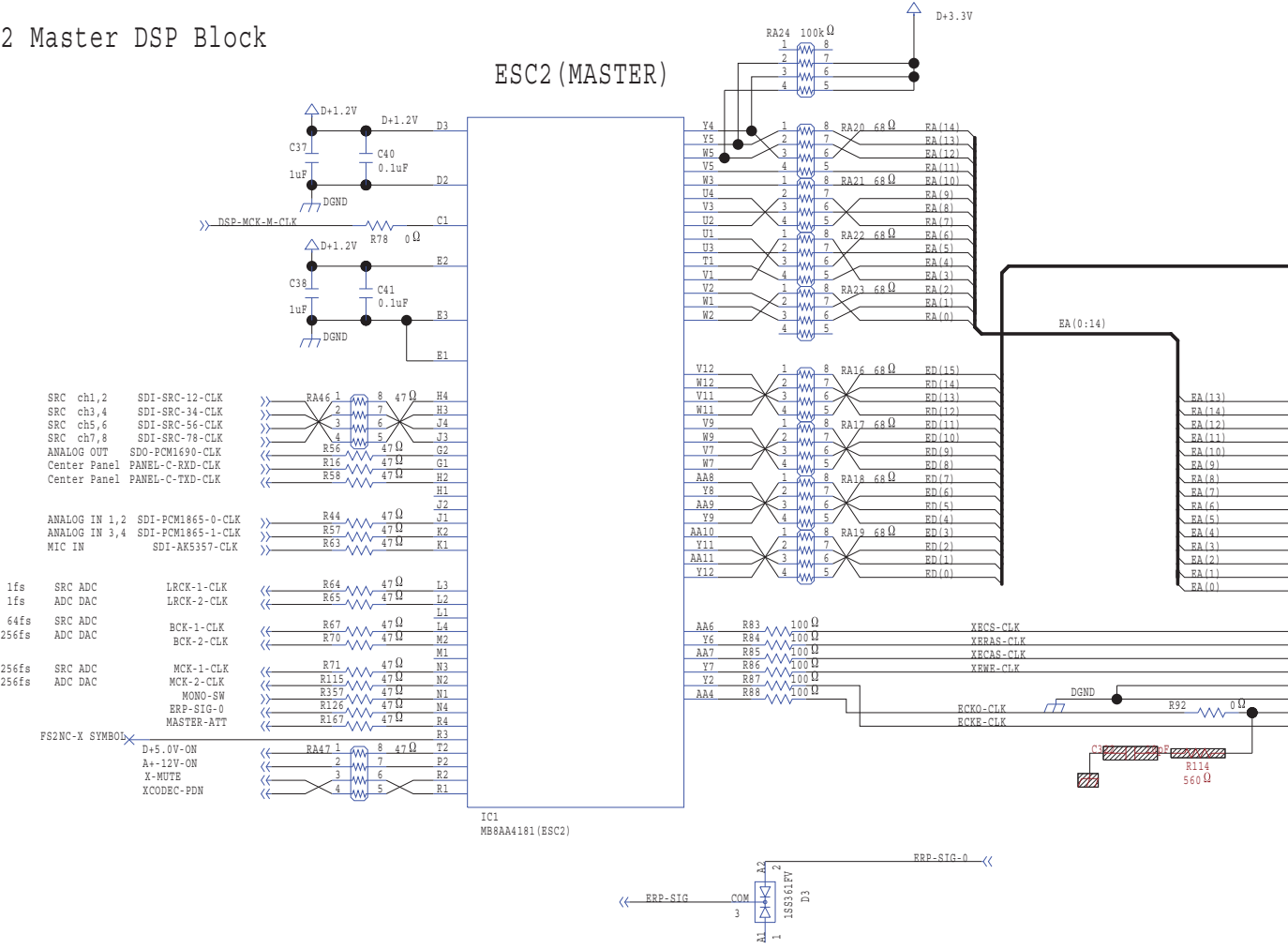


IC4
IS42S16160J-7TL 3.3V

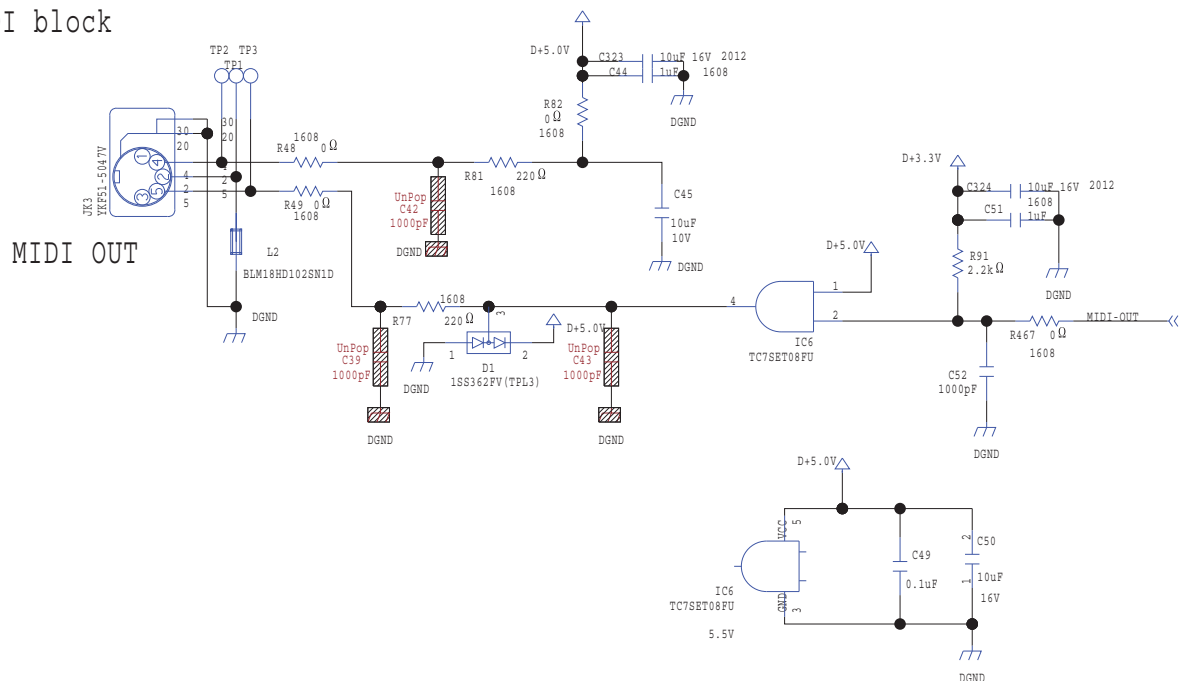


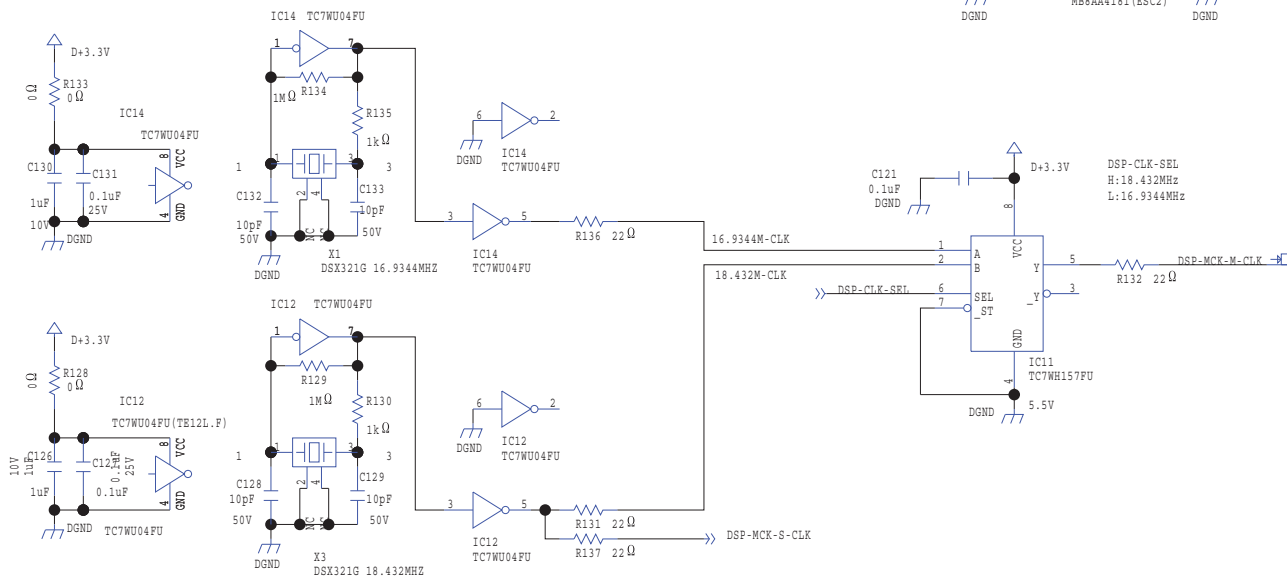
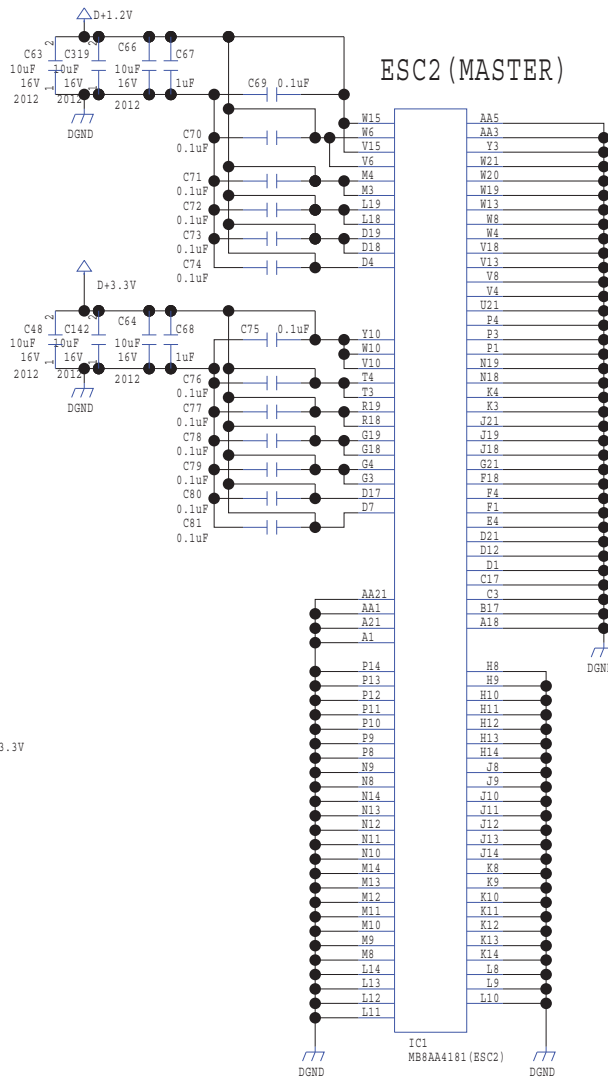
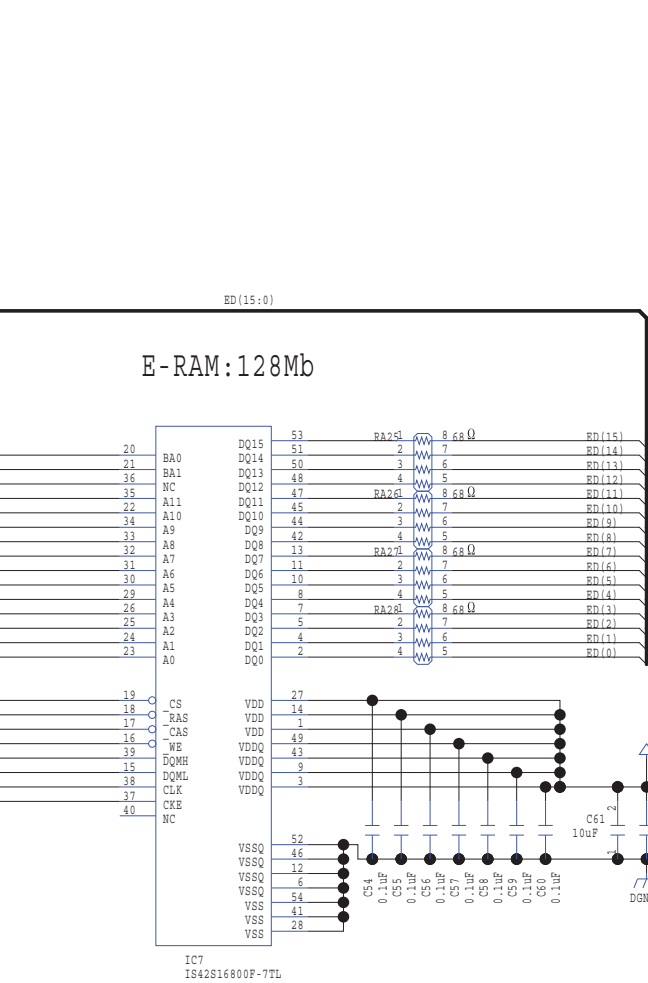
Circuit Diagram (Main Board: 2/8)

ESC2 Master DSP Block



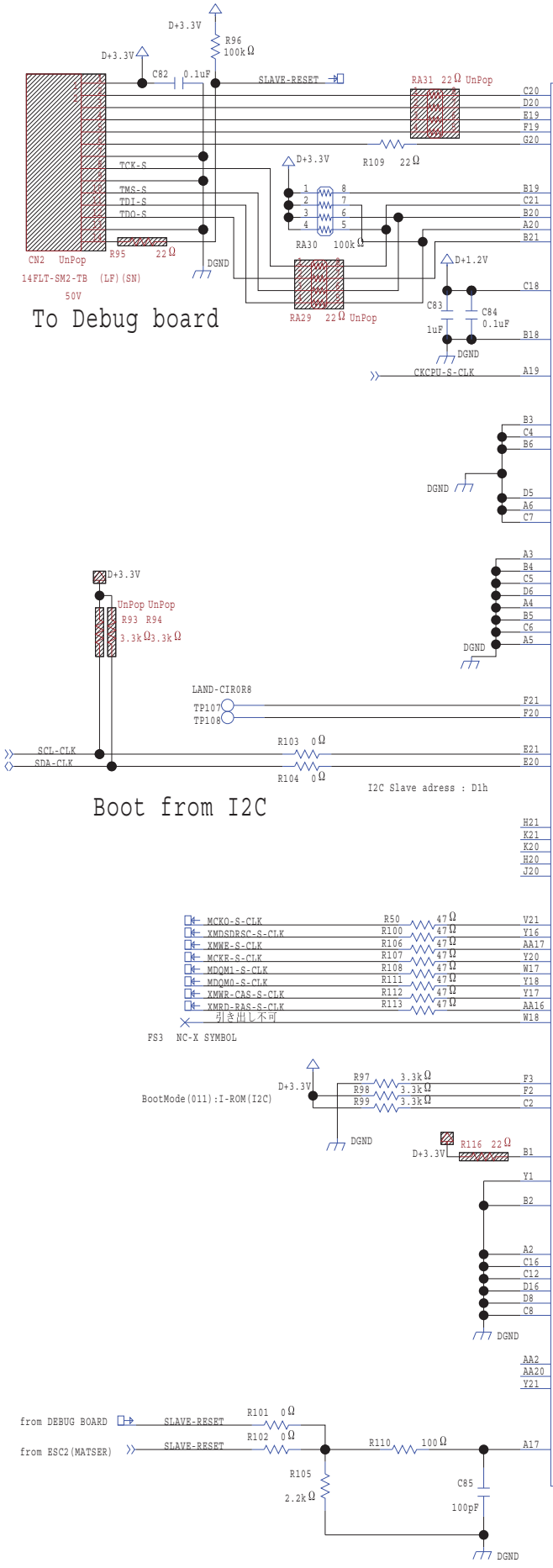
MIDI block



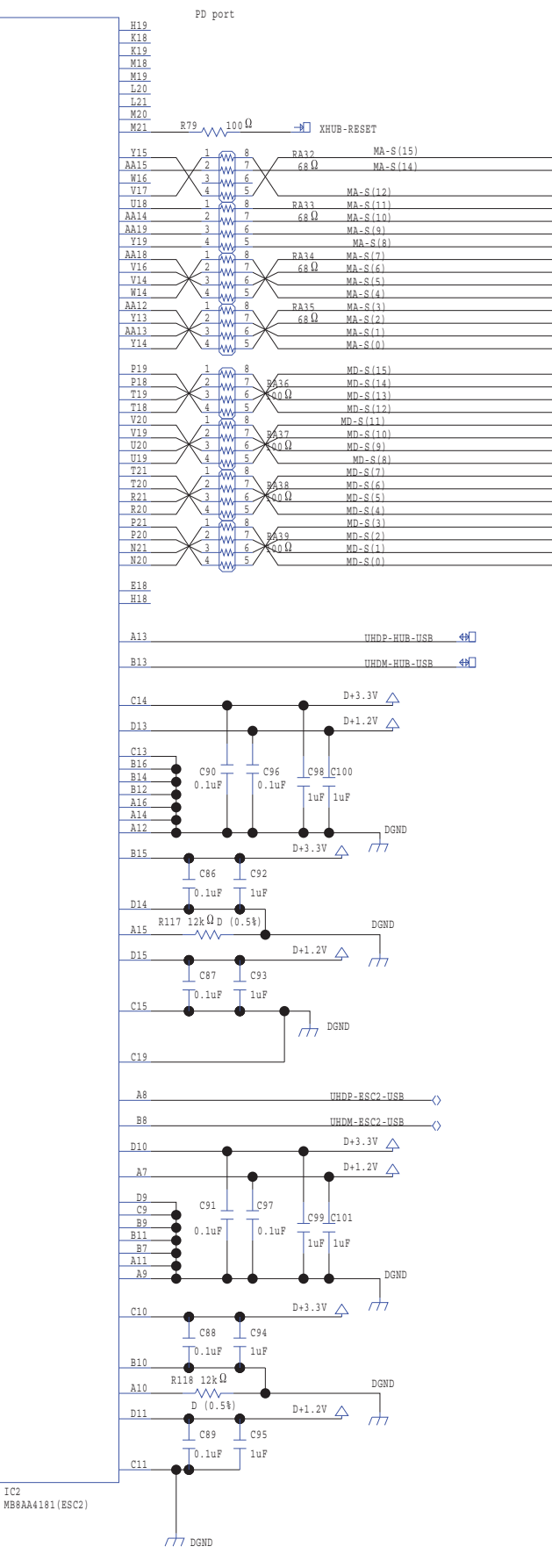


Circuit Diagram (Main Board: 3/8)

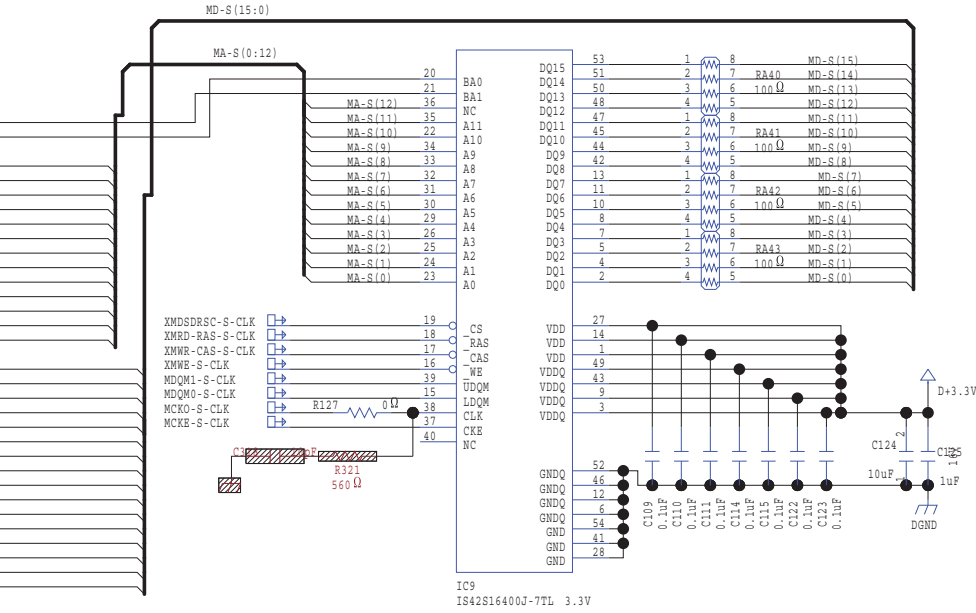
ESC2 Slave System Block



ESC2 (SLAVE)



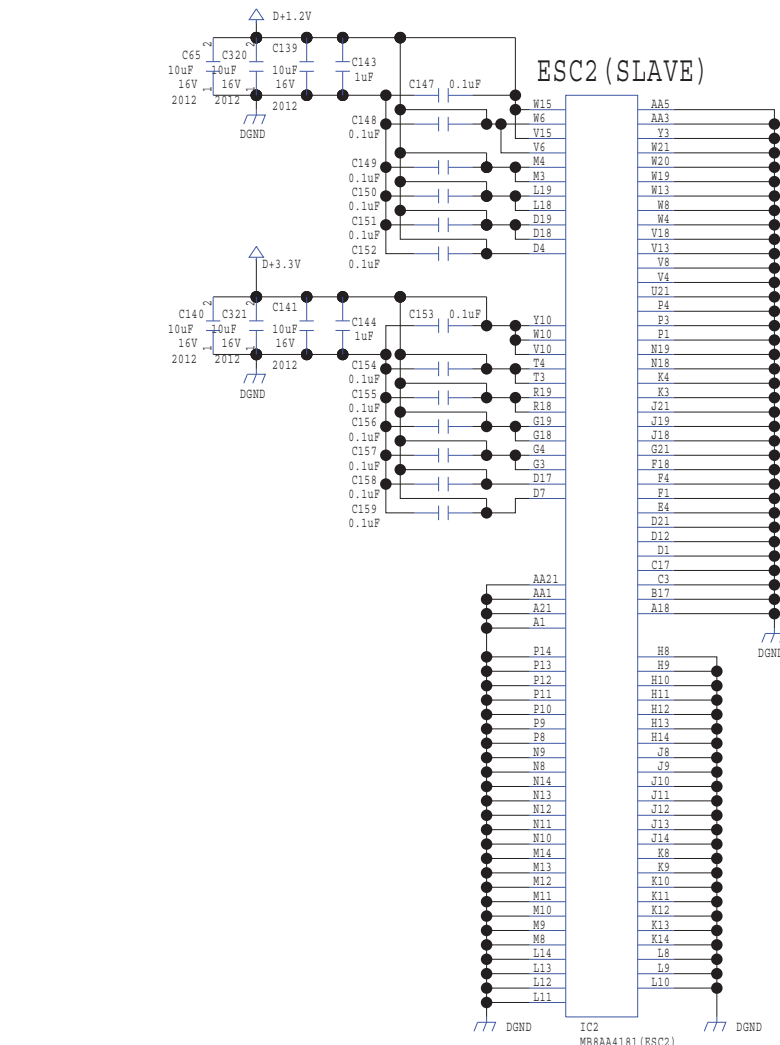
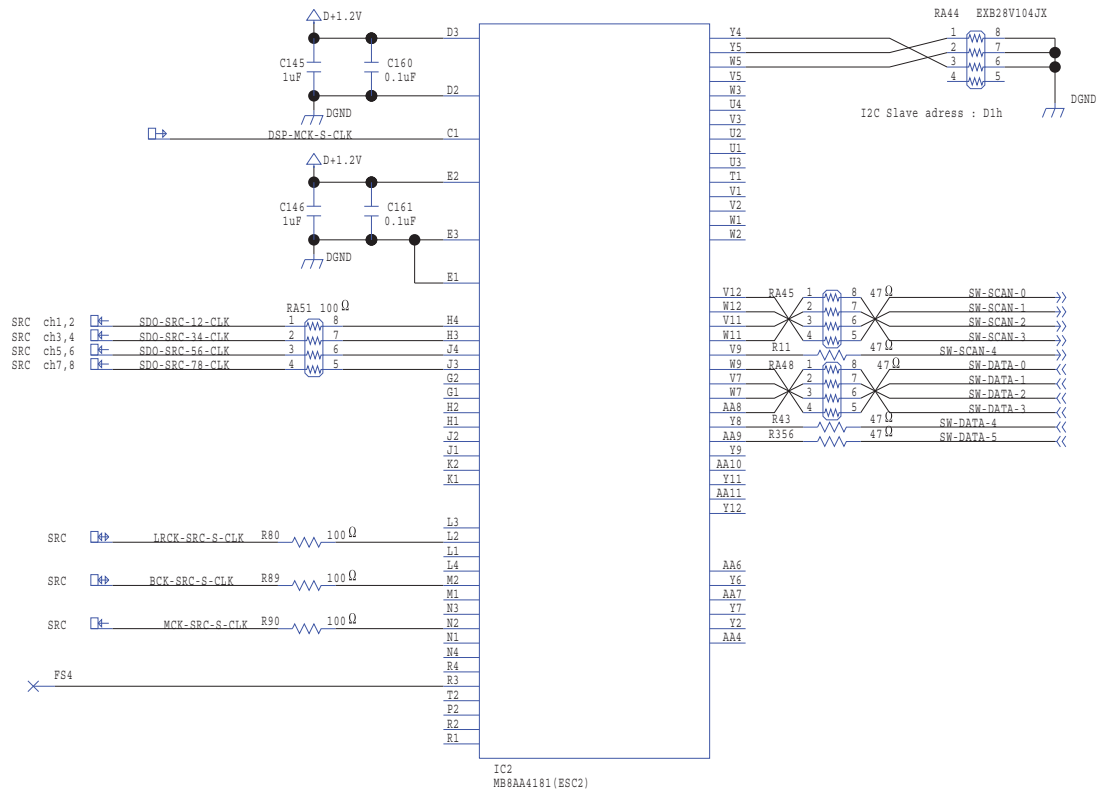
SD-RAM : 64Mb



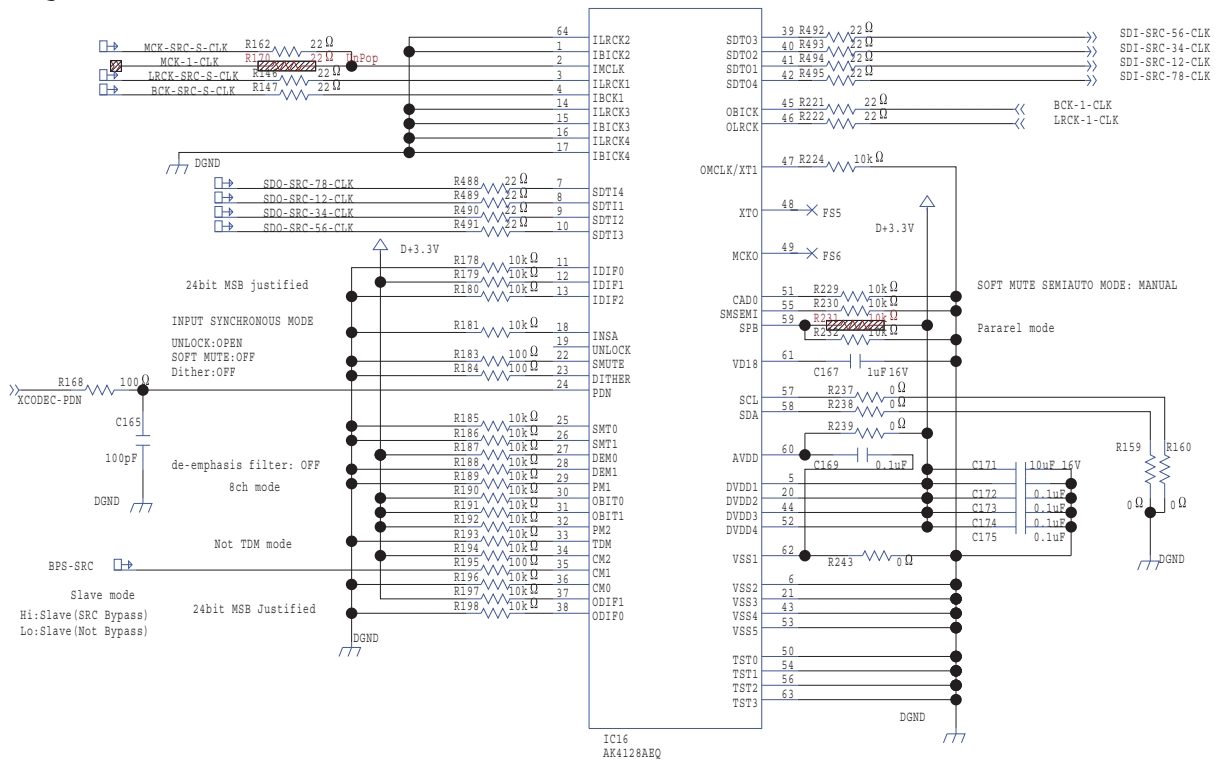
Circuit Diagram (Main Board: 4/8)

ESC2 Slave DSP Block

ESC2 (SLAVE)

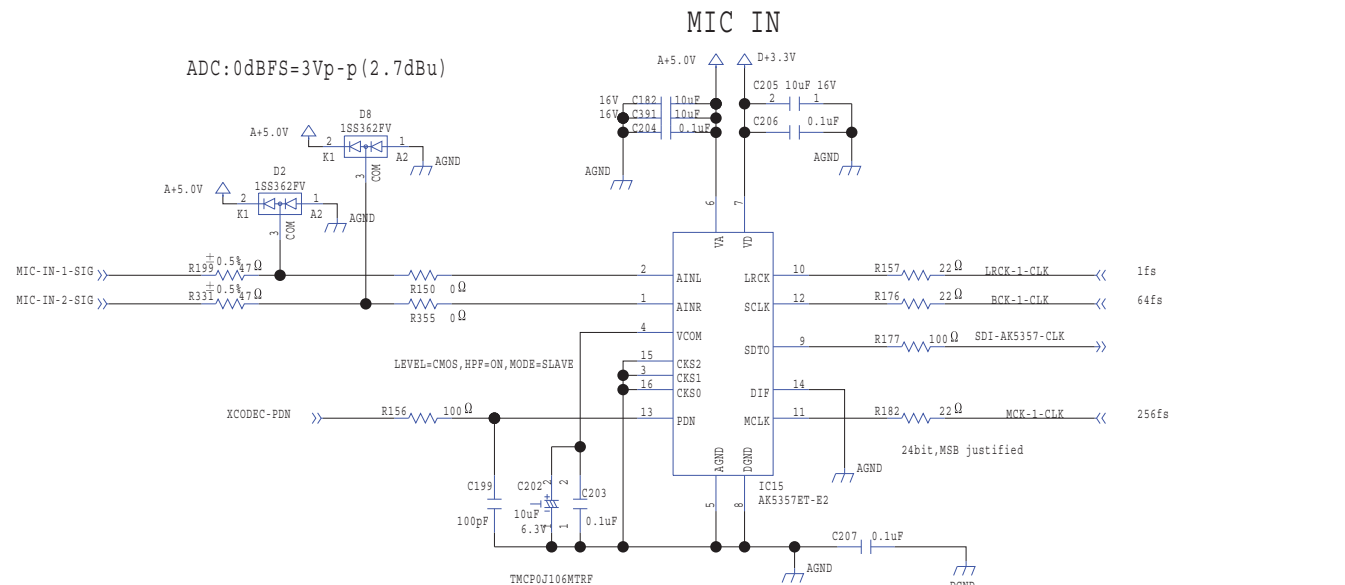
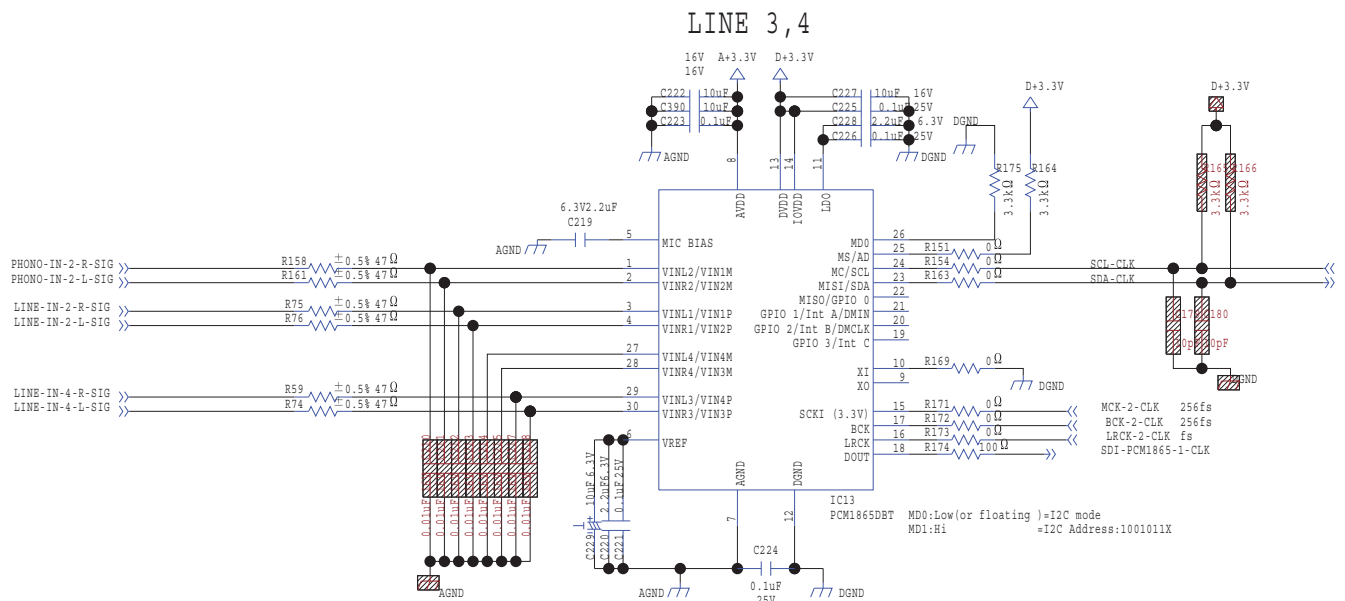
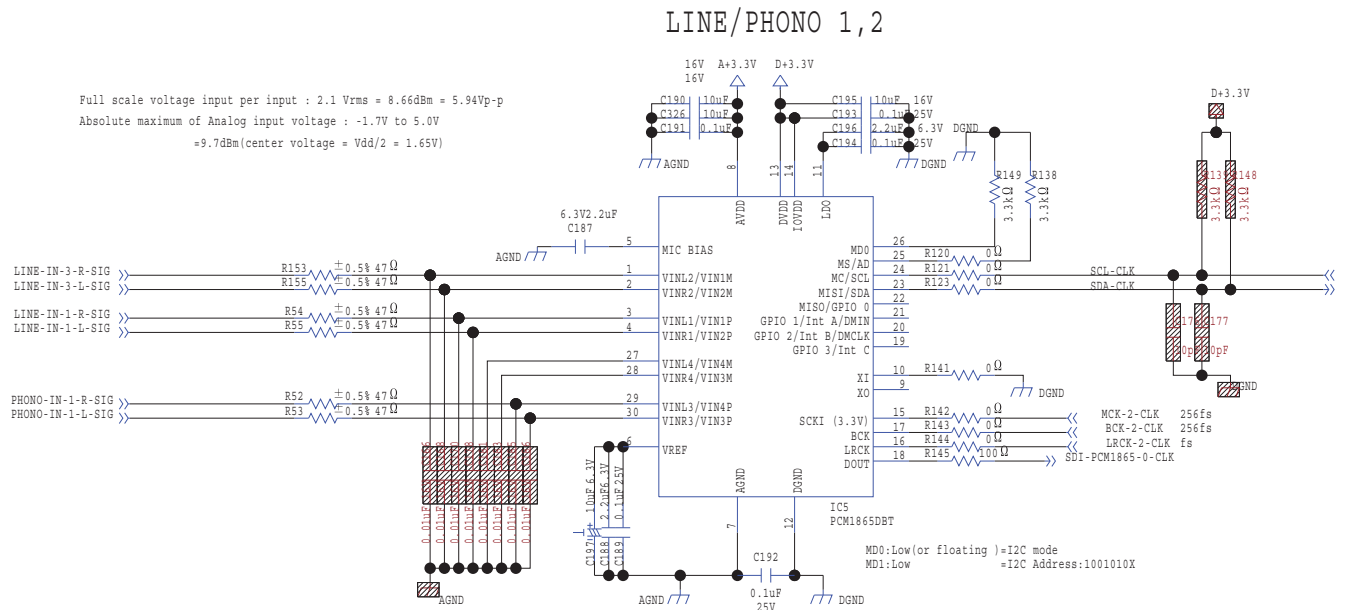


Sampling rate converter (SRC) Block

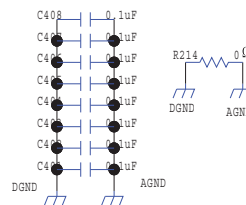
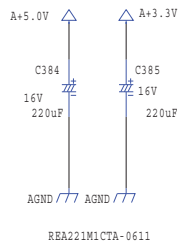
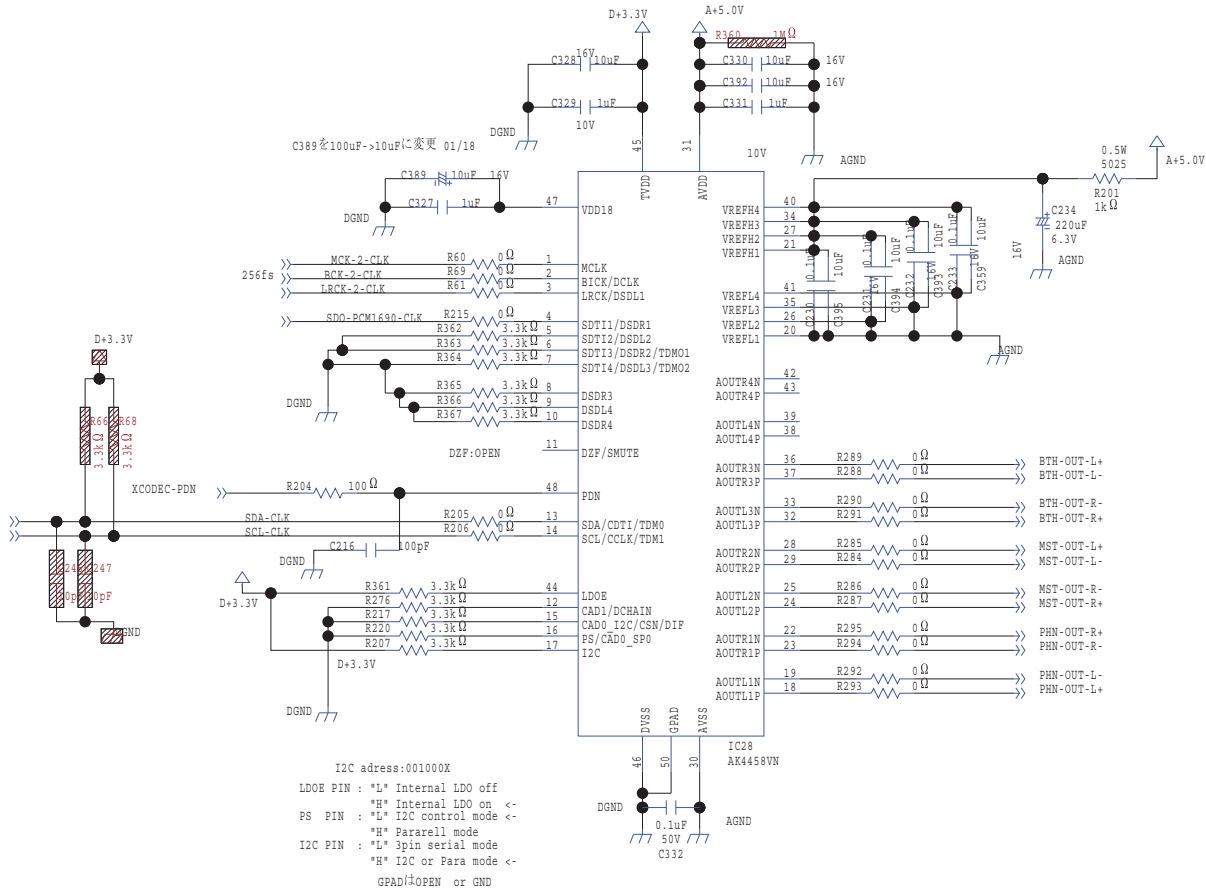


Circuit Diagram (Main Board: 5/8)

ADC/DAC Block

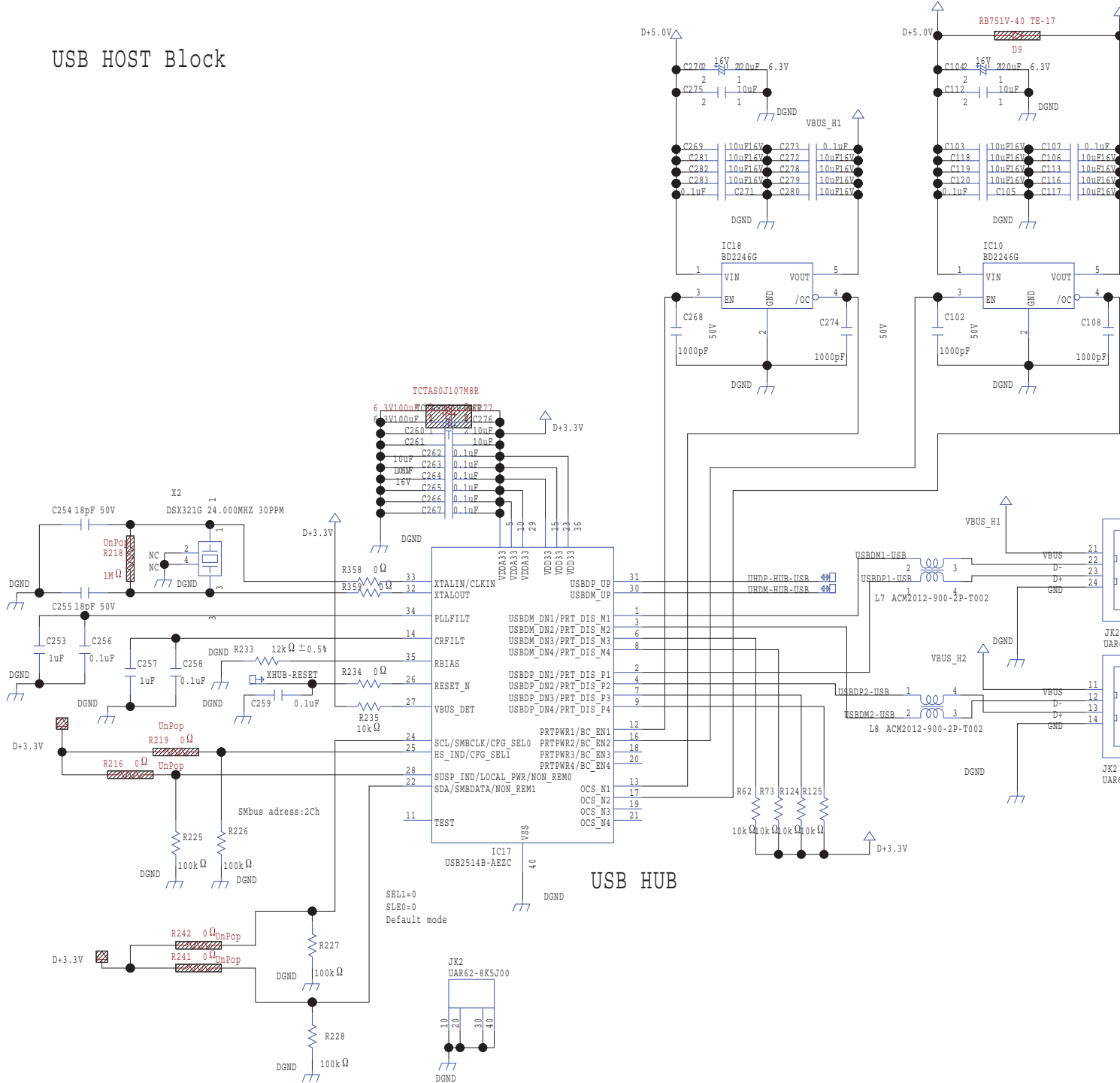


MASTER/BOOTH/PHONES



Circuit Diagram (Main Board: 6/8)

USB HOST Block



USB HUB

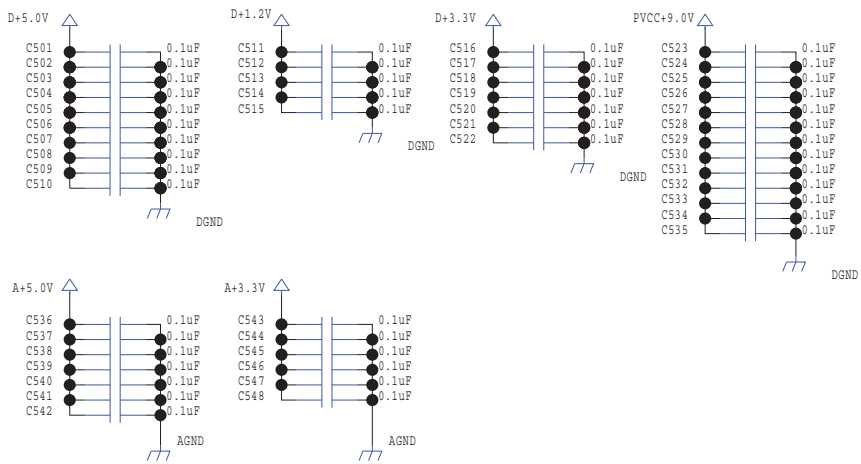
VBUS_H2

105

52-8K5J00

52-8K5J00

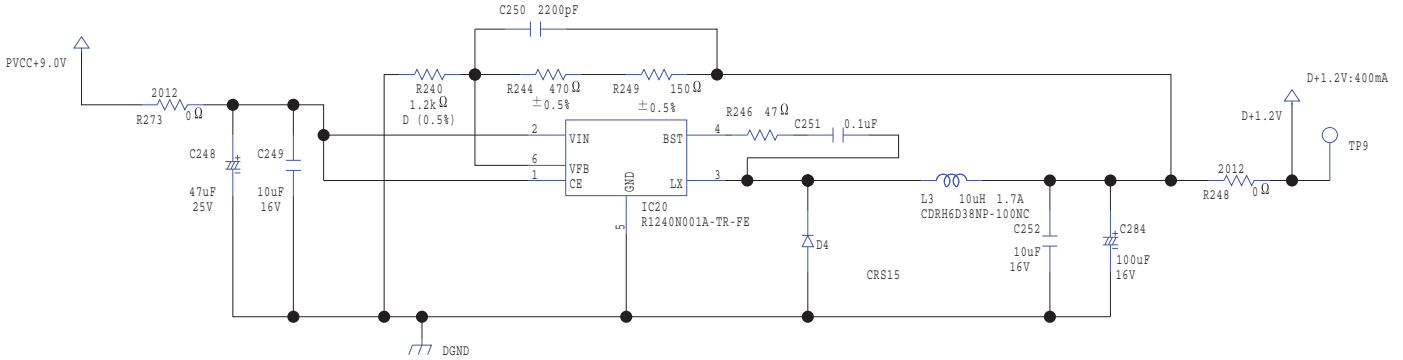
DEMITAS



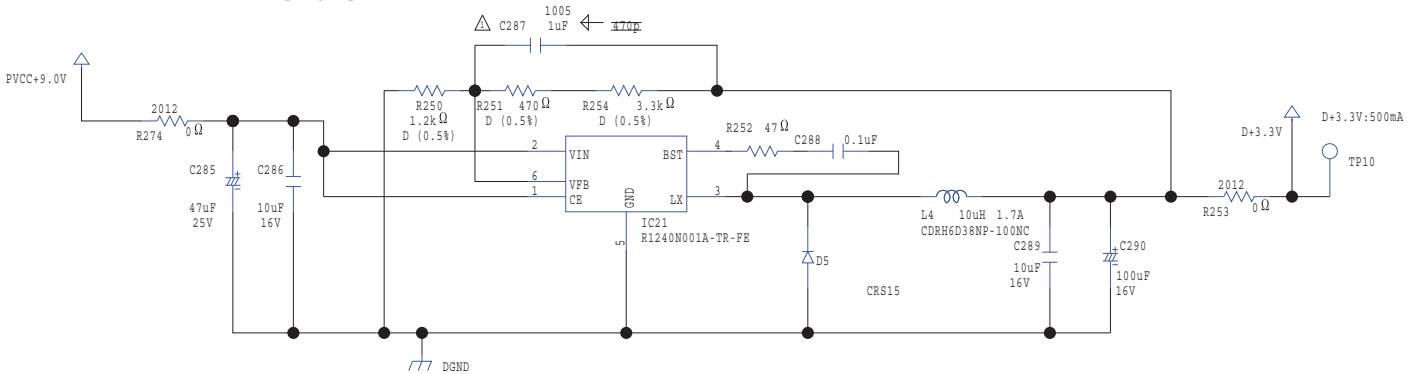
Circuit Diagram (Main Board: 7/8)

POWER Block

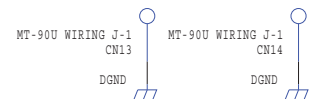
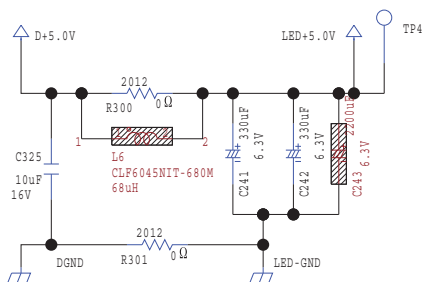
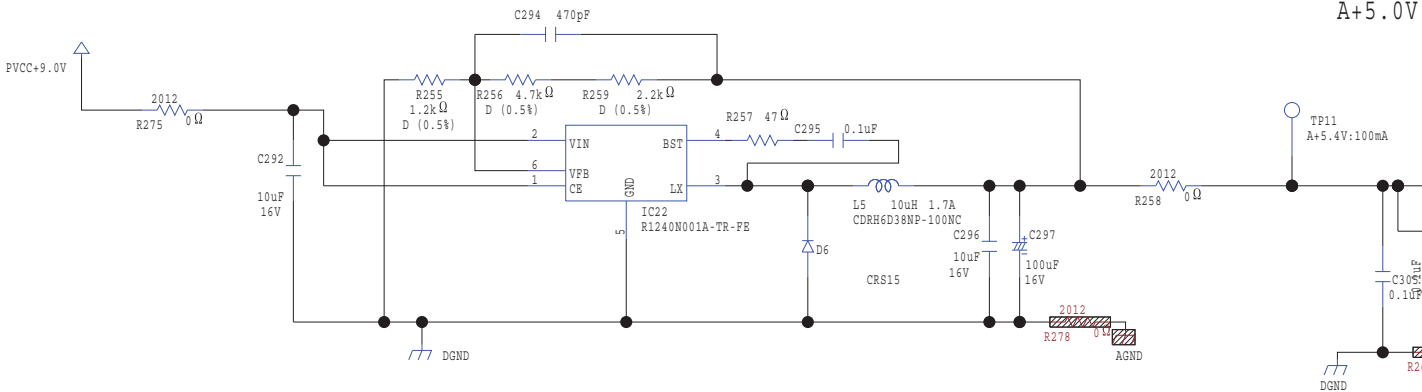
D+1.2V



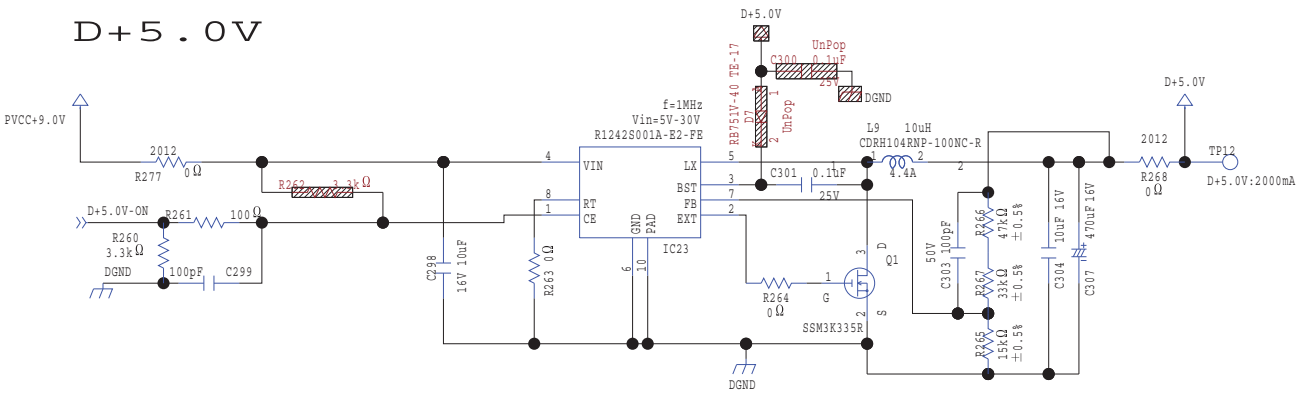
D+3.3V



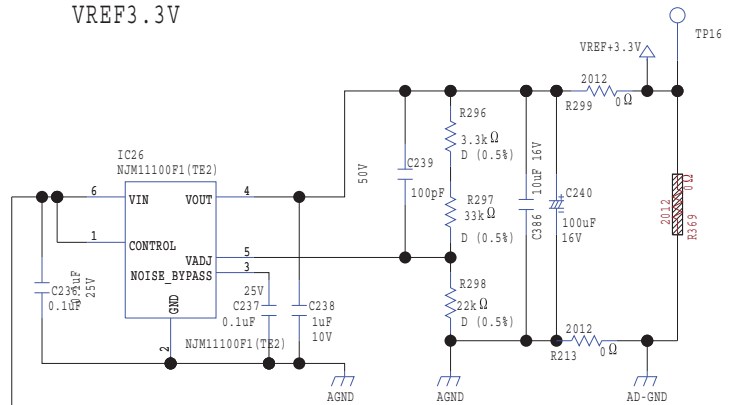
A+5.4V



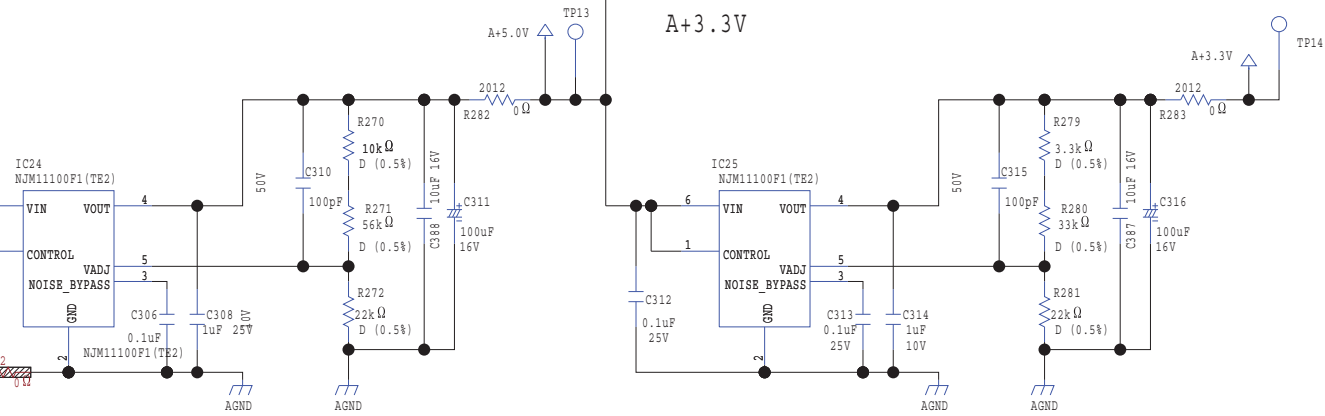
D+5.0V



VREF3.3V

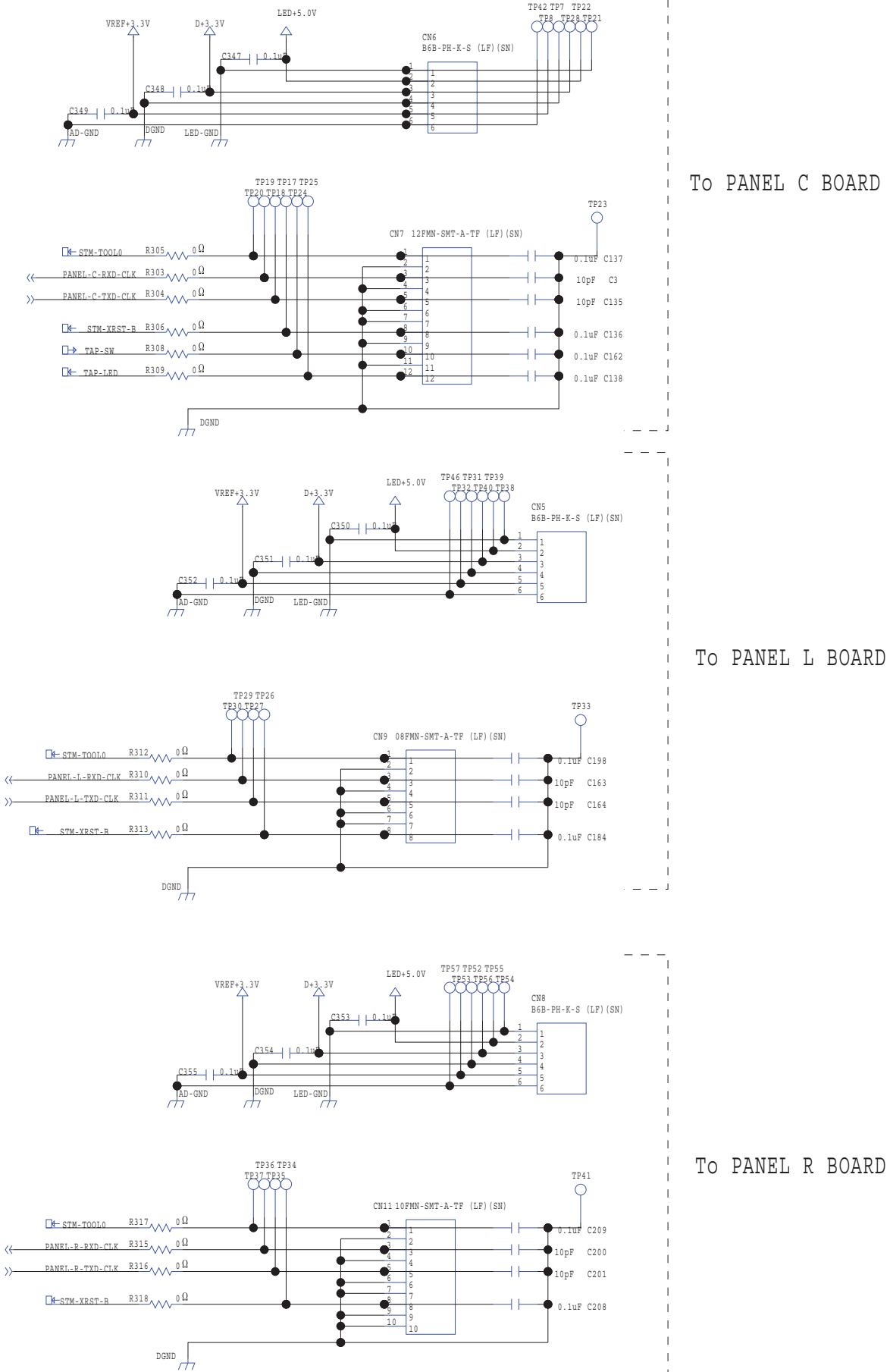


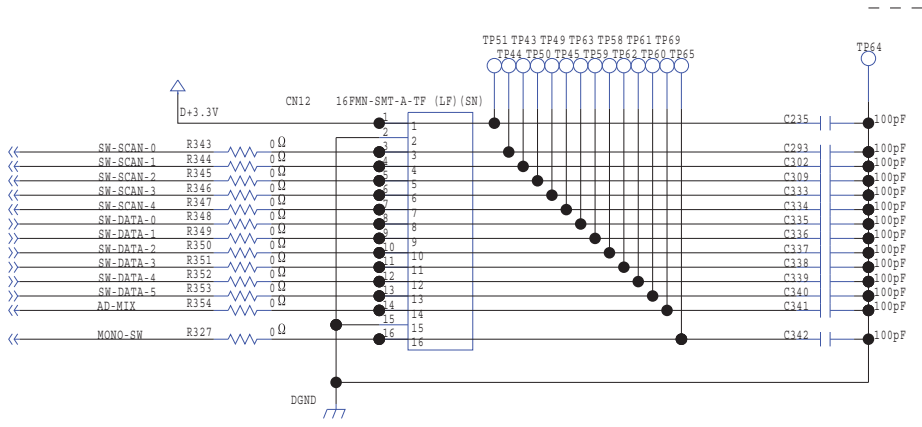
A+3.3V



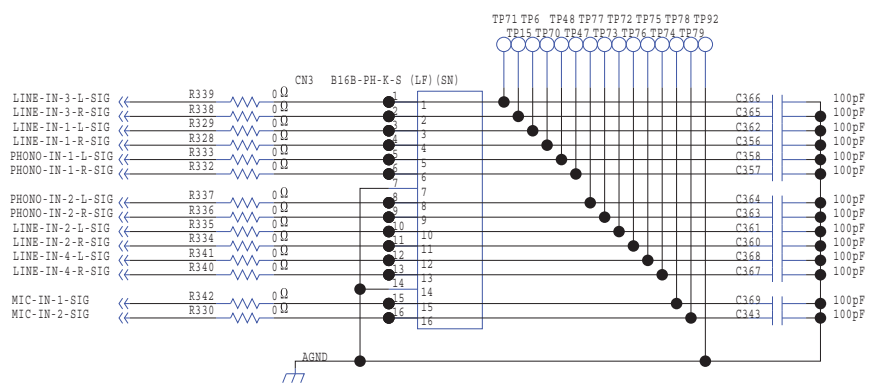
Circuit Diagram (Main Board: 8/8)

CONNECTOR Block

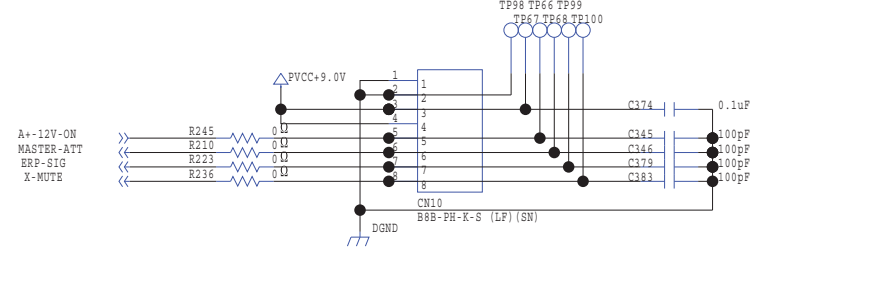
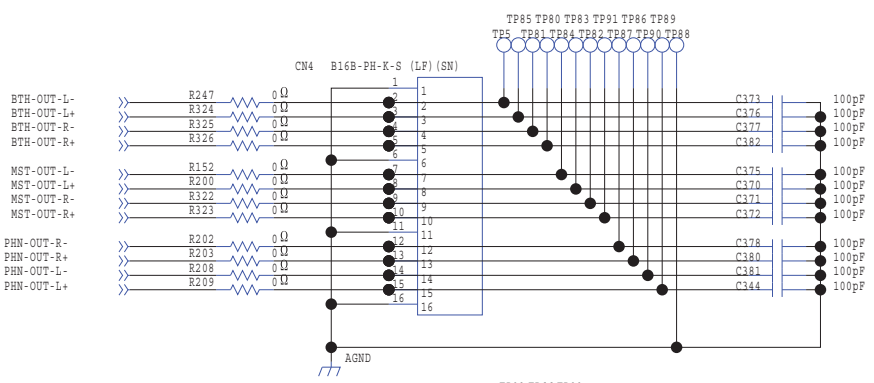




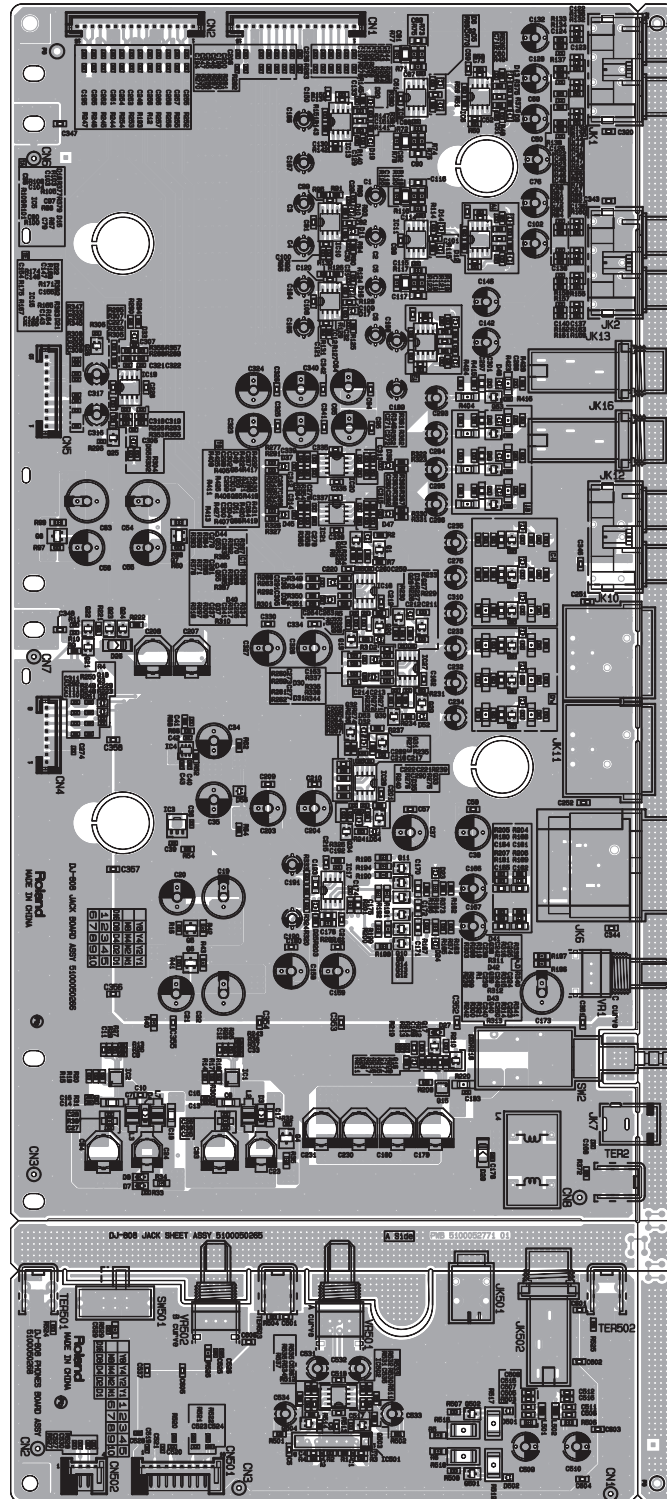
To Front board

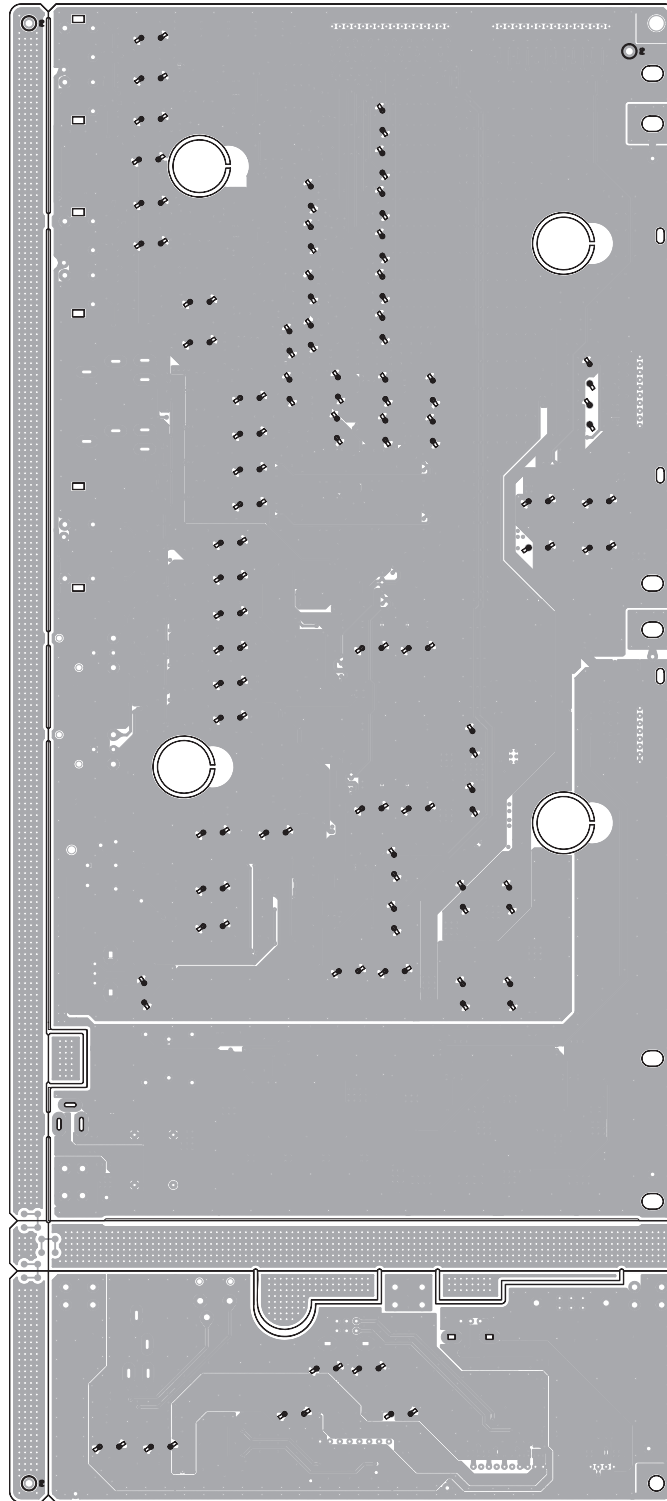


To JACK board



Circuit Board (Jack, Phones Board)

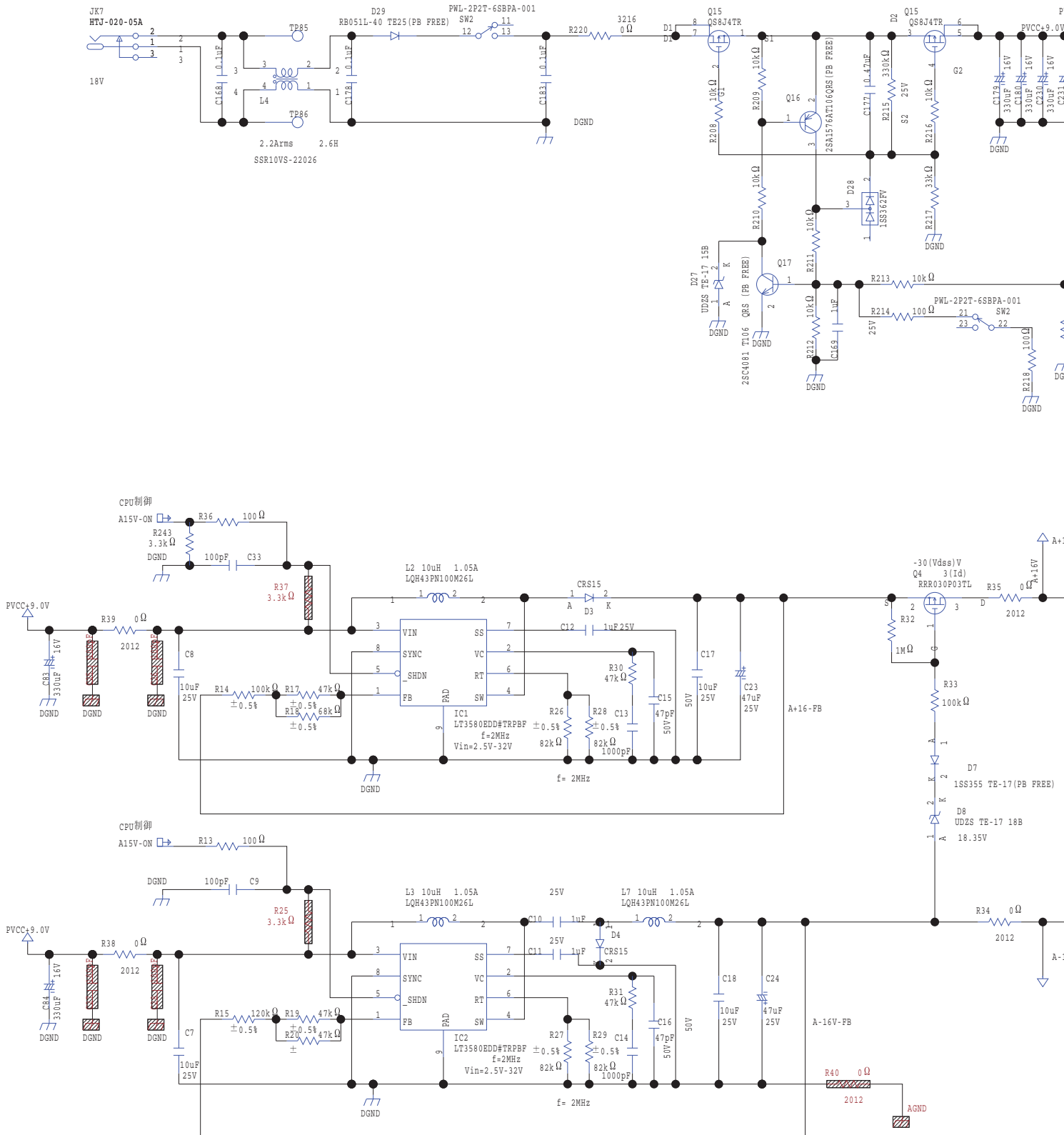




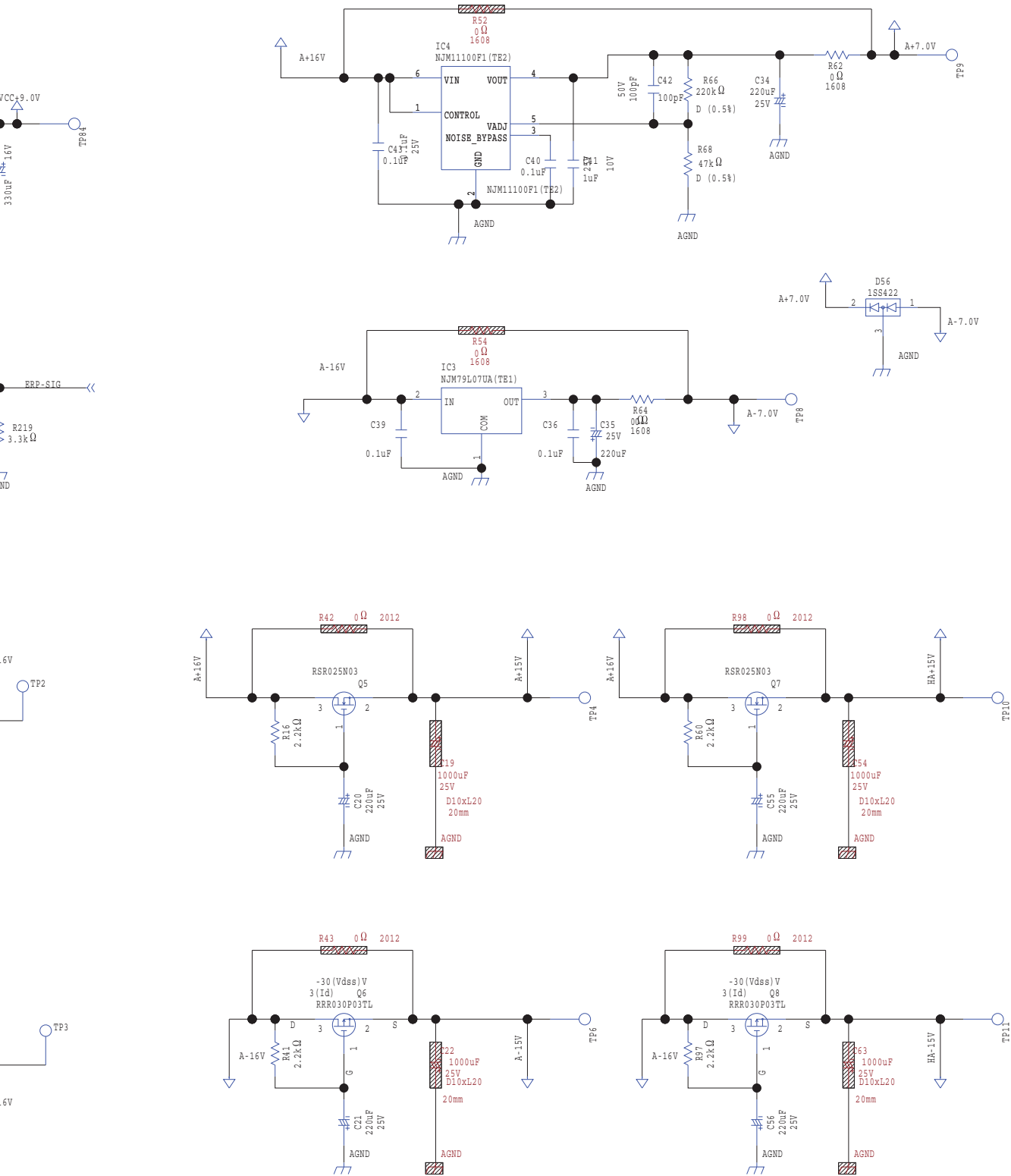
Circuit Diagram (Jack Board: 1/9)

POWER block

DC IN and Erp



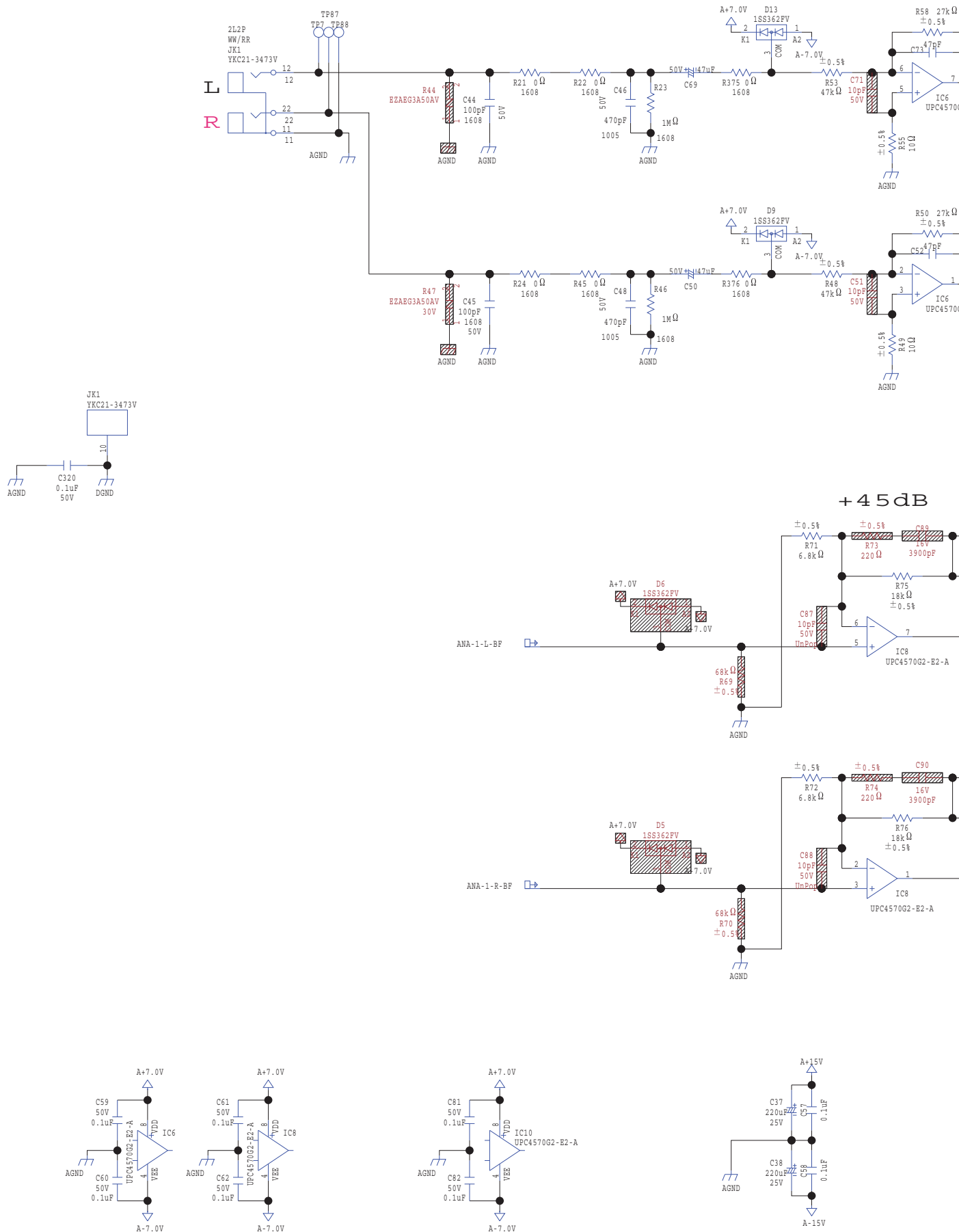
Regulator block



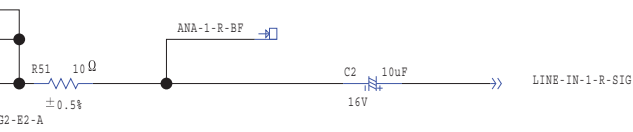
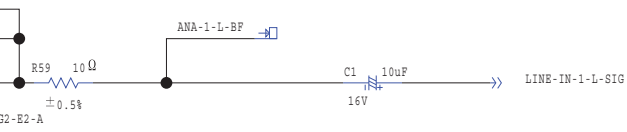
Circuit Diagram (Jack Board: 2/9)

LINE/PHONO IN 1 Block

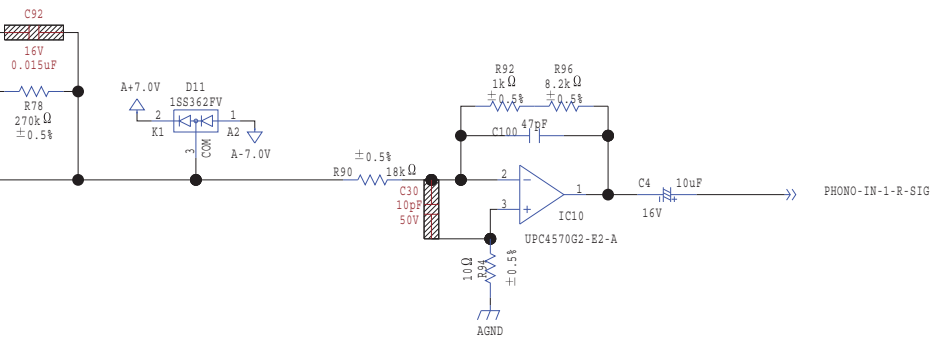
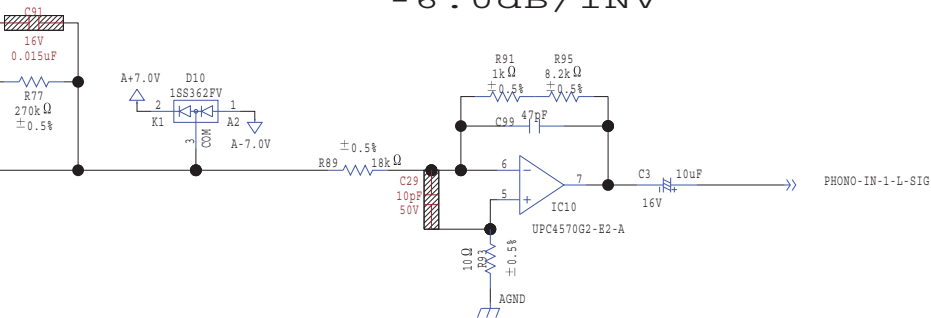
- 4 dB / 1



Inv



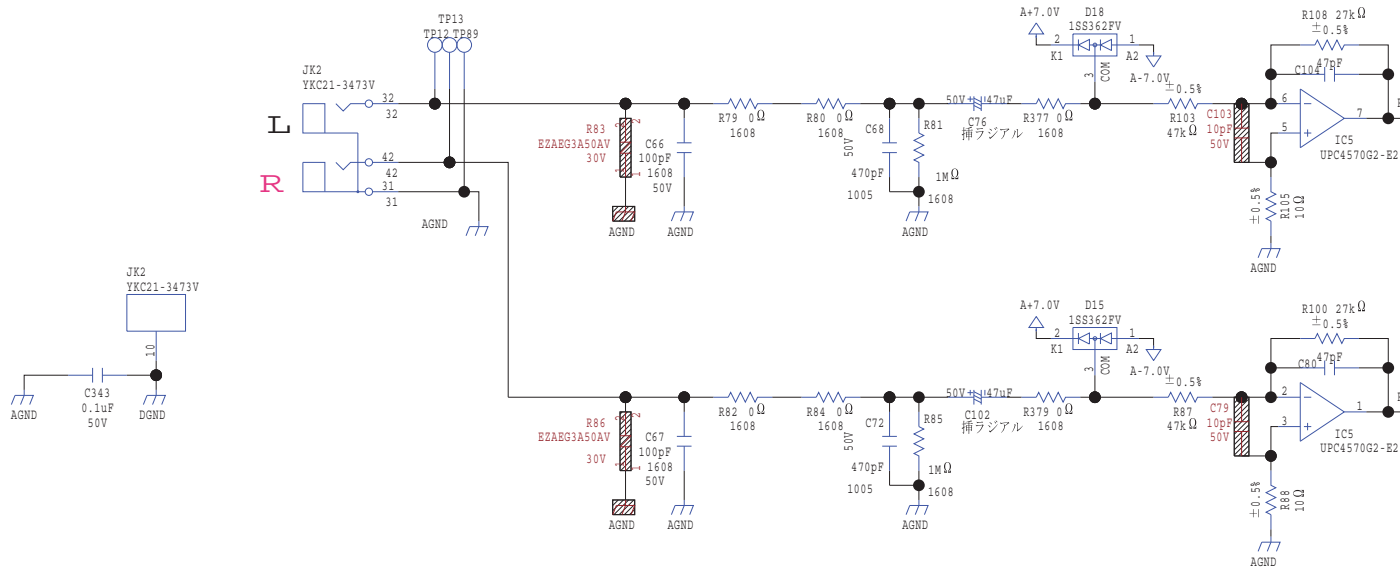
- 6.0dB/INV



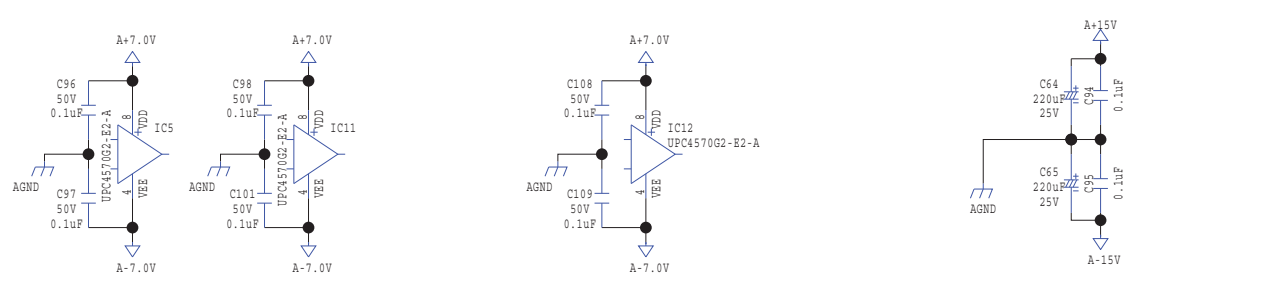
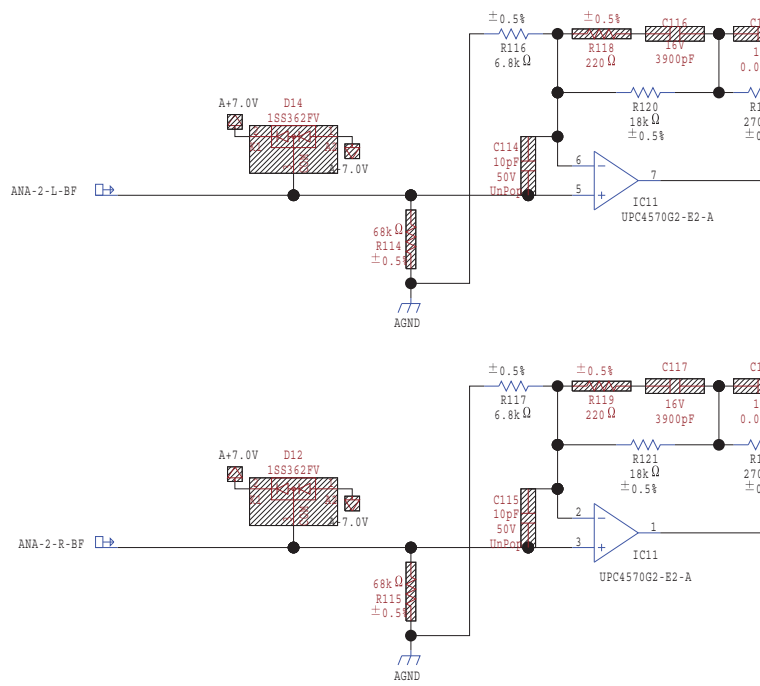
Circuit Diagram (Jack Board: 3/9)

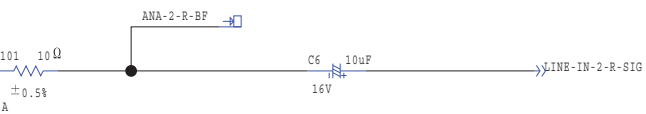
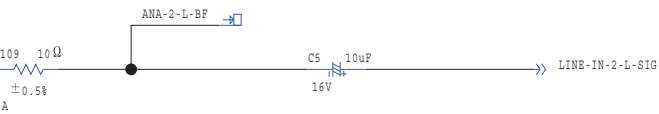
LINE/PHONO IN 2 Block

- 4 dB / In

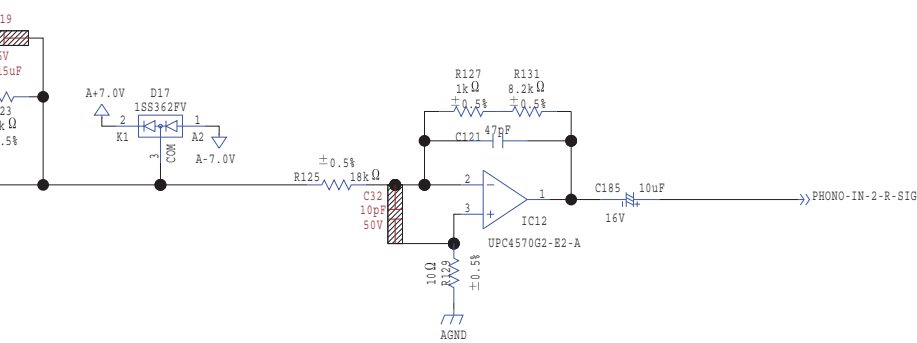
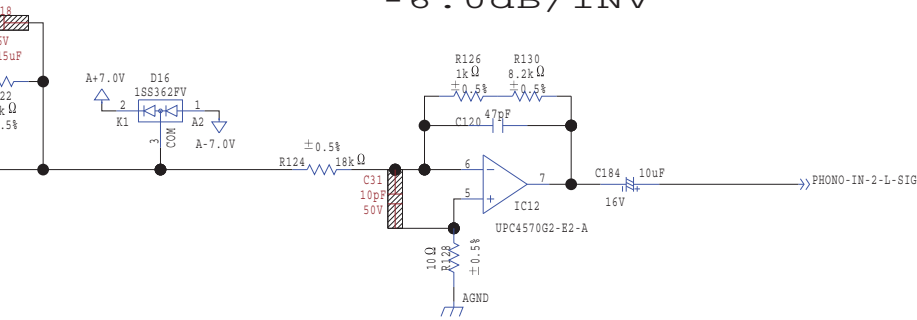


+ 45 dB



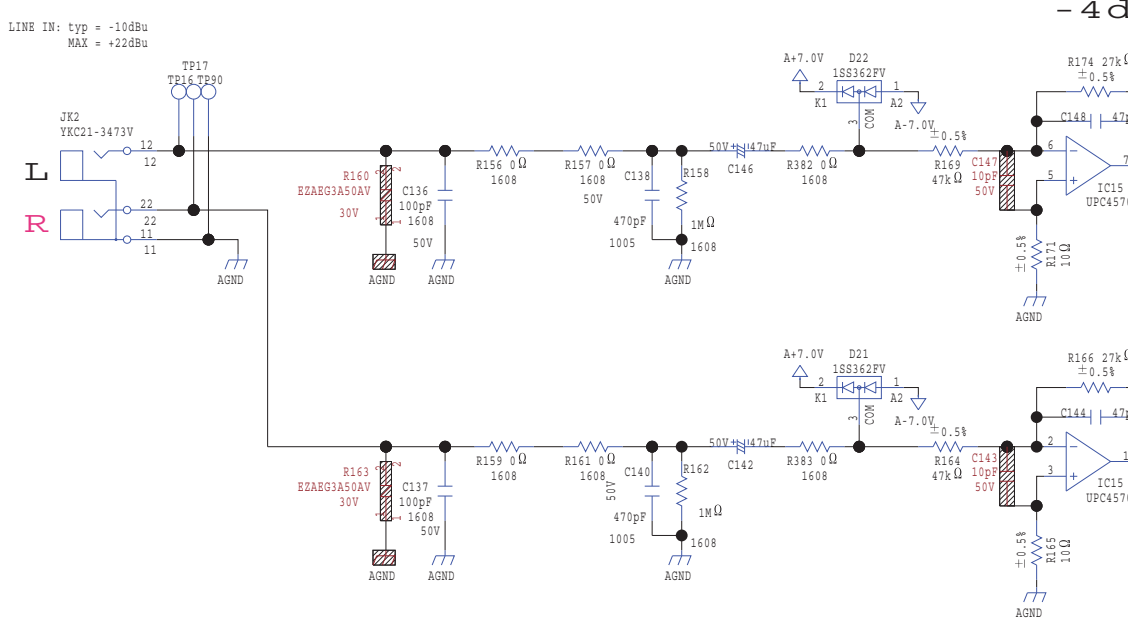
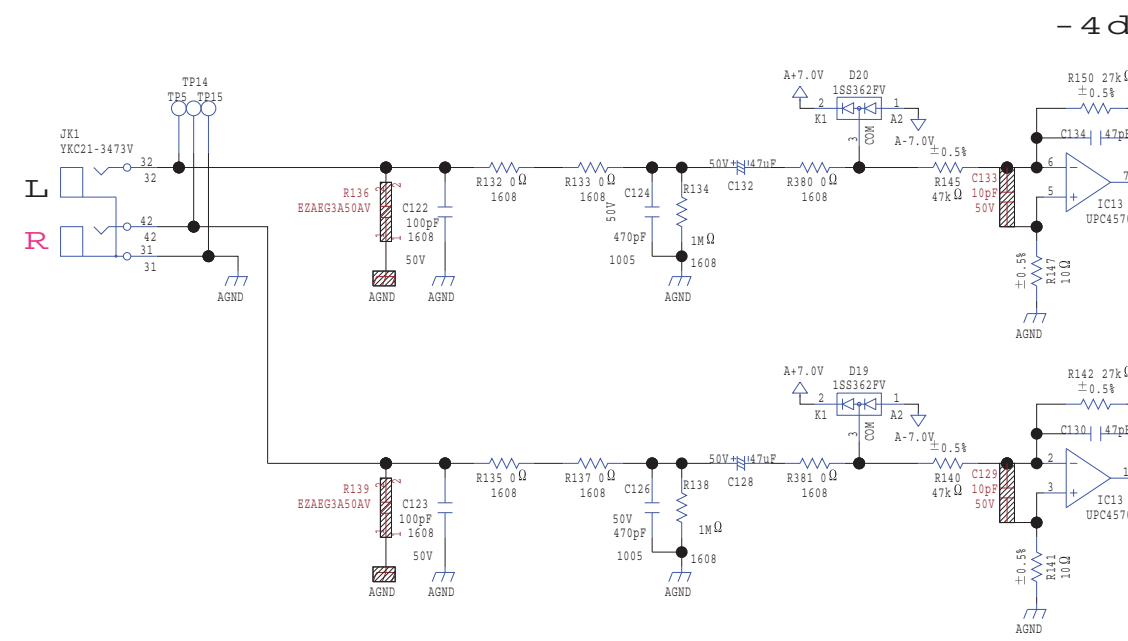


- 6.0dB/INV

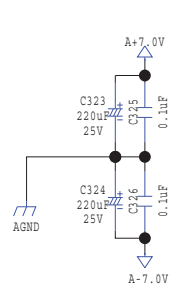
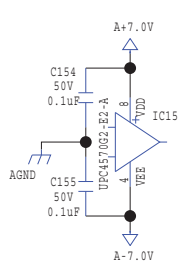
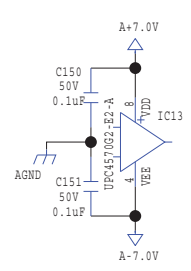


Circuit Diagram (Jack Board: 4/9)

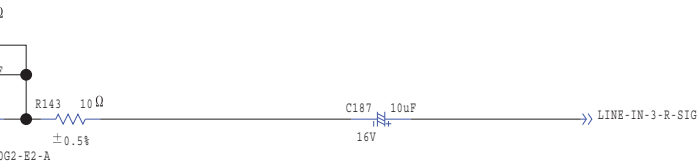
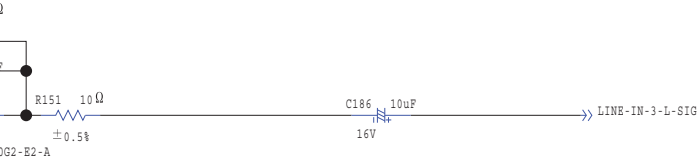
LINE IN 3,4 Block



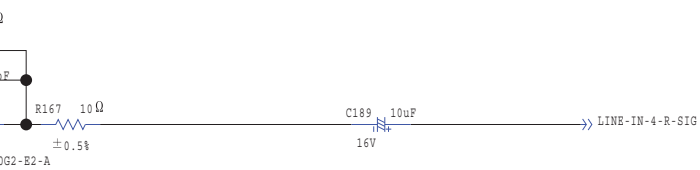
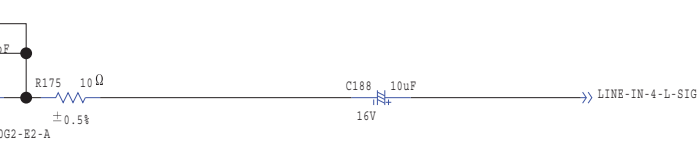
LINE IN: typ = -10dBu
MAX = +22dBu



B/Inv

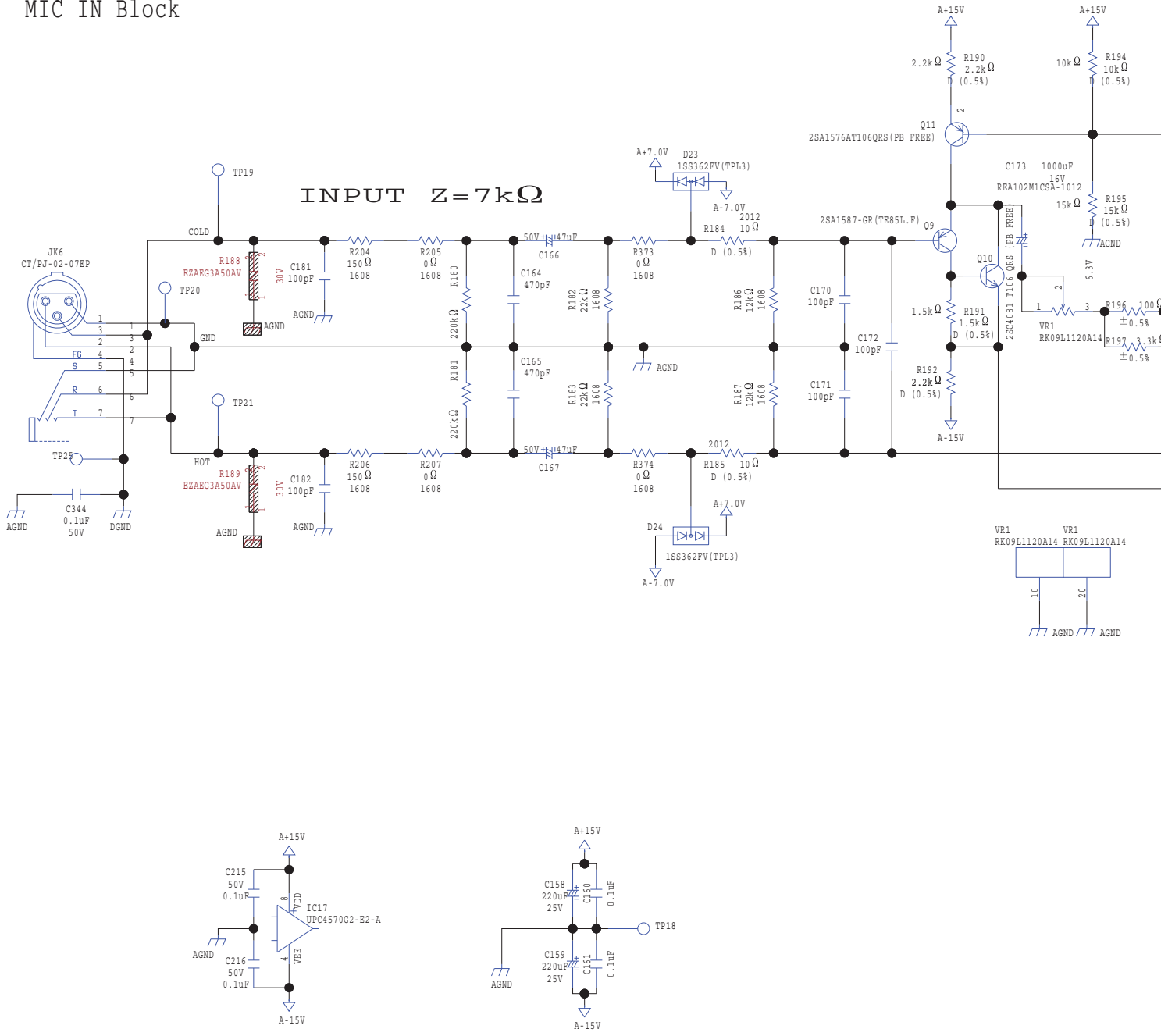


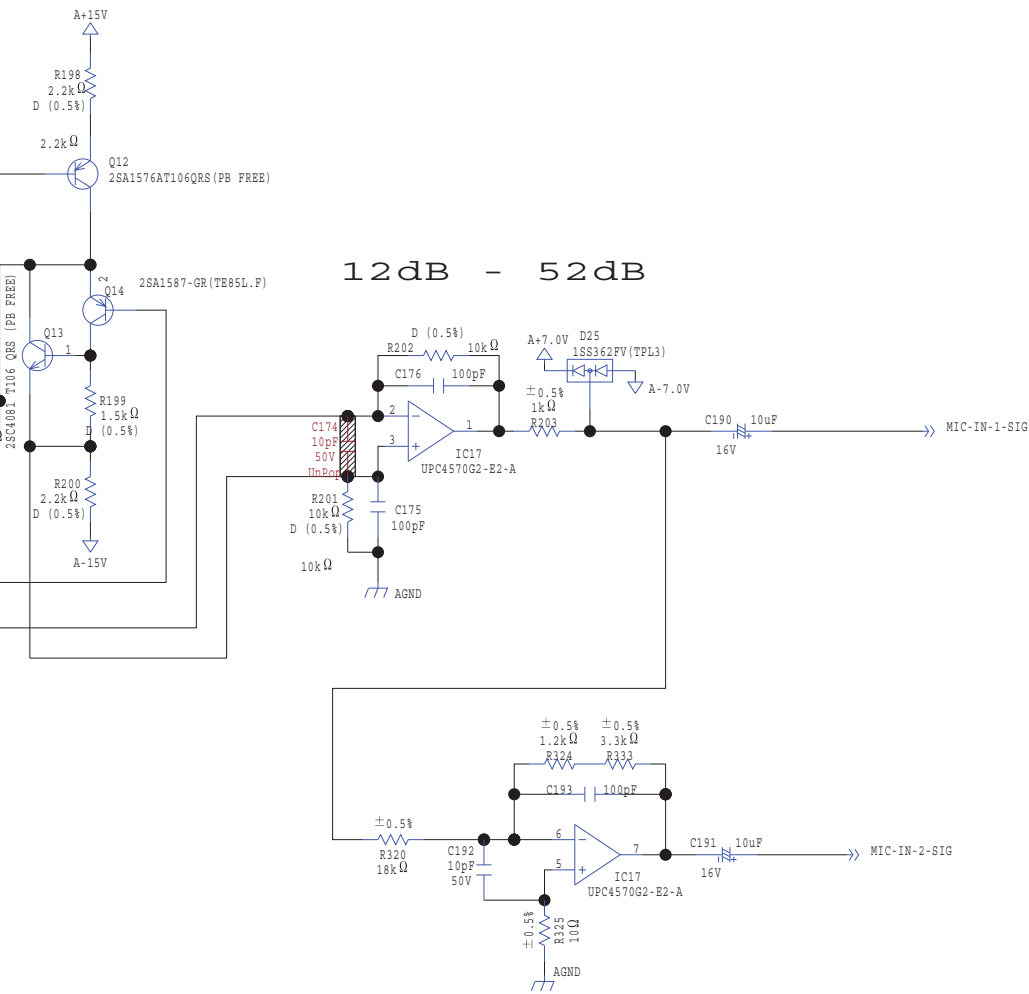
B/Inv



Circuit Diagram (Jack Board: 5/9)

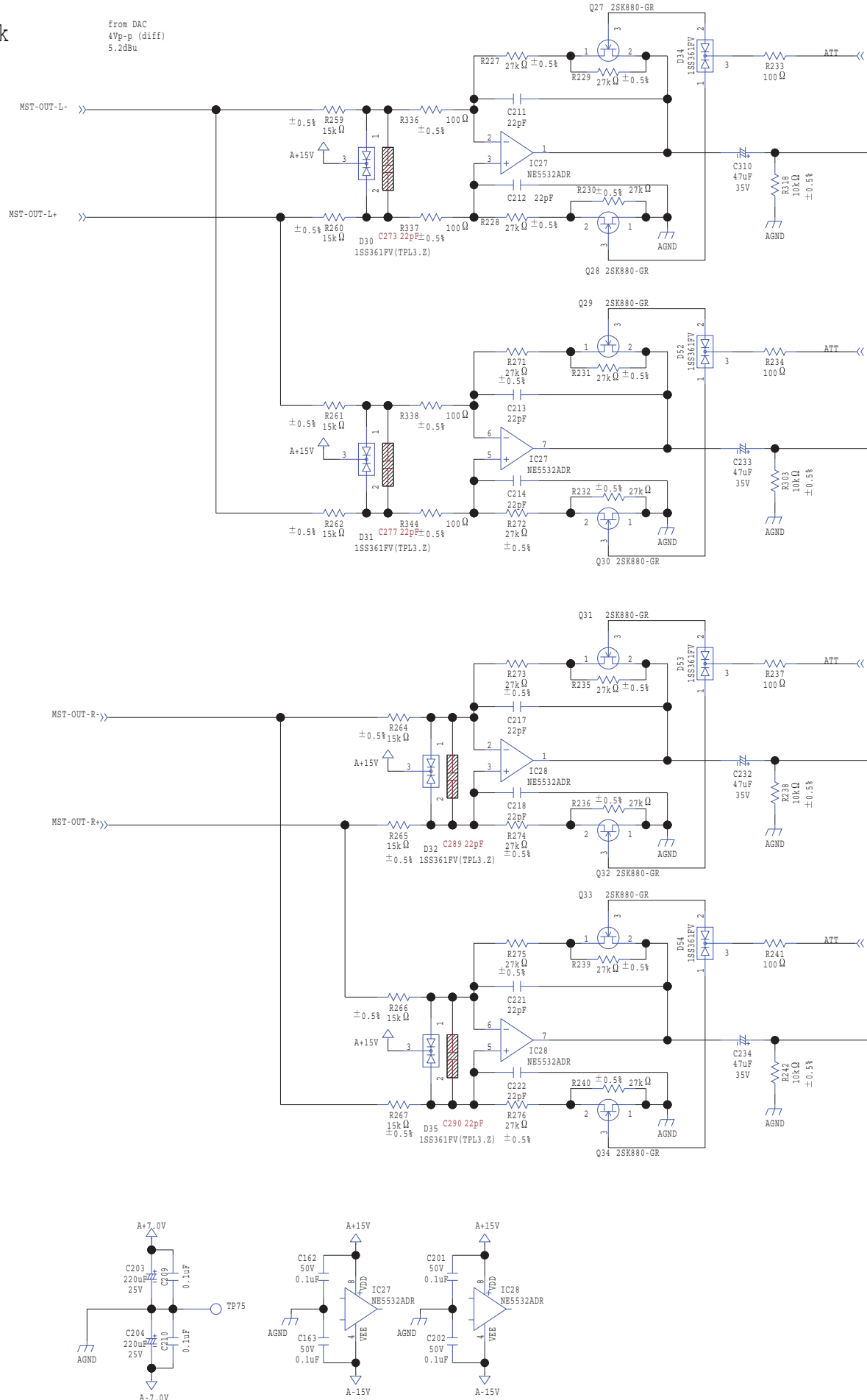
MIC IN Block

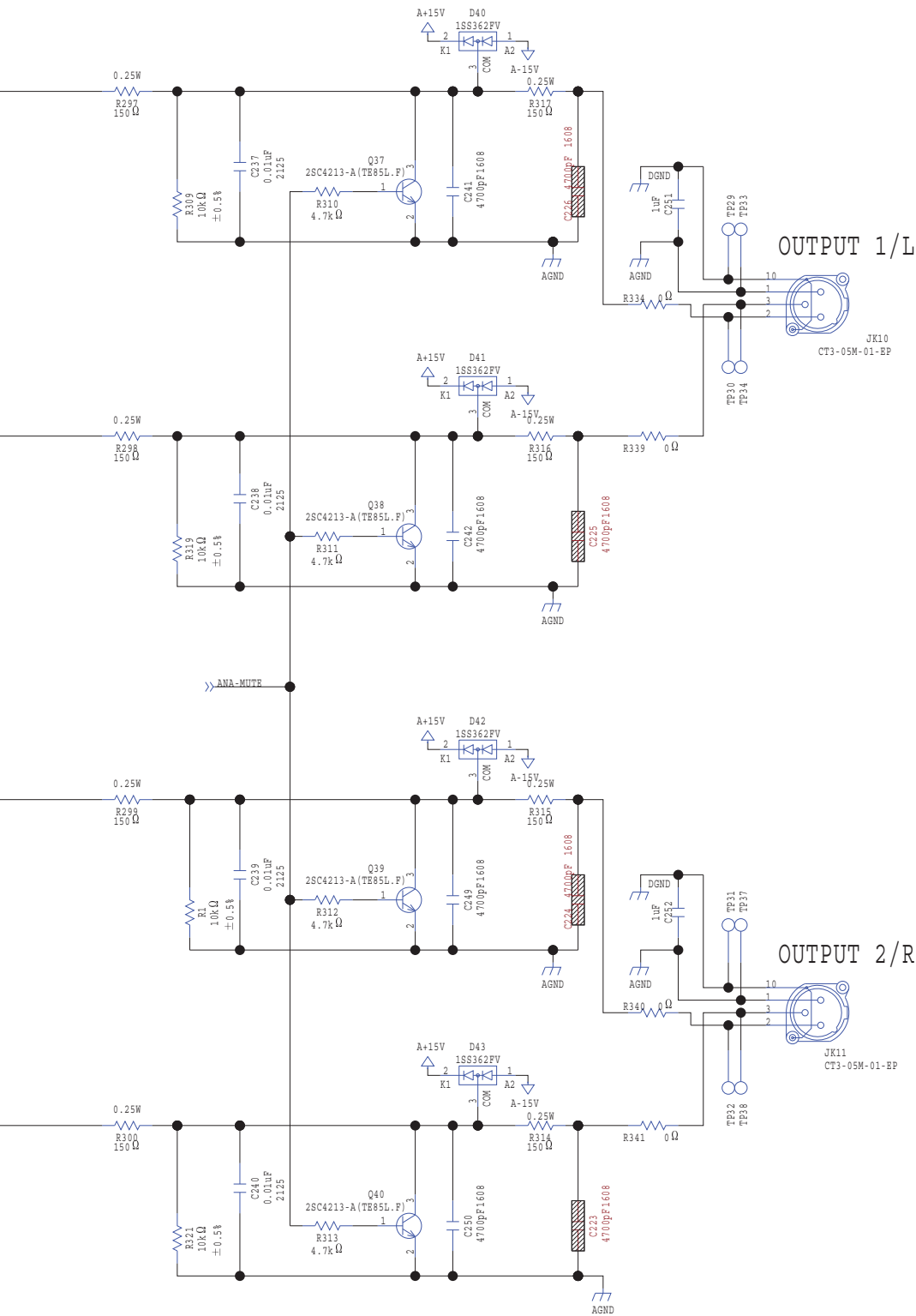




Circuit Diagram (Jack Board: 6/9)

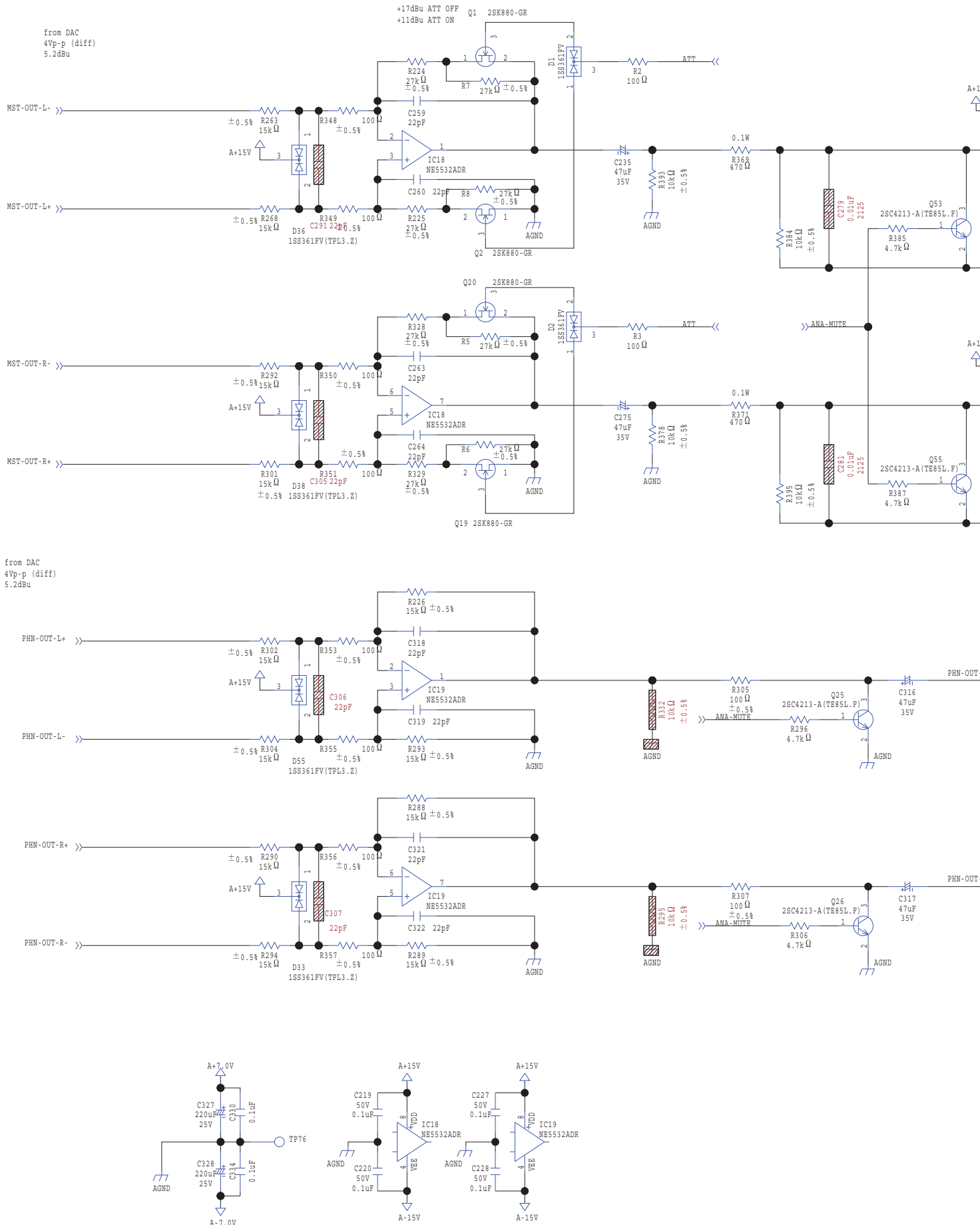
MASTER OUT 1 Block

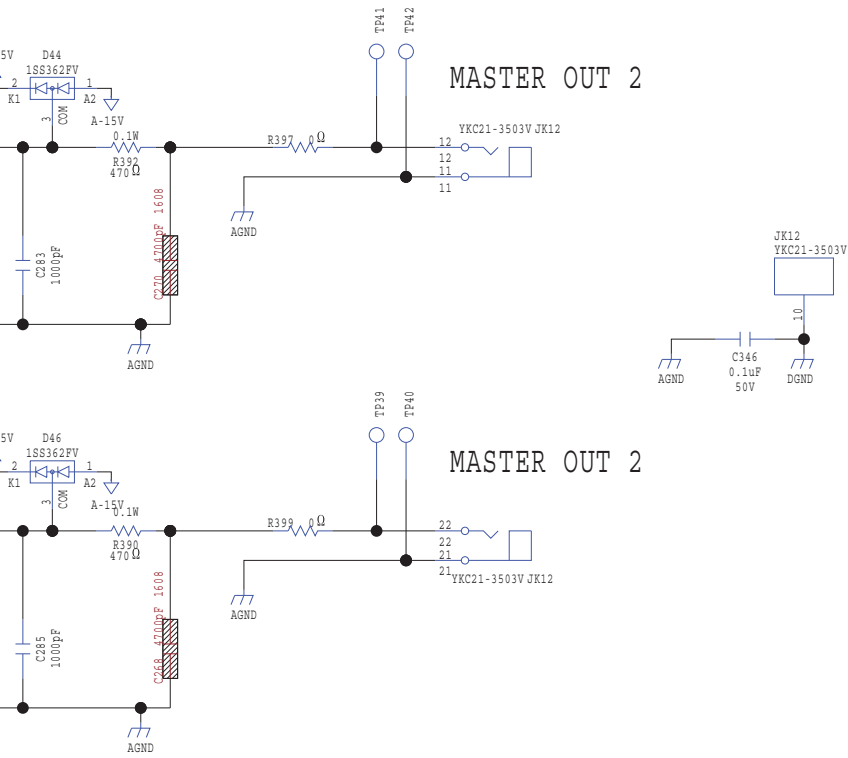




Circuit Diagram (Jack Board: 7/9)

MASTER OUT 2/ PHONES Block



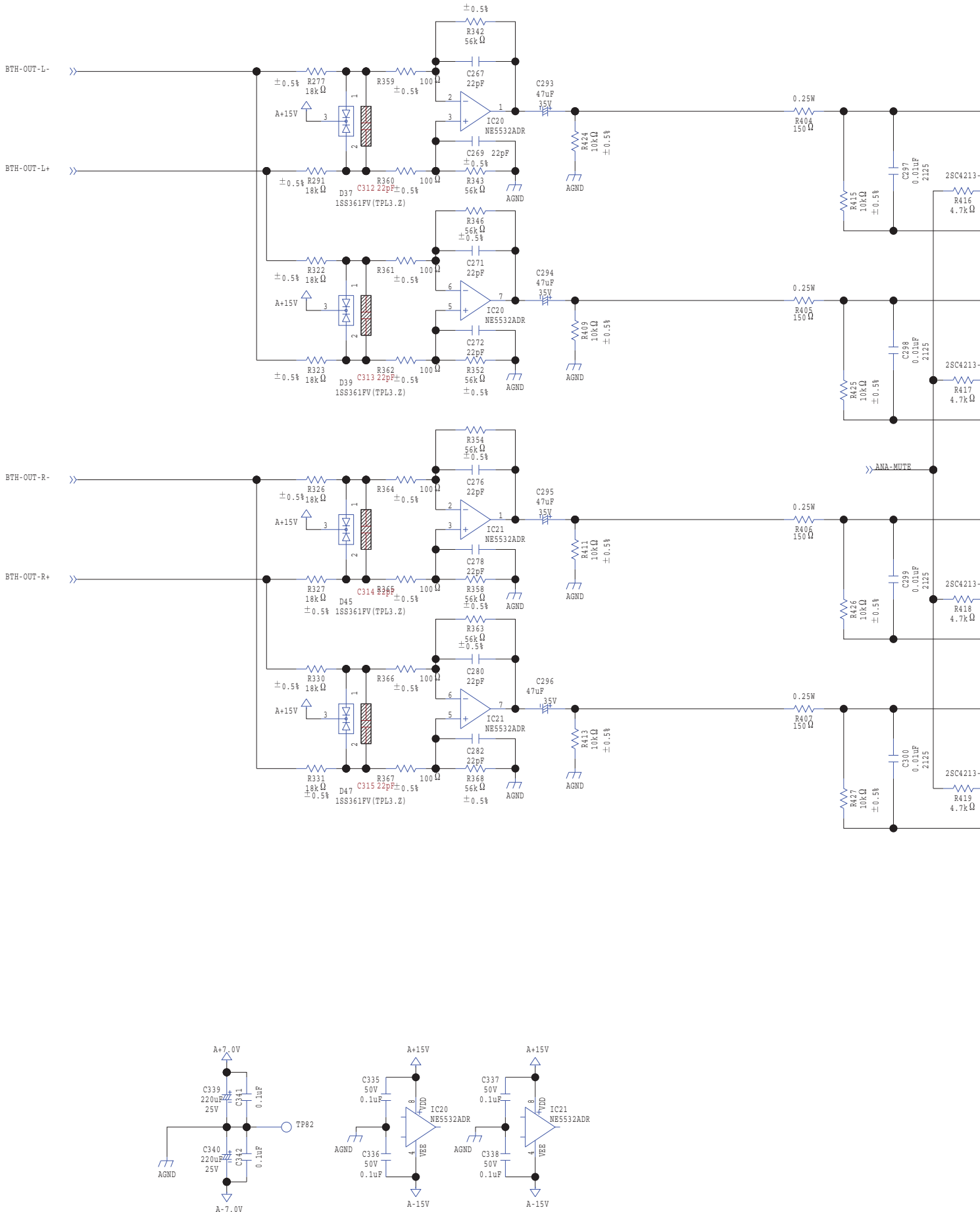


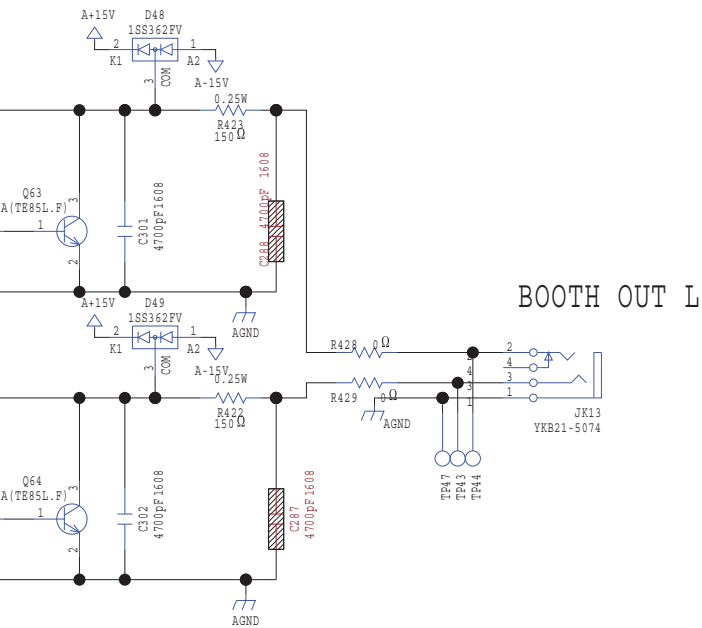
L-SIG →

R-SIG →

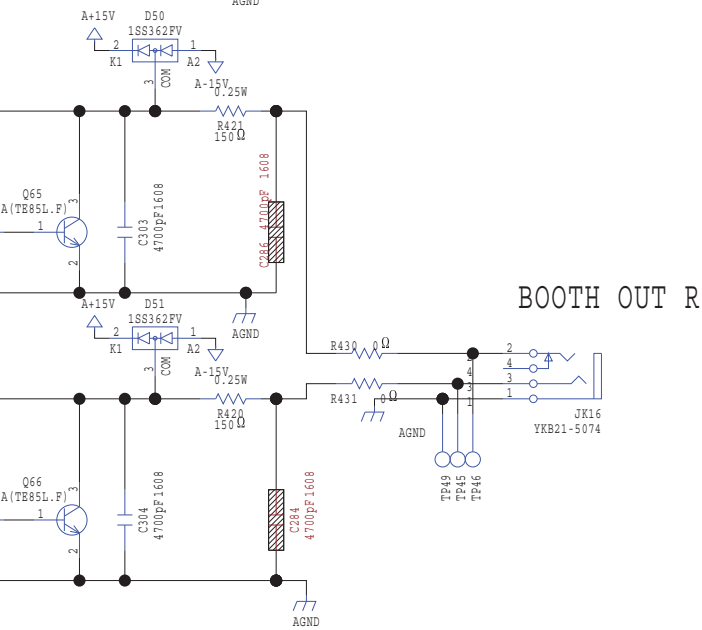
Circuit Diagram (Jack Board: 8/9)

BOOTH OUT 1 Block





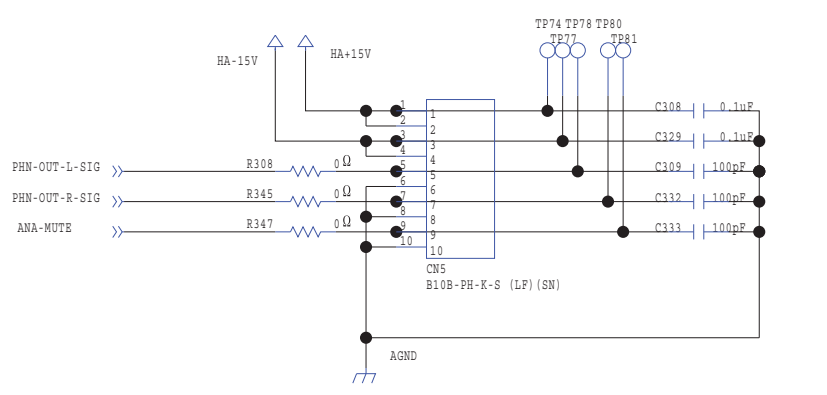
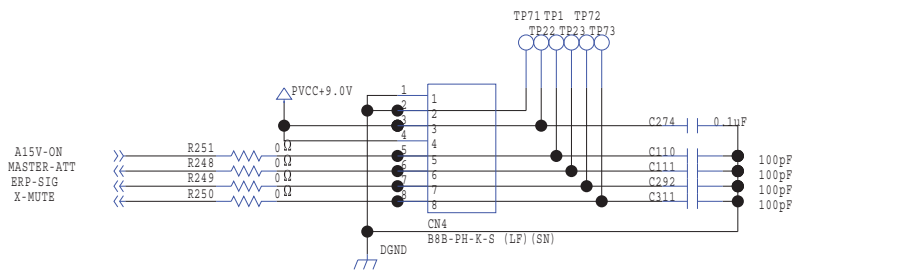
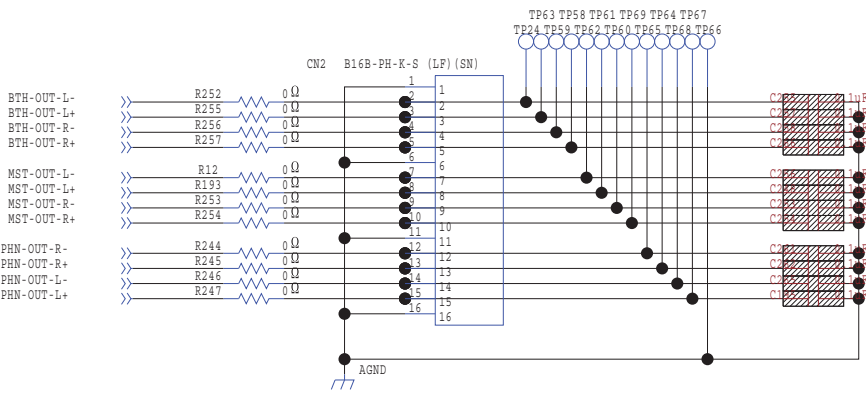
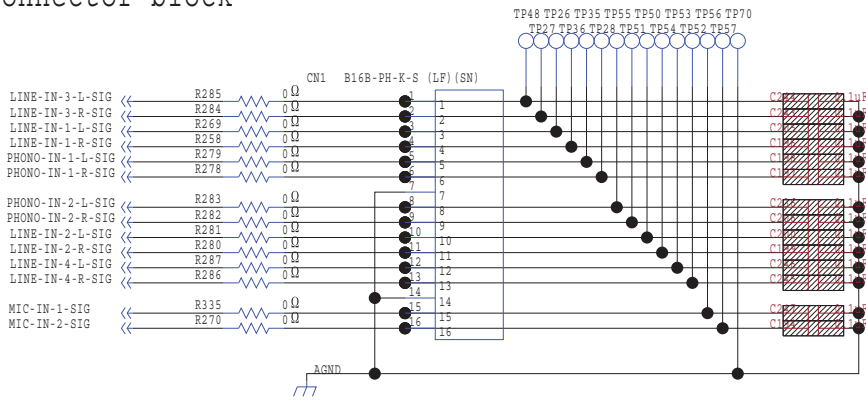
BOOTH OUT L



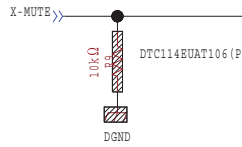
BOOTH OUT R

Circuit Diagram (Jack Board: 9/9)

Connector block

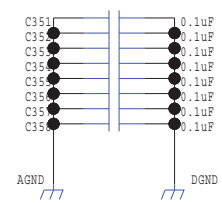
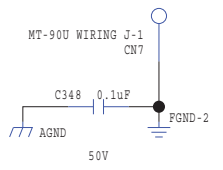
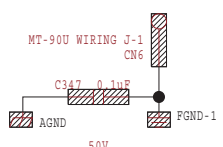
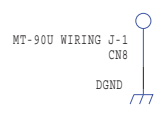
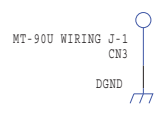
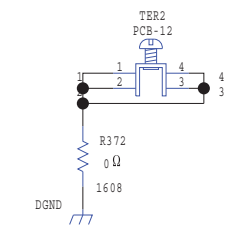
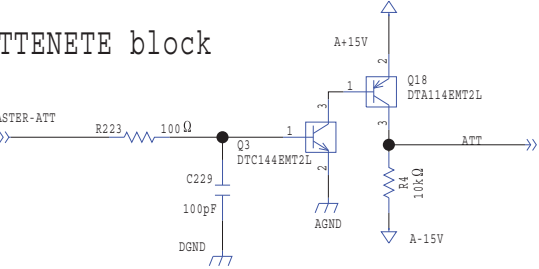
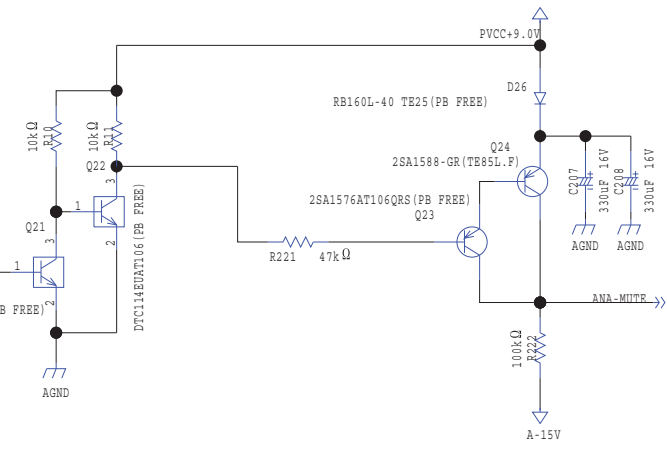


MUTE block



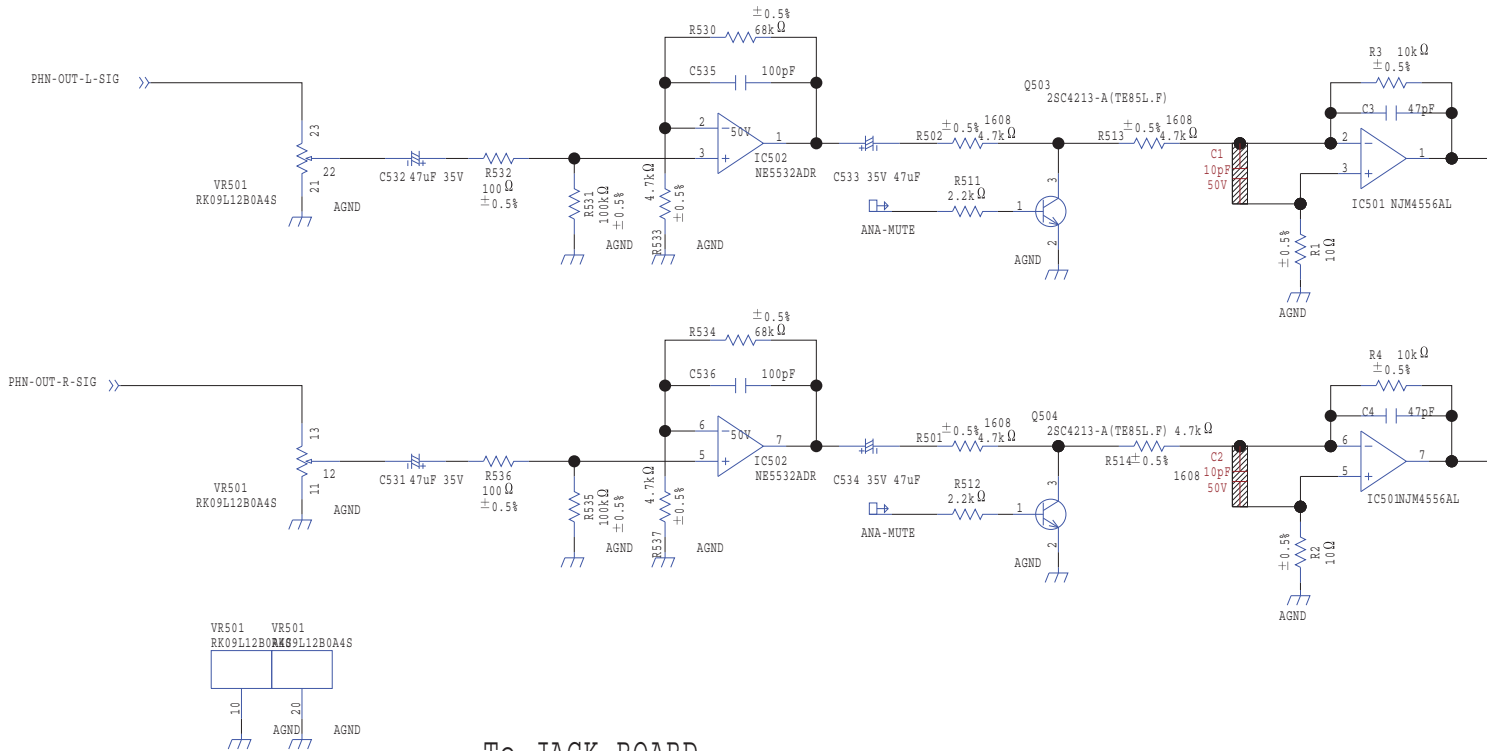
To MAIN board

To PHONES board

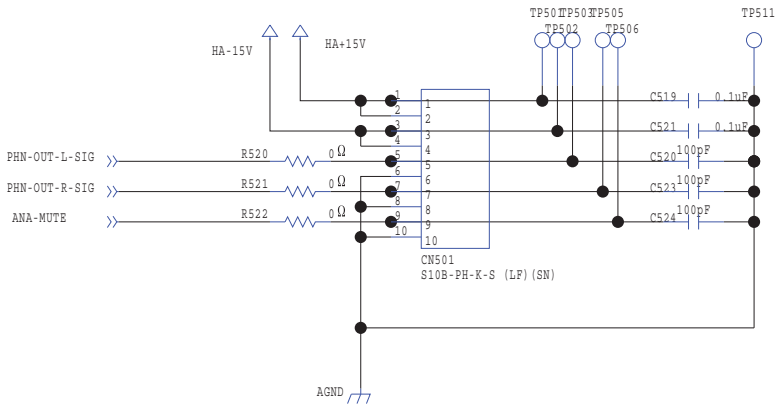


Circuit Diagram (Phones Board)

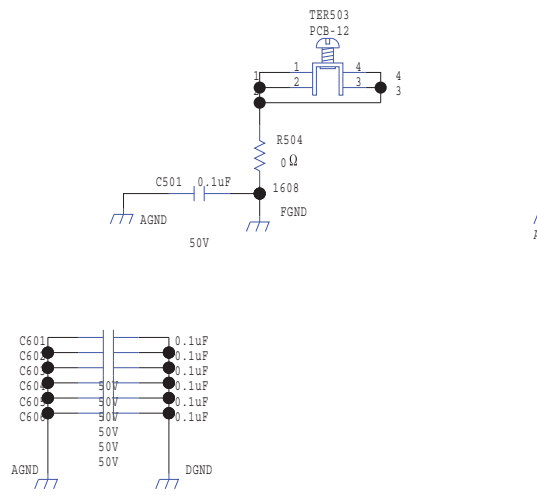
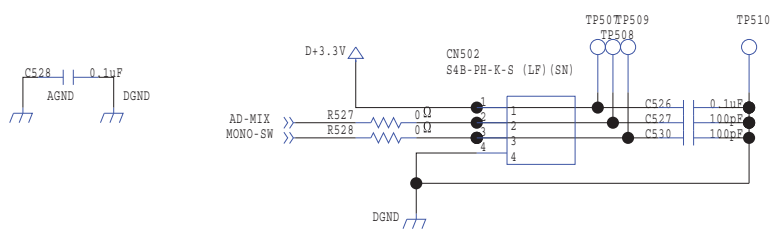
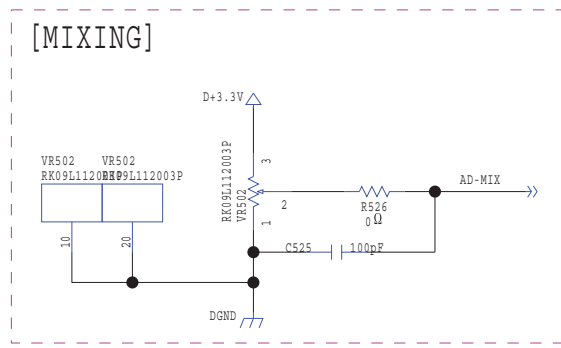
PHONES block

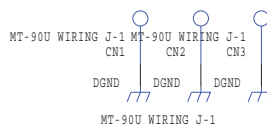
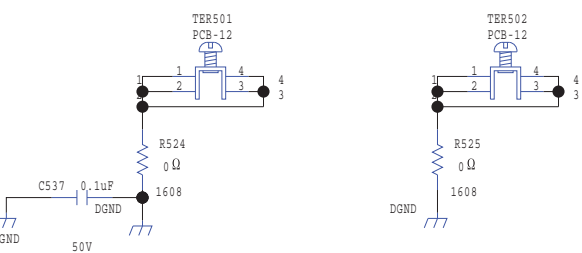
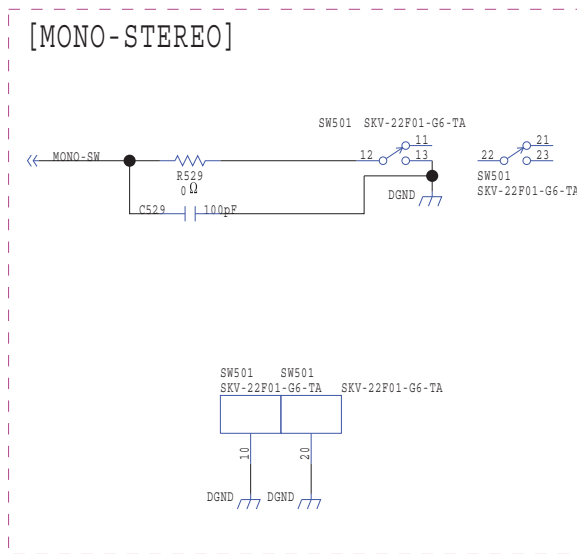
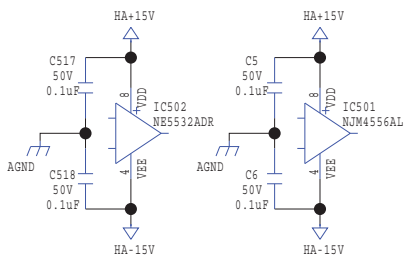
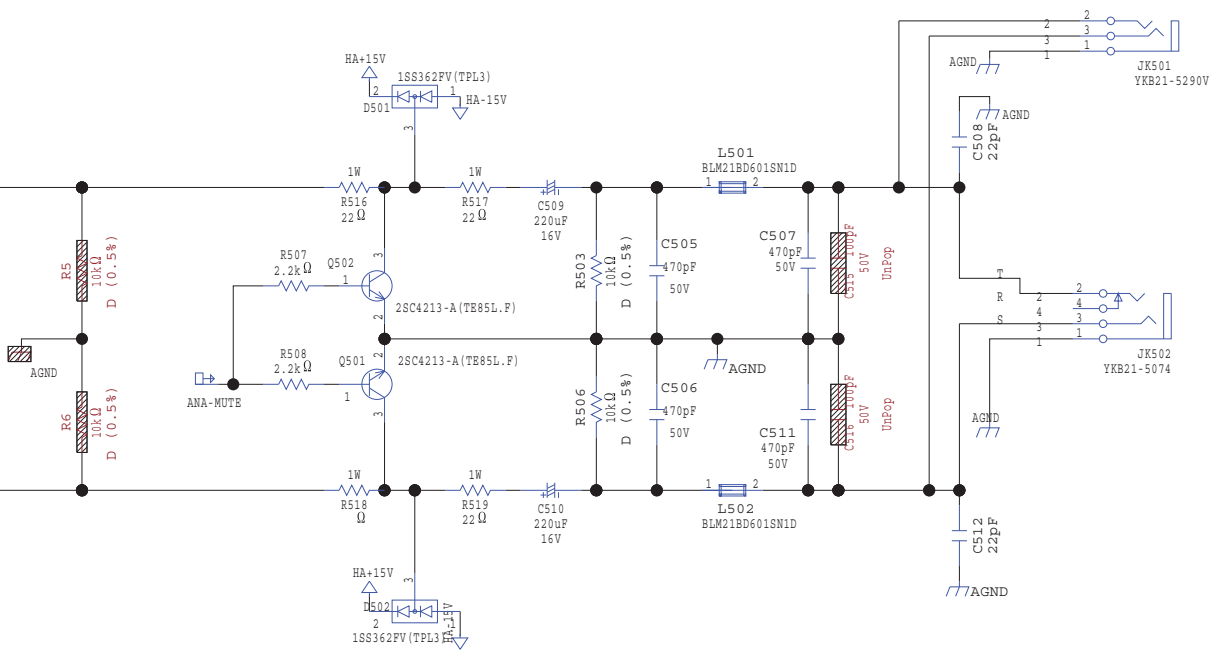


To JACK BOARD

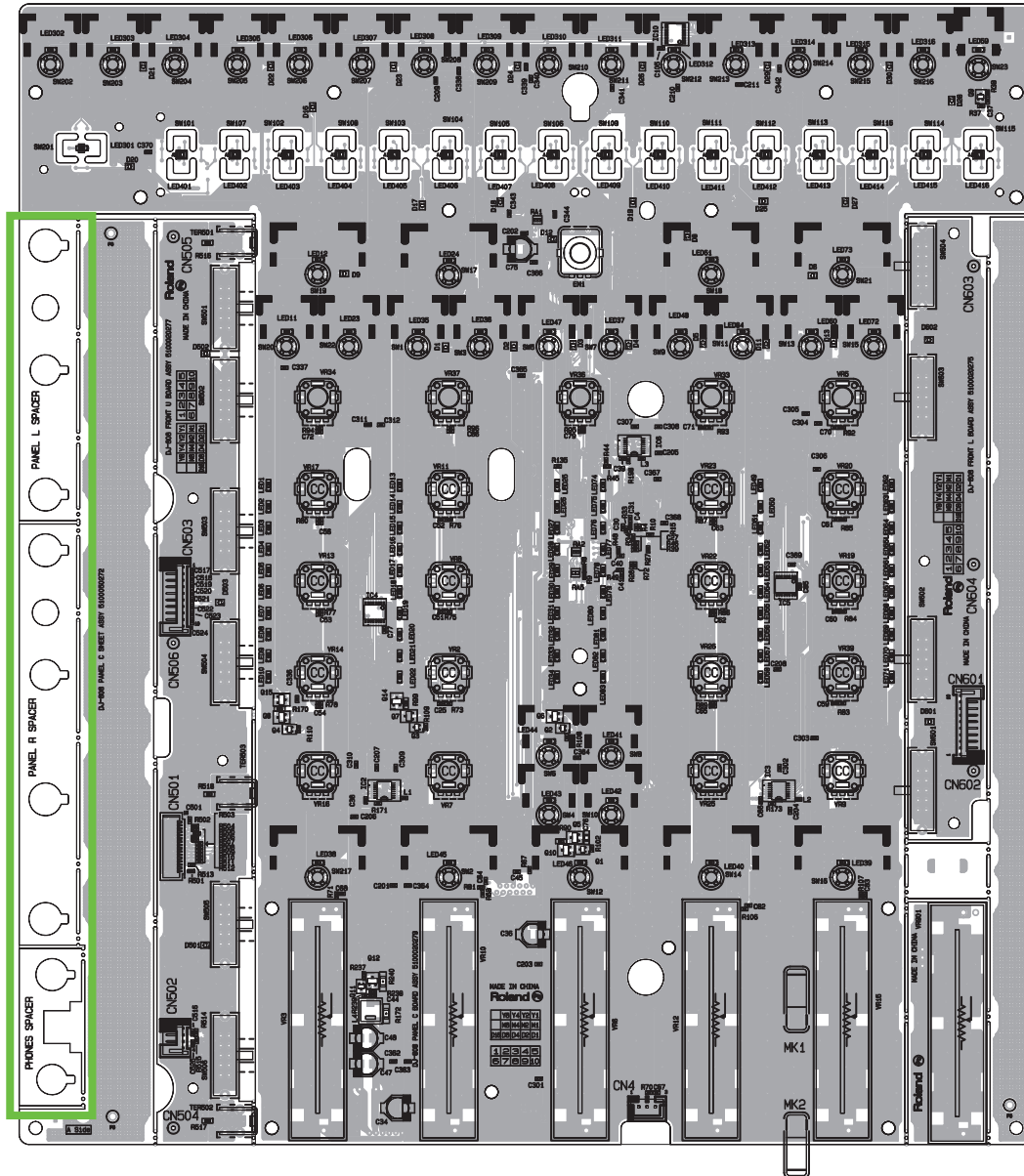


To FRONT U BOARD

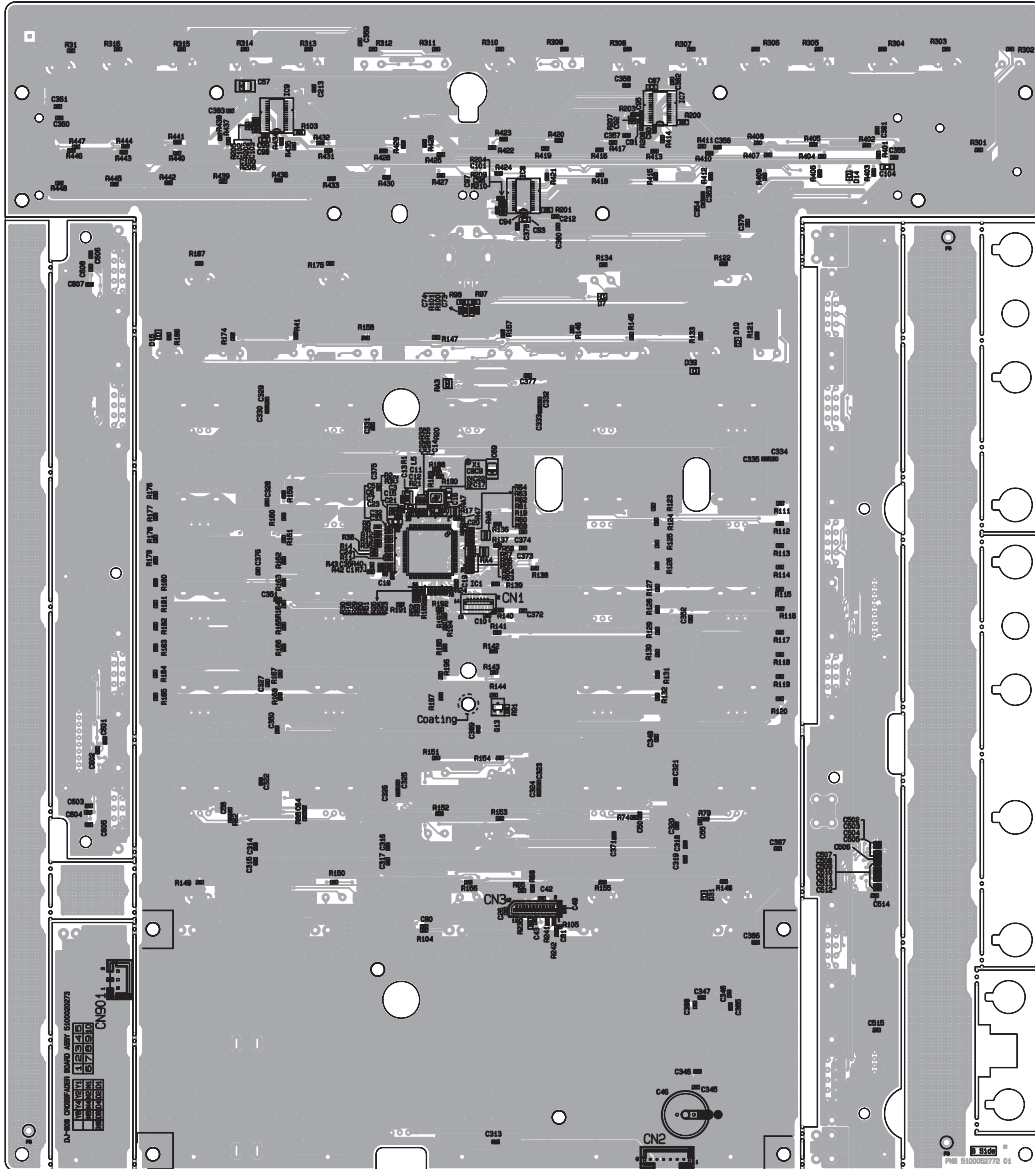




Circuit Board (Panel C, Front U, Front L, Crossfader Board)

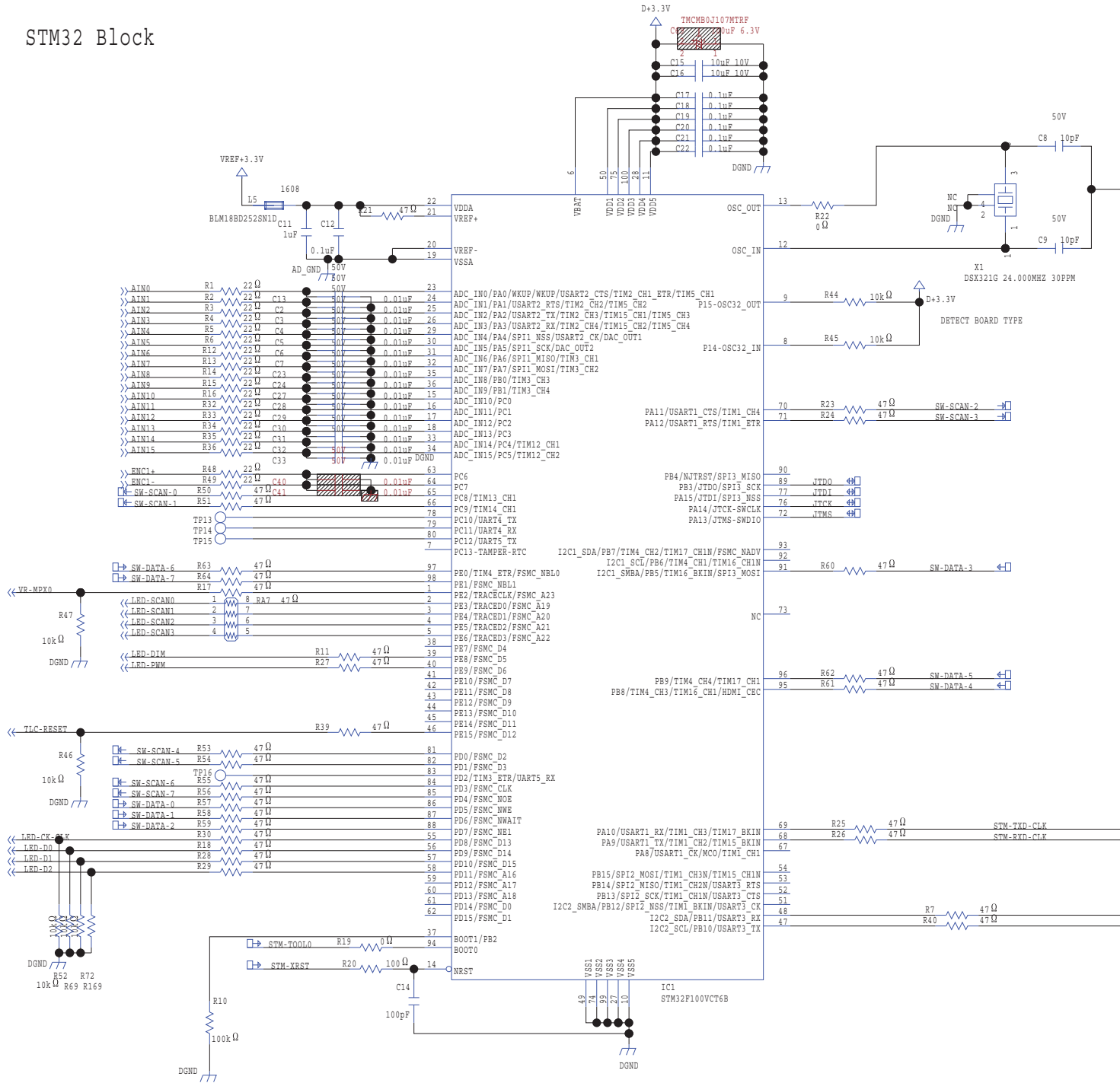


* Use the breakaway board in the green box as the parts. Refer to No. 11, 12 and 18 in Exploded View (1) in DJ-808 Service Notes English (1/2).

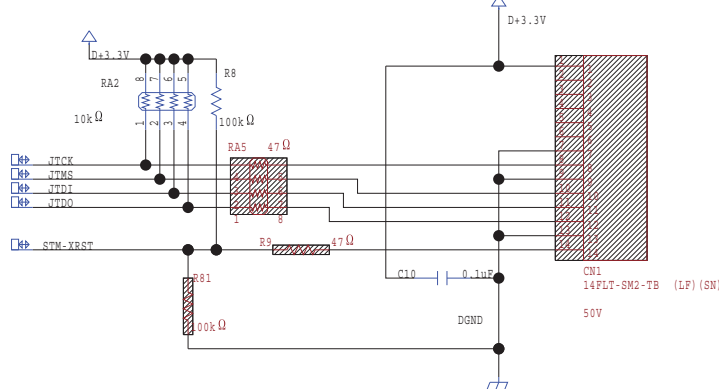


Circuit Diagram (Panel C Board: 1/6)

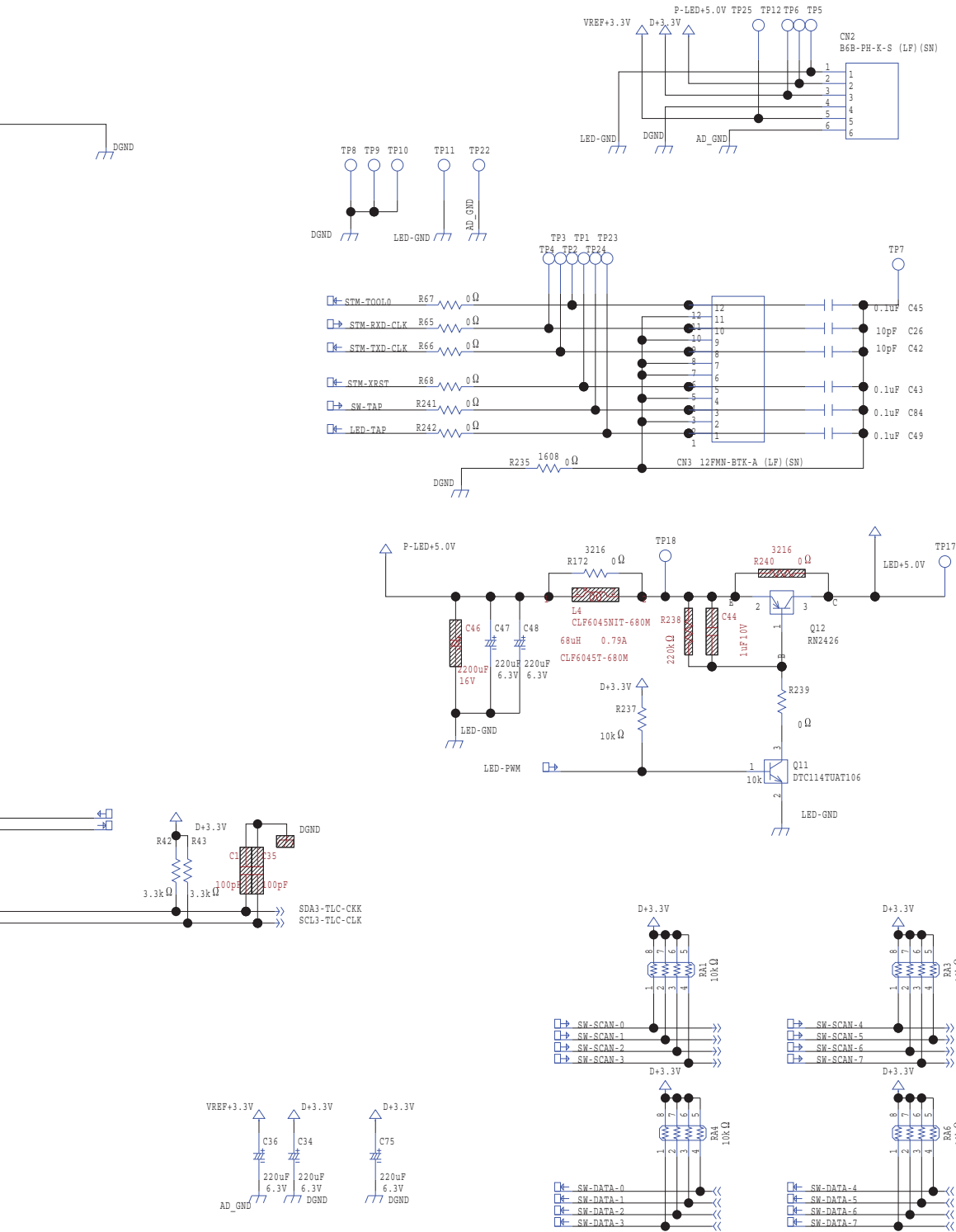
STM32 Block



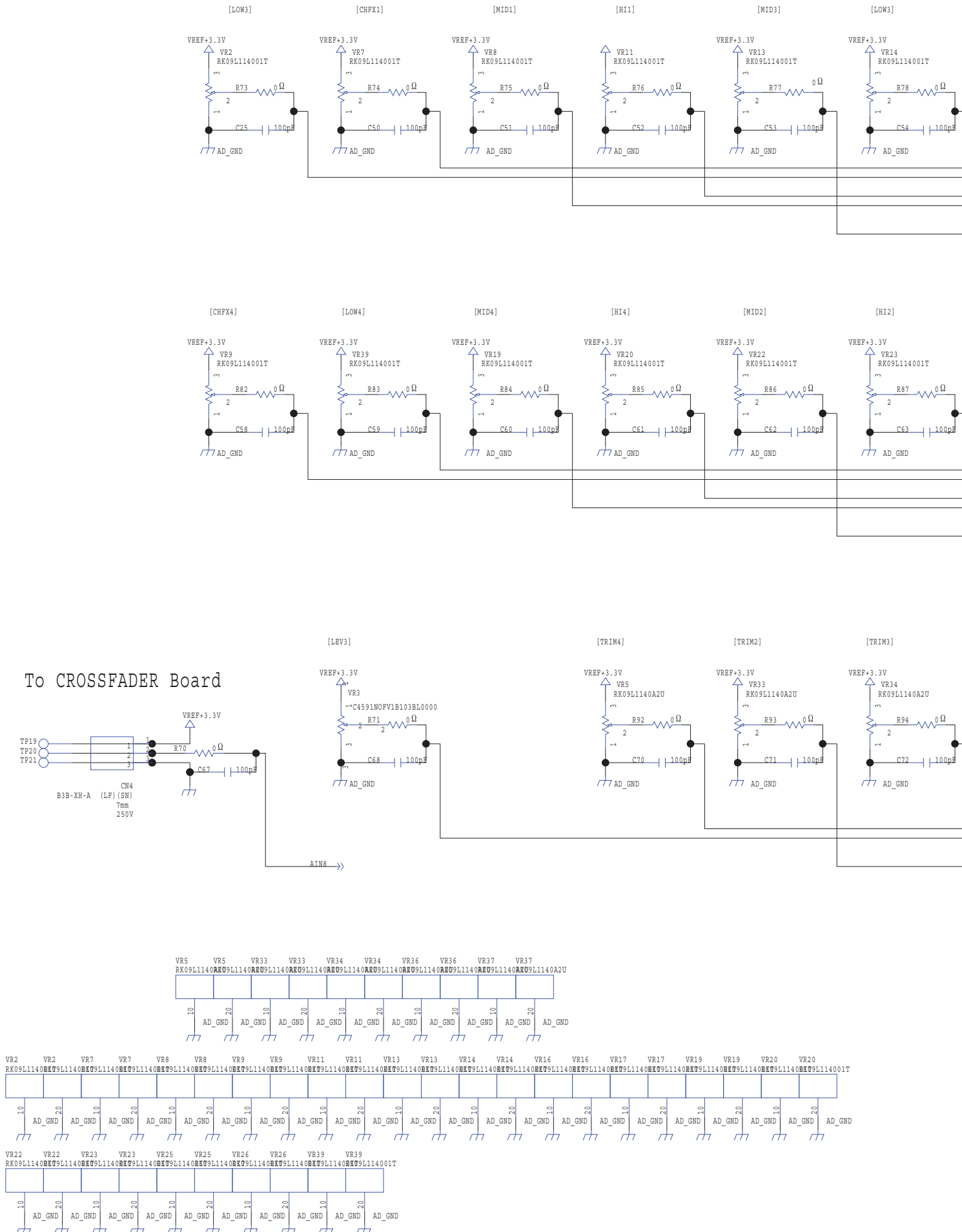
DEBUG CONNECTOR BLOCK

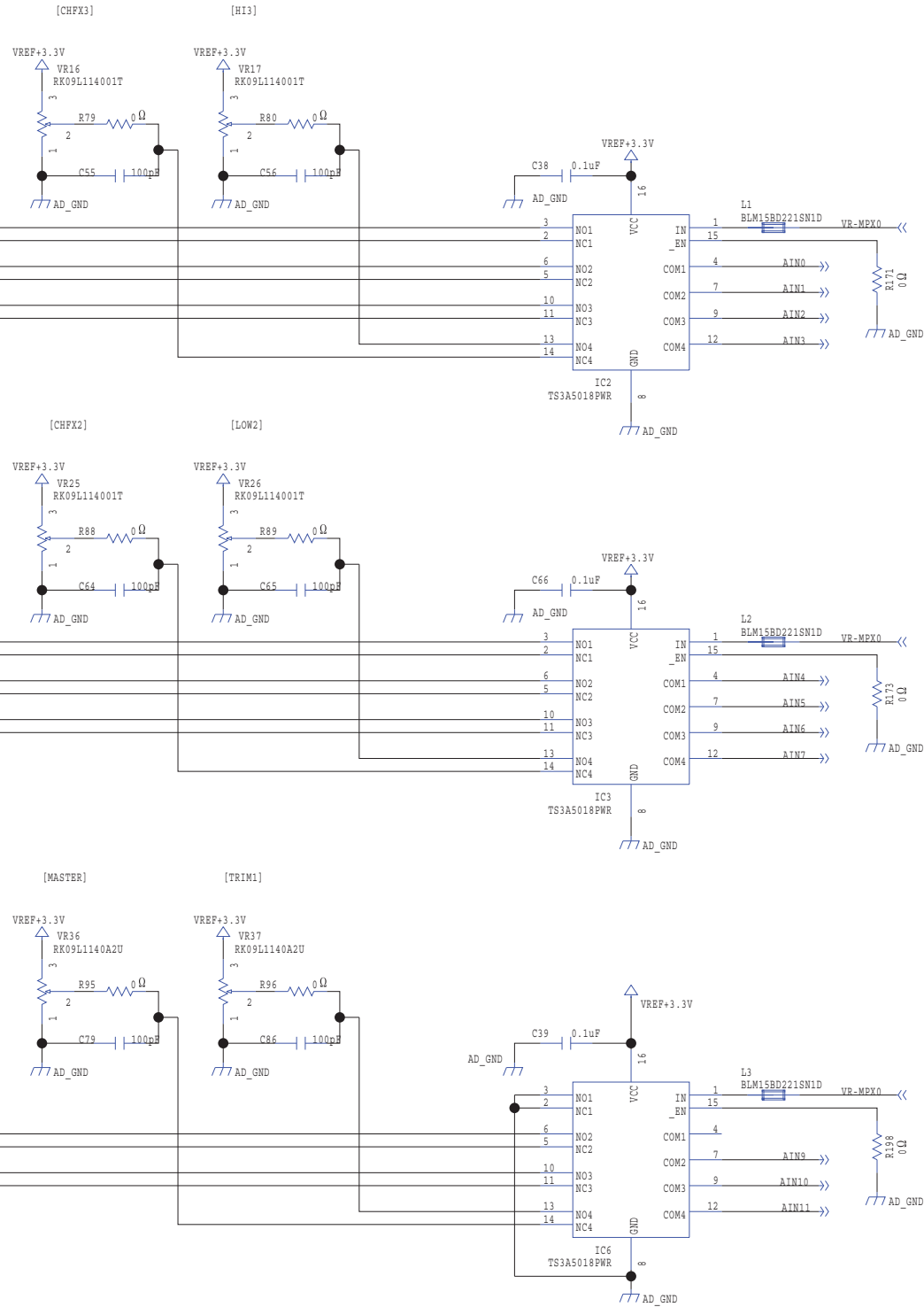


MAIN BOARD CONNECTOR BLOCK

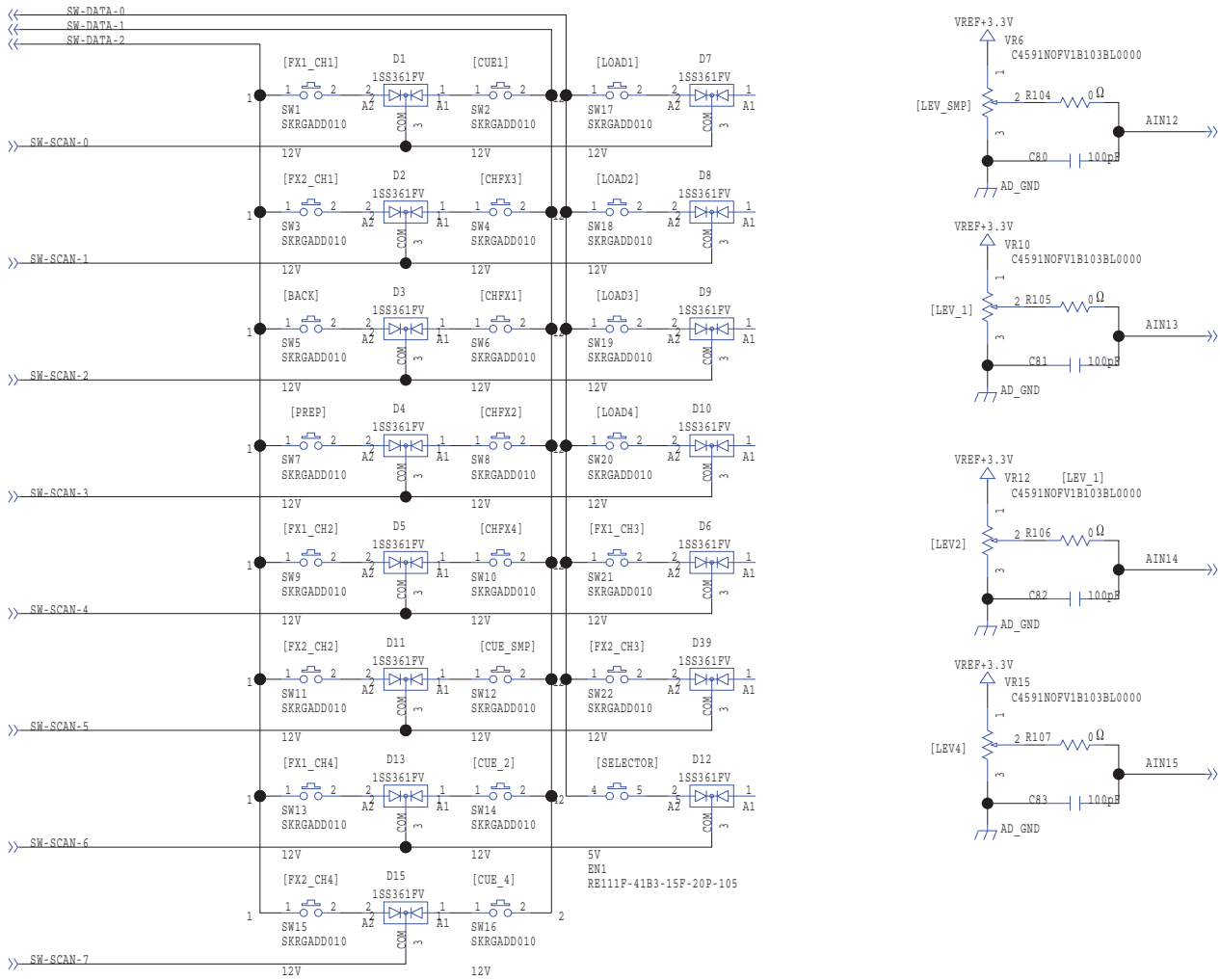


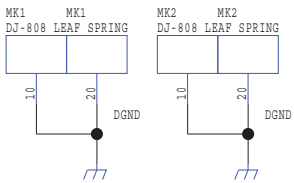
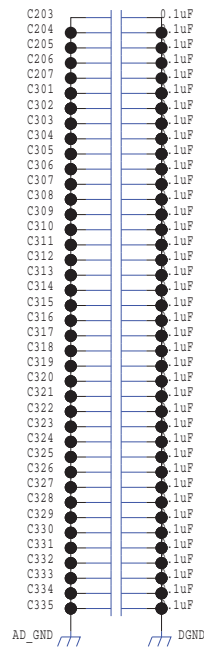
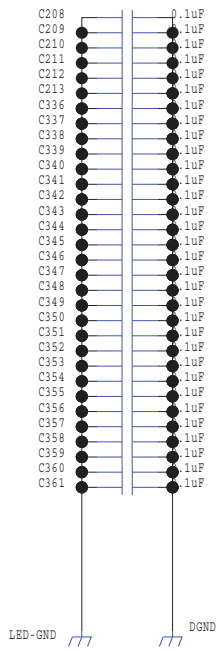
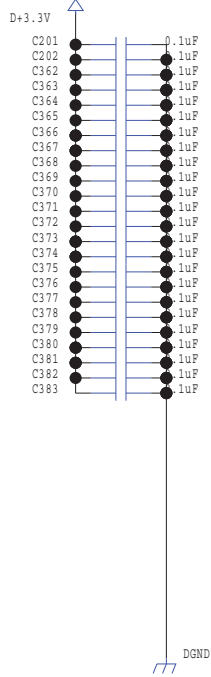
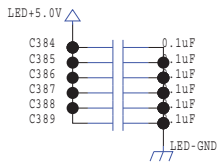
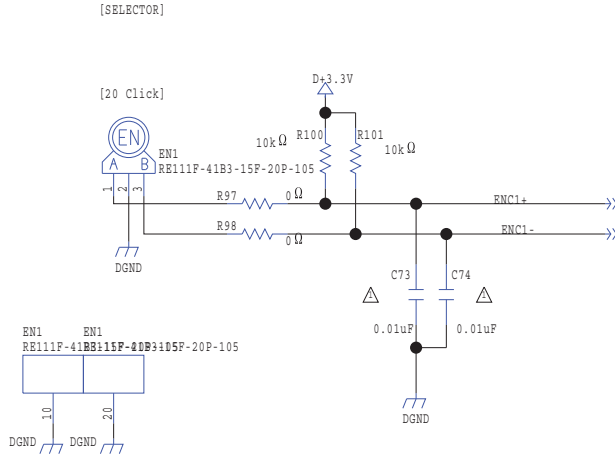
Circuit Diagram (Panel C Board: 2/6)



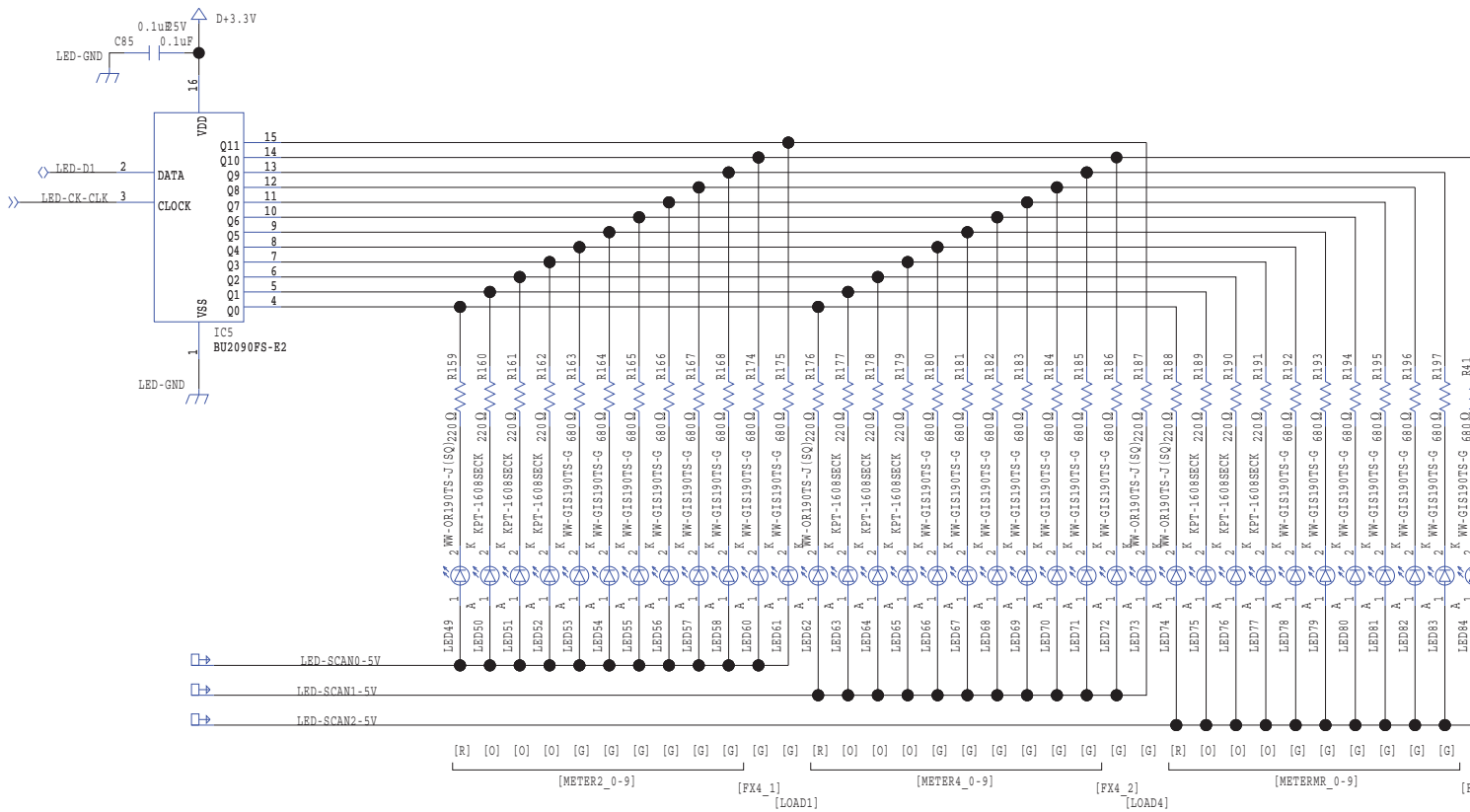
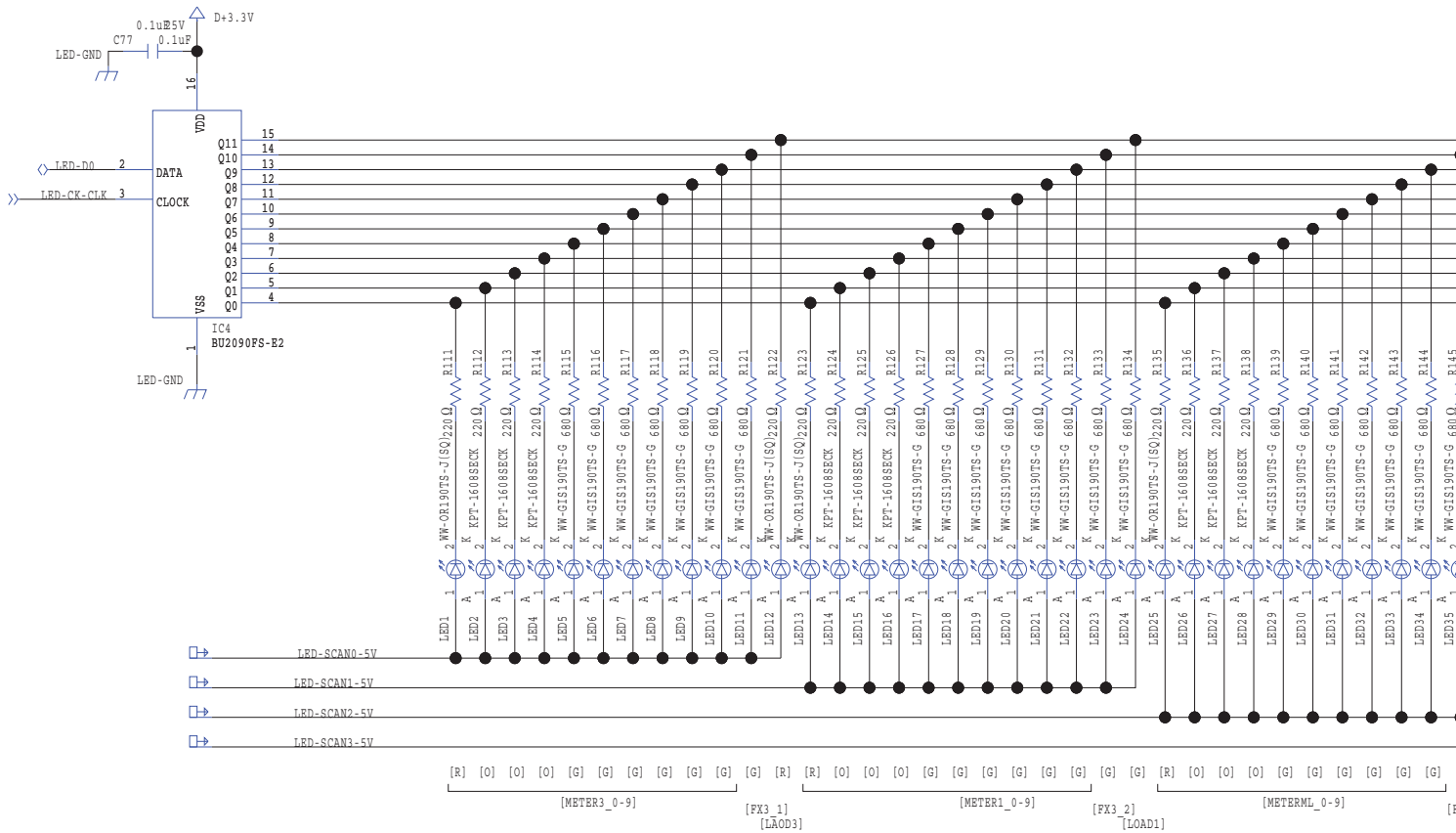


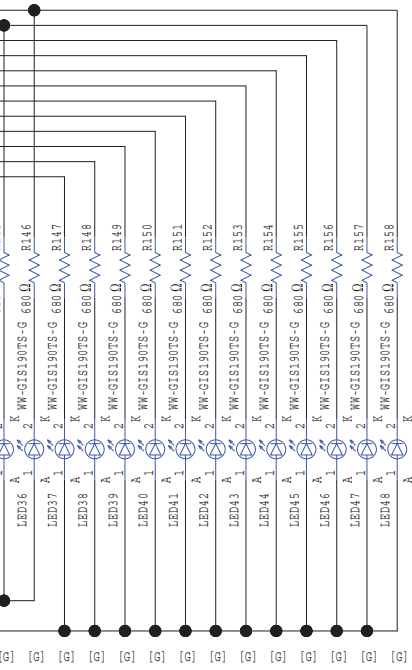
Circuit Diagram (Panel C Board: 3/6)



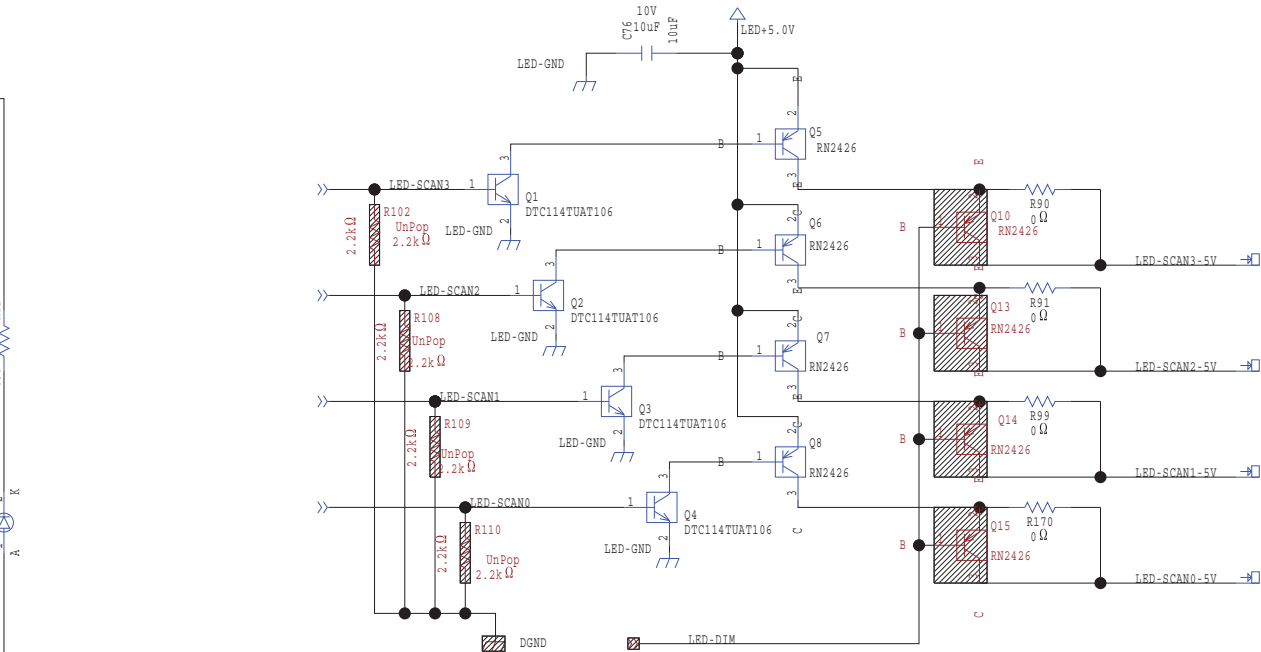


Circuit Diagram (Panel C Board: 4/6)





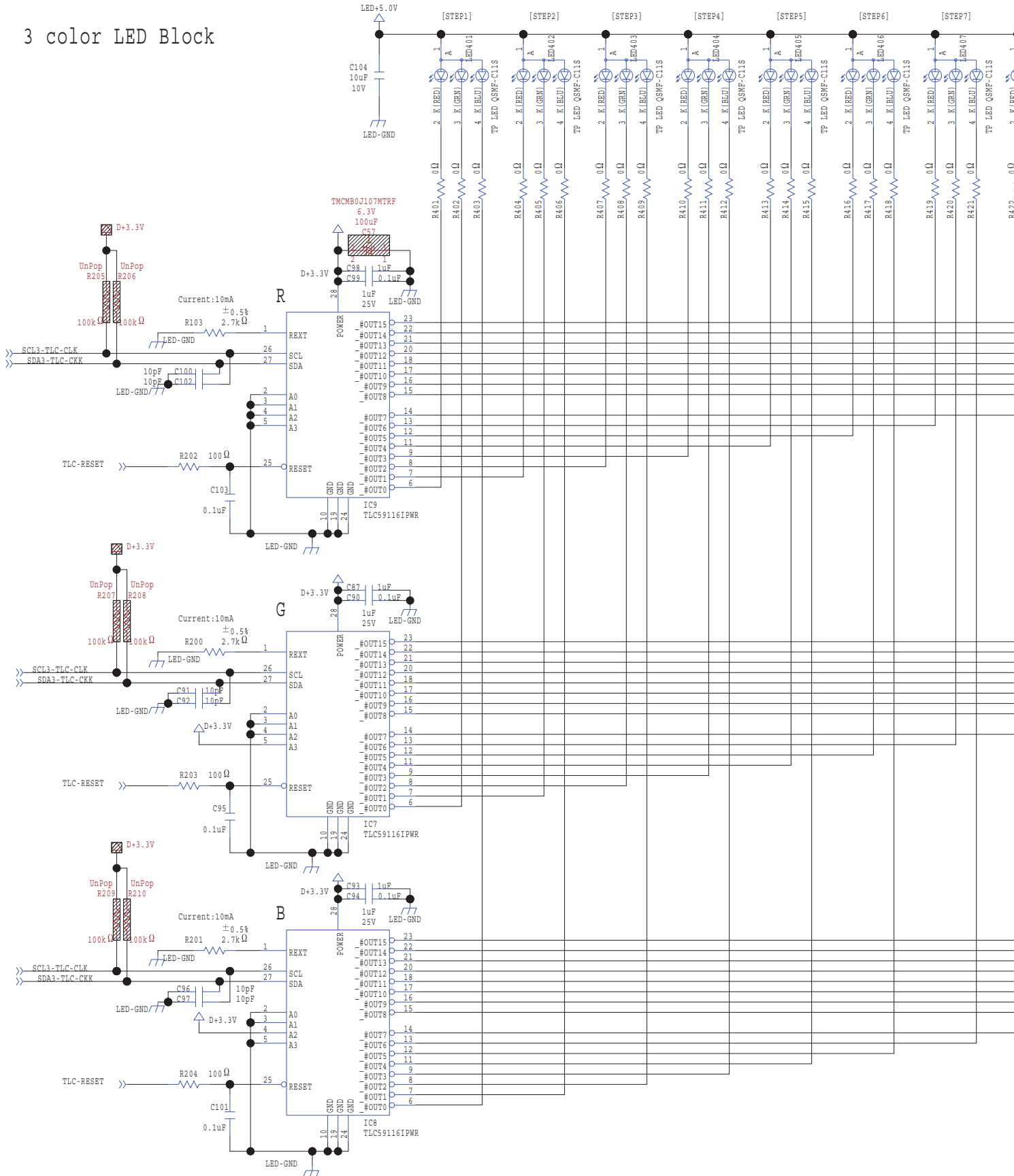
FX1_1 [PREPARE] [CUB4] [CHF2] [CHF3] [CUB1] [BACK]
FX1_2 [CUB3] [CUB2] [CHF4] [CHF1] [CUBSMP] [FX2_1]

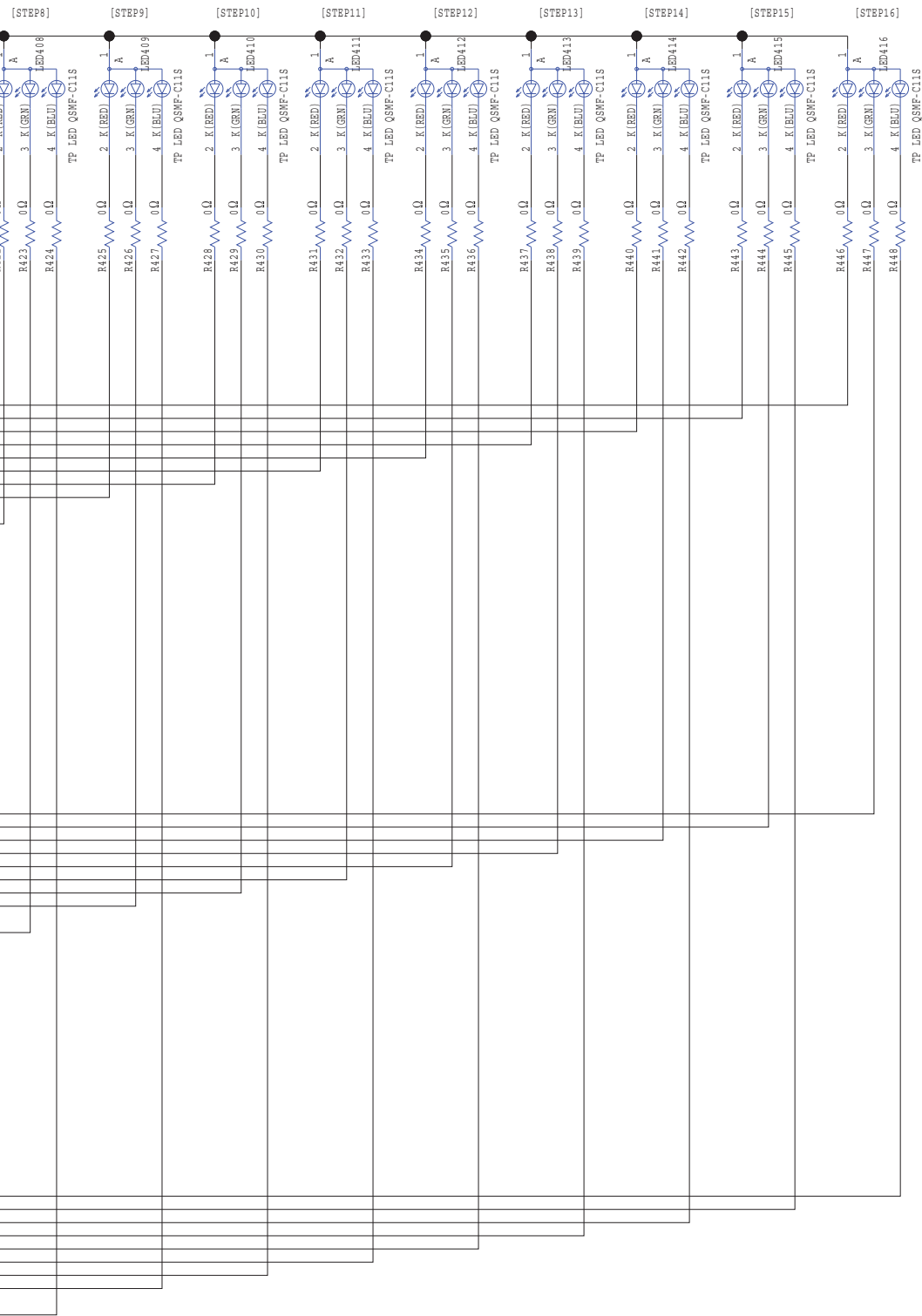


FX2_2

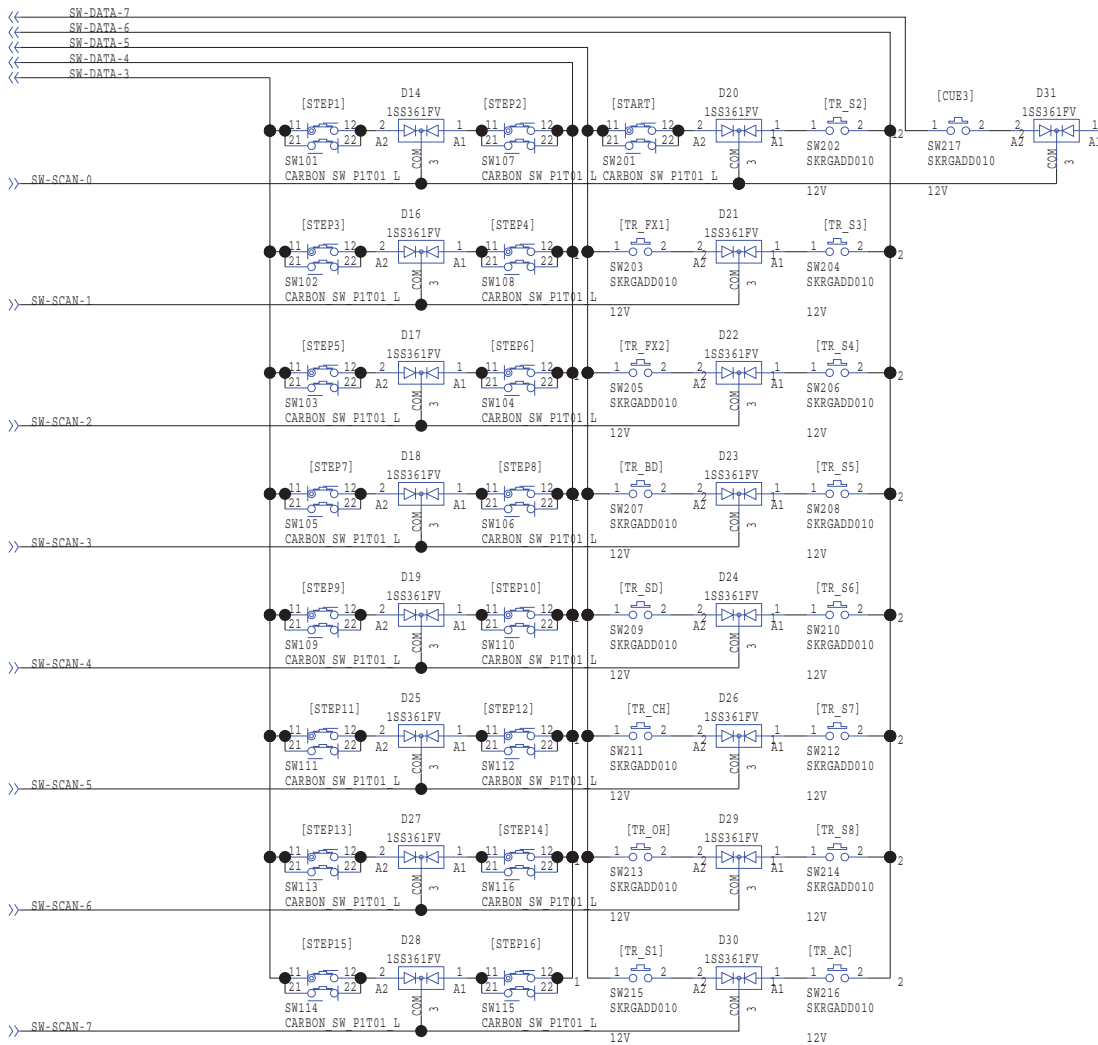
Circuit Diagram (Panel C Board: 5/6)

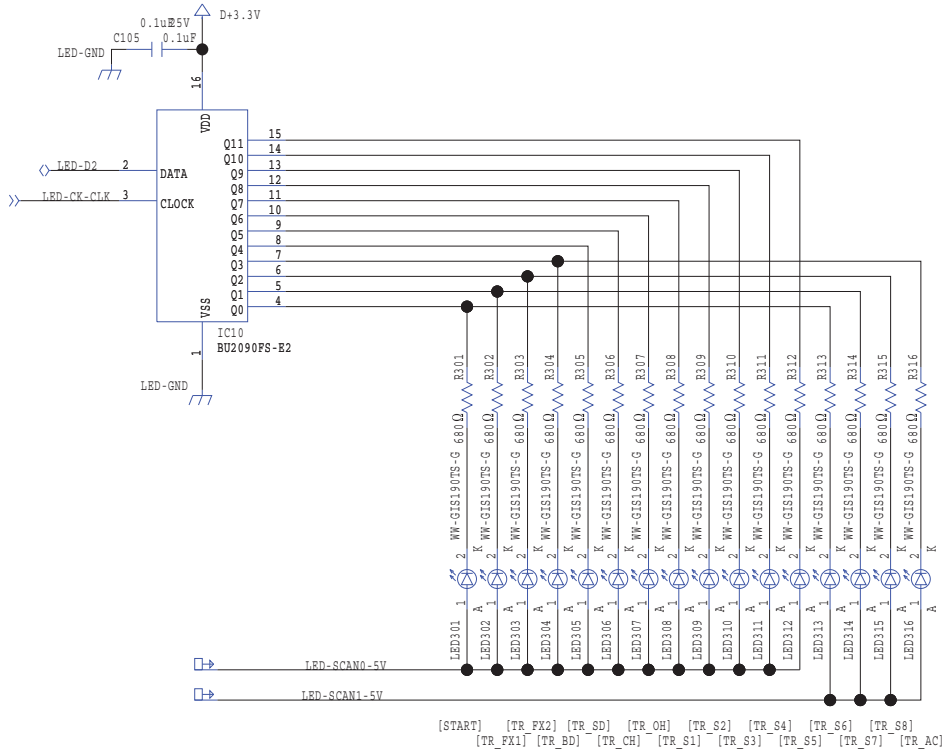
3 color LED Block



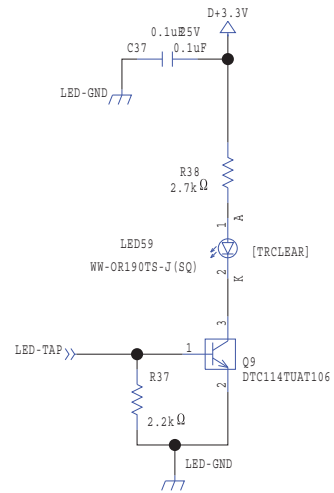
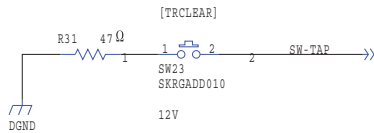


Circuit Diagram (Panel C Board: 6/6)



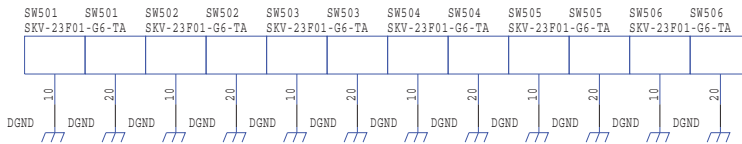
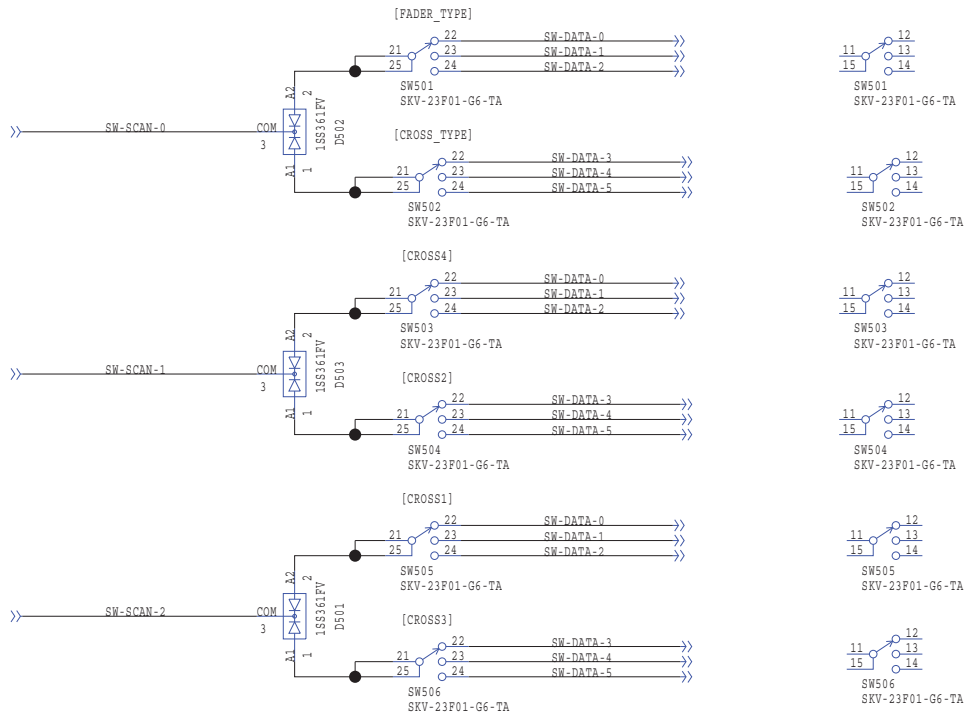
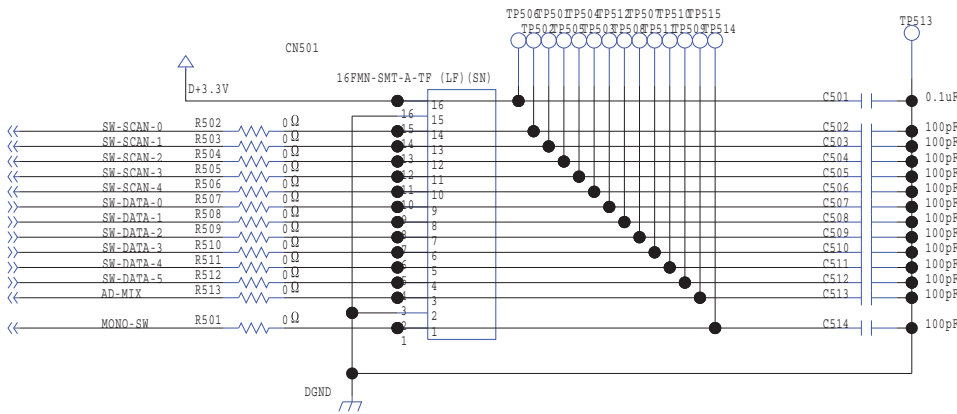


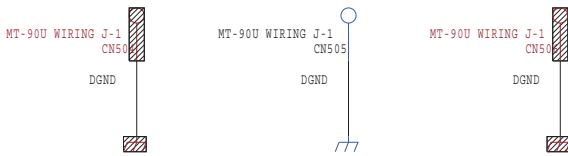
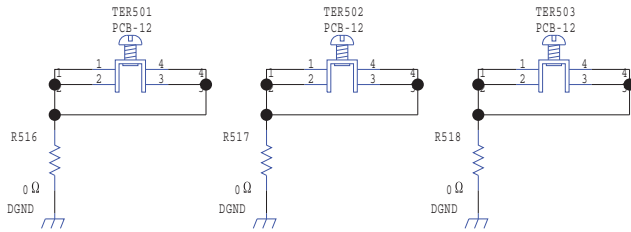
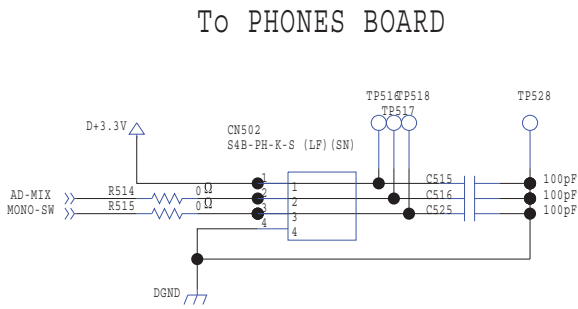
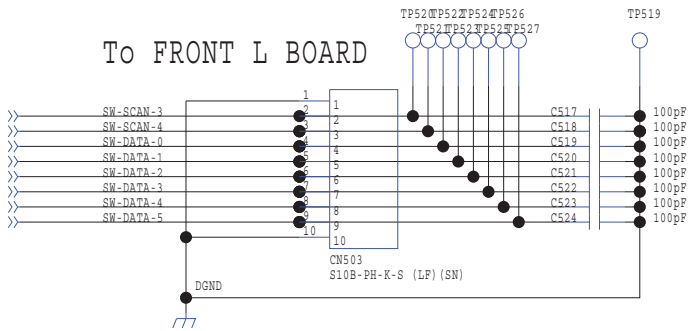
for Boot



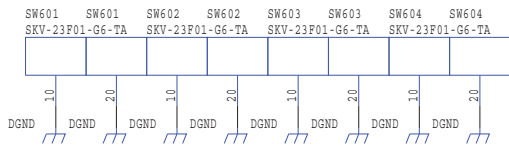
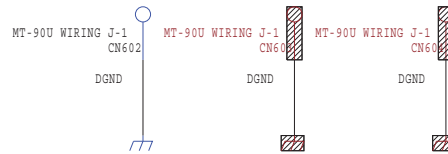
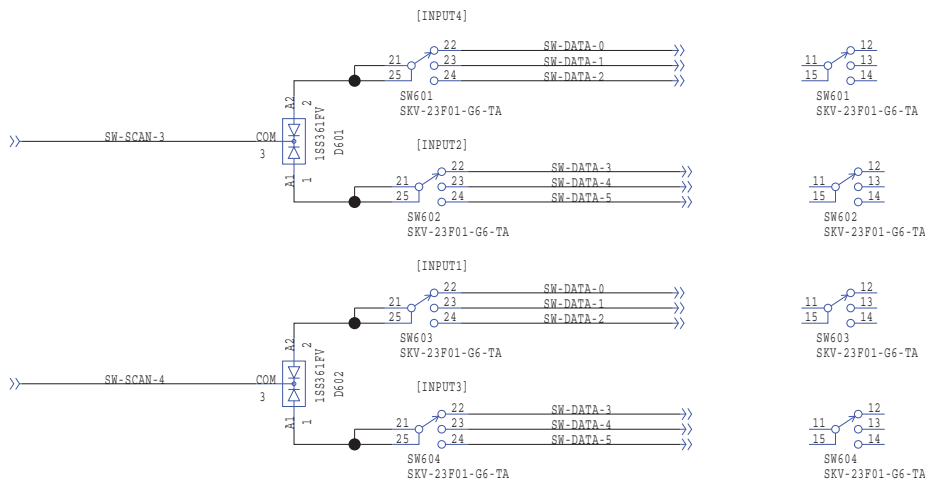
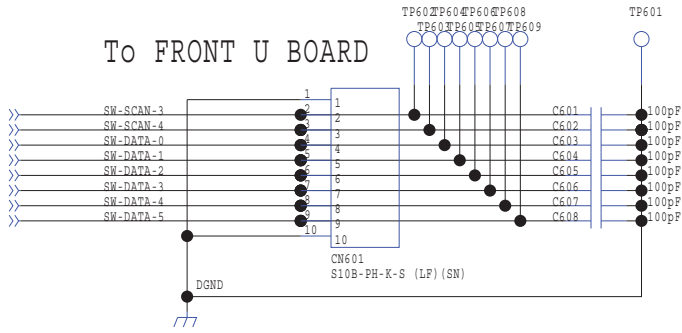
Circuit Diagram (Front U Board)

To MAIN BOARD



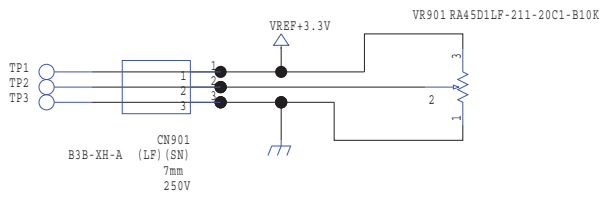


Circuit Diagram (Front L Board)

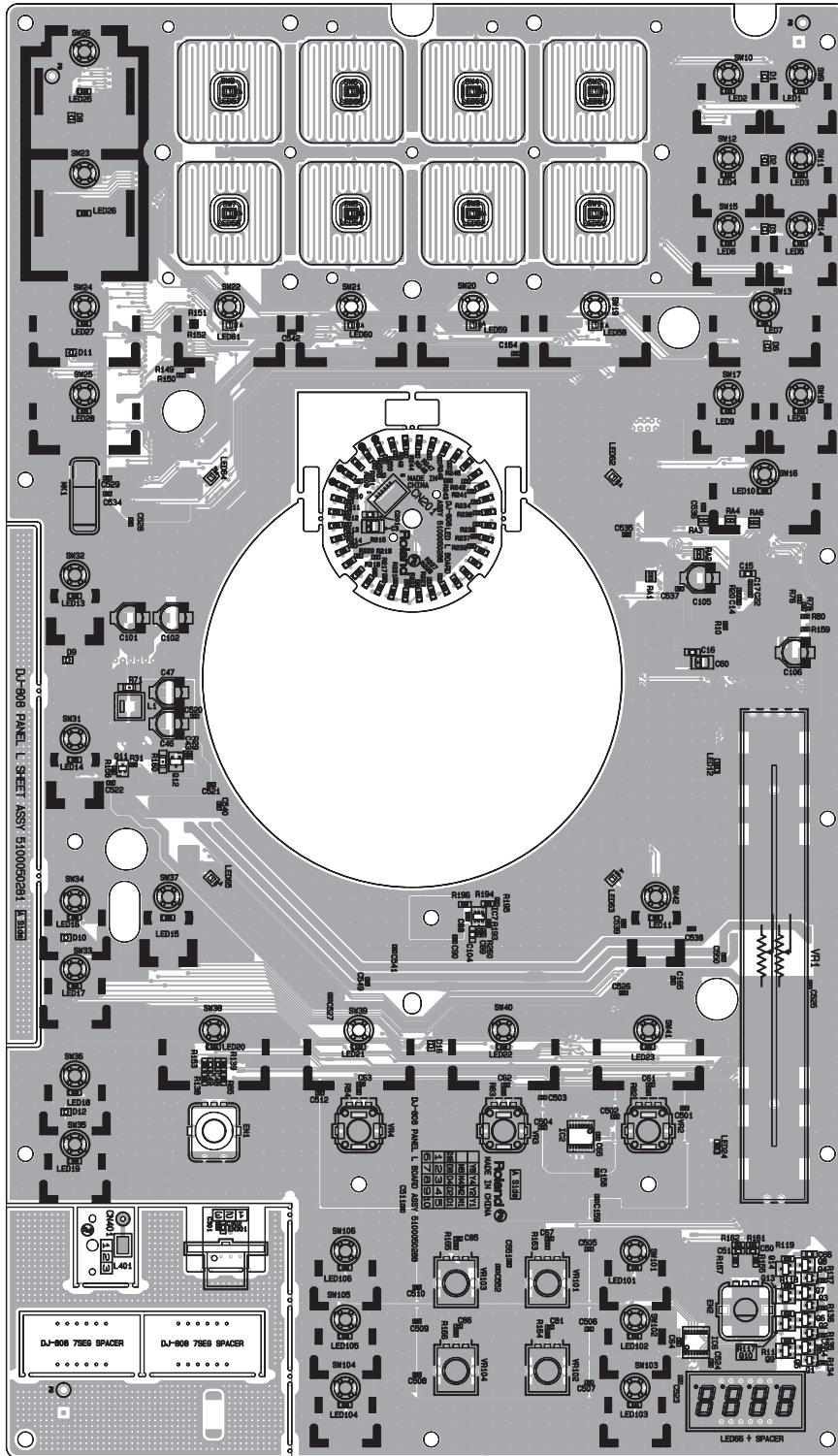


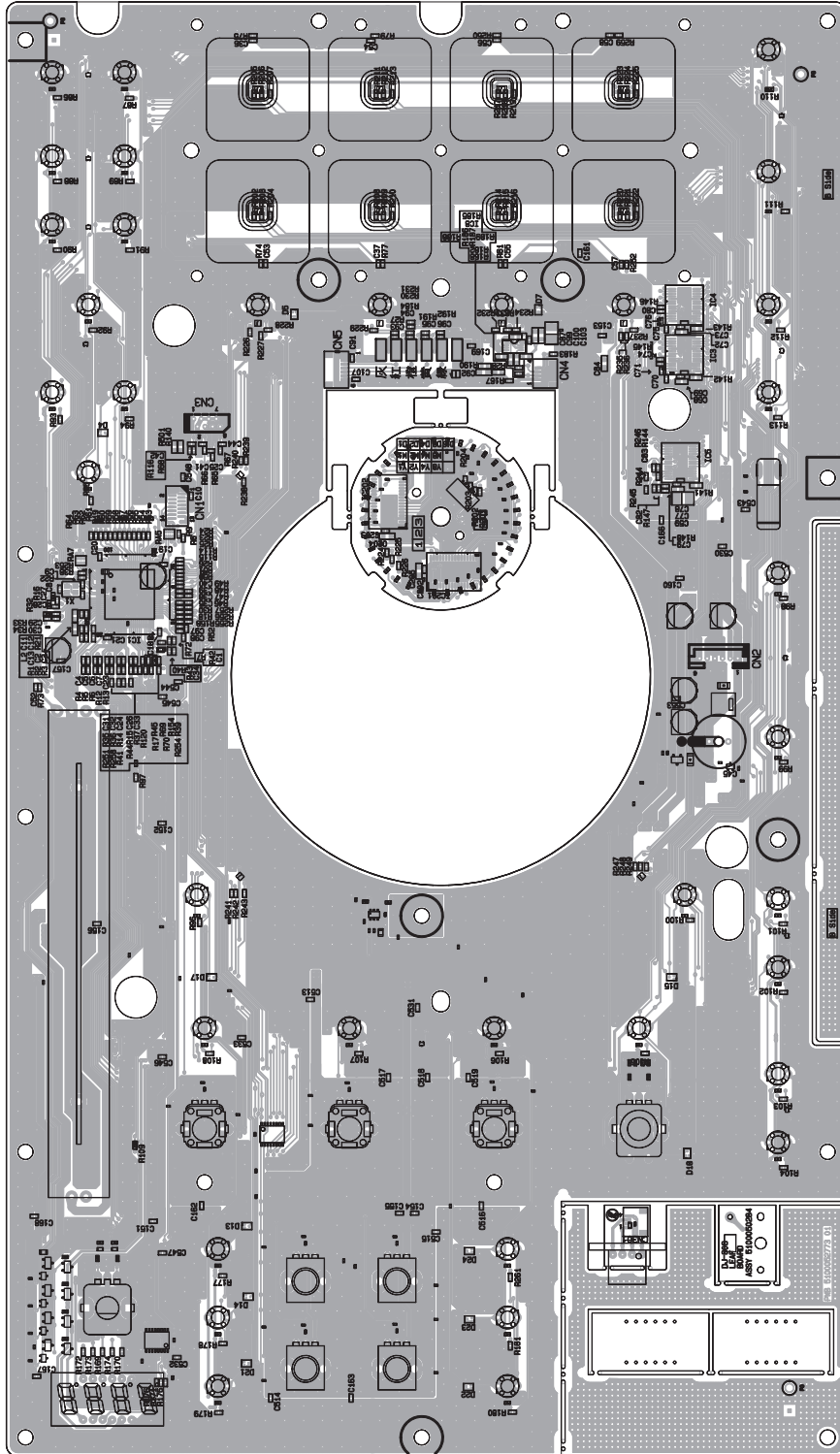
Circuit Diagram (Crossfader Board)

To PANEL C BOARD



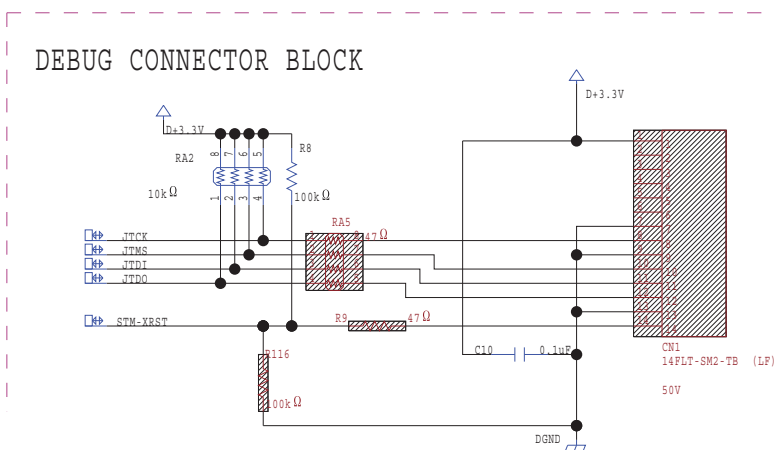
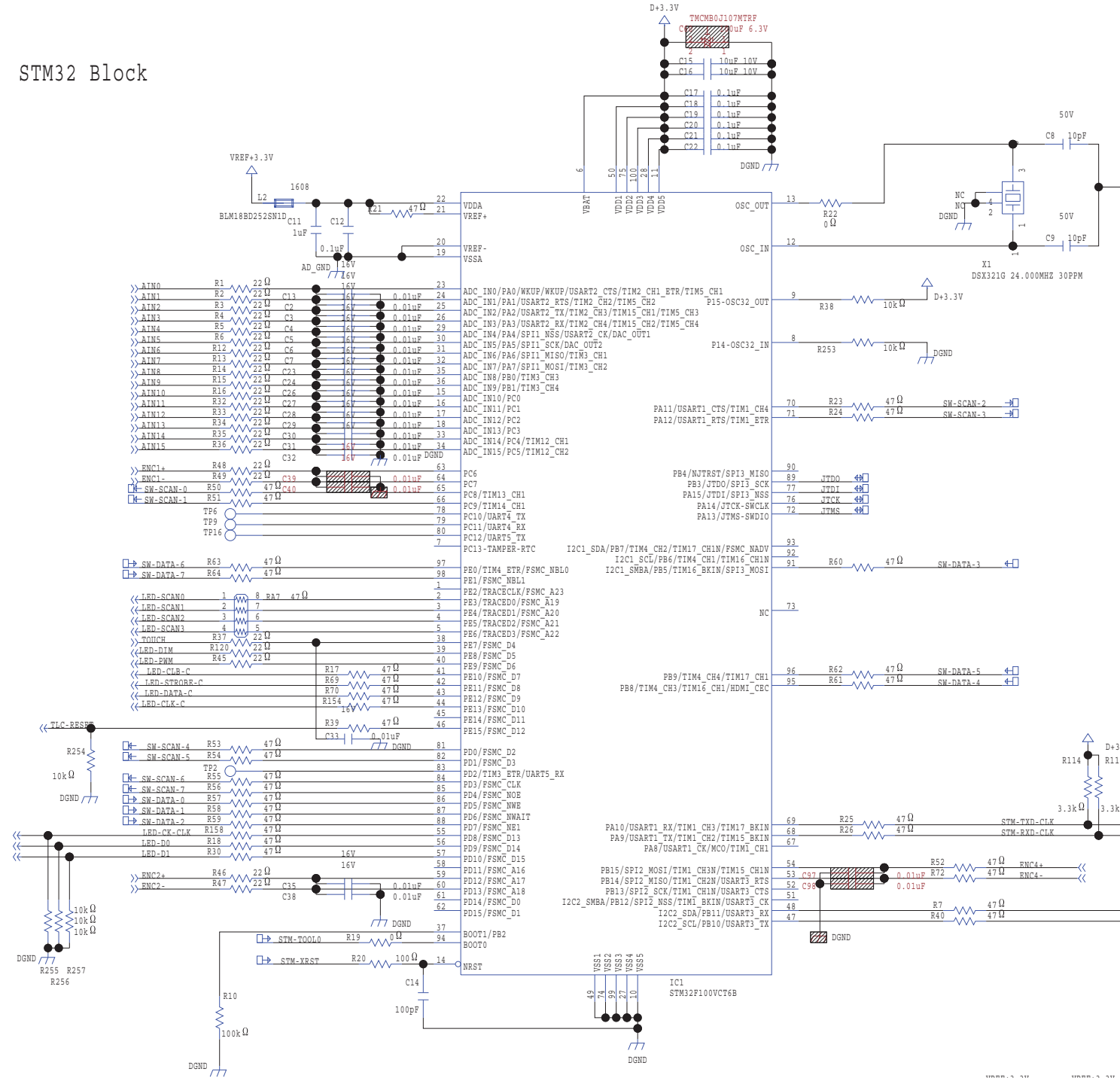
Circuit Board (Panel L, LED, Leaf, Encoder Board)



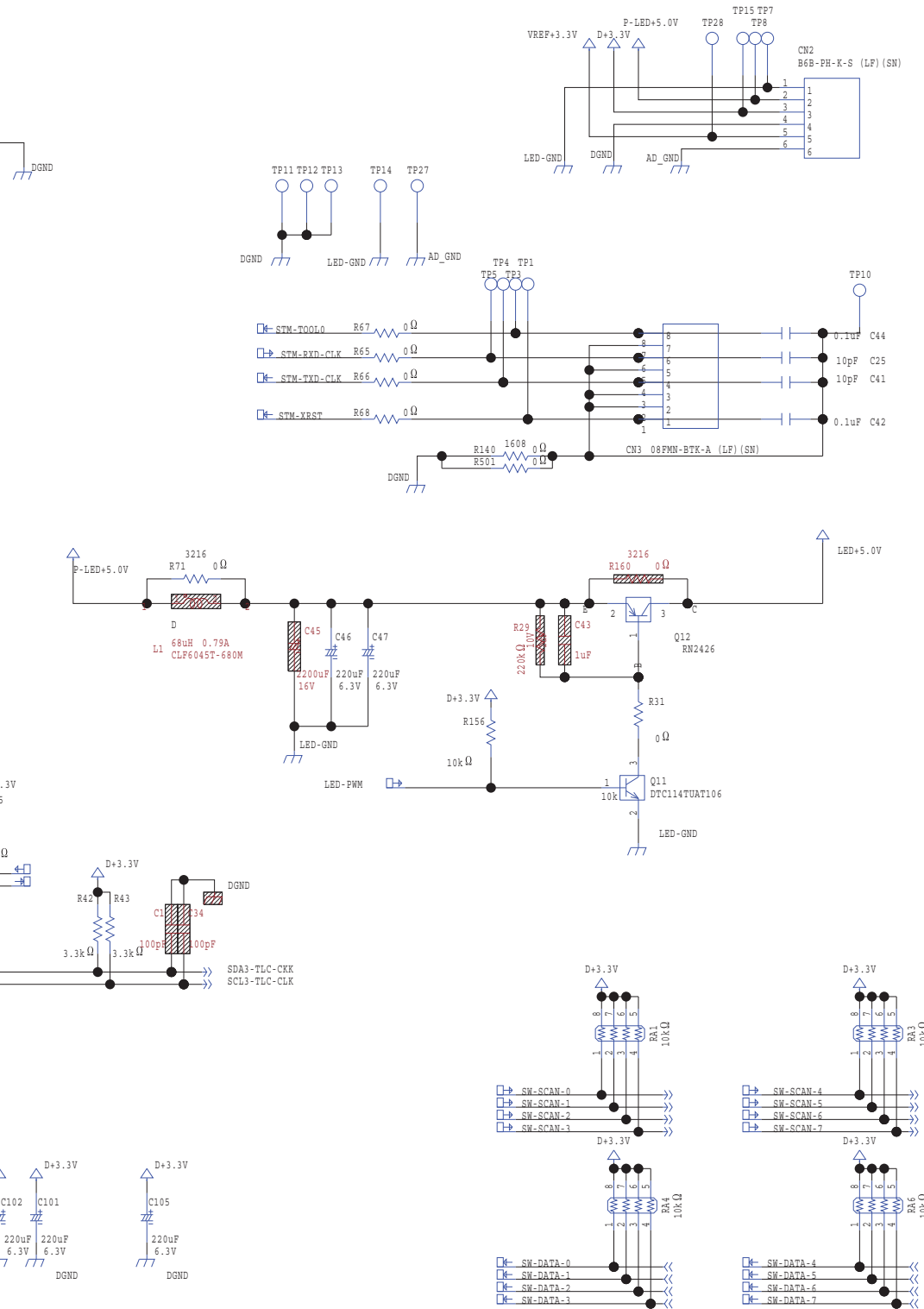


Circuit Diagram (Panel L Board: 1/5)

STM32 Block



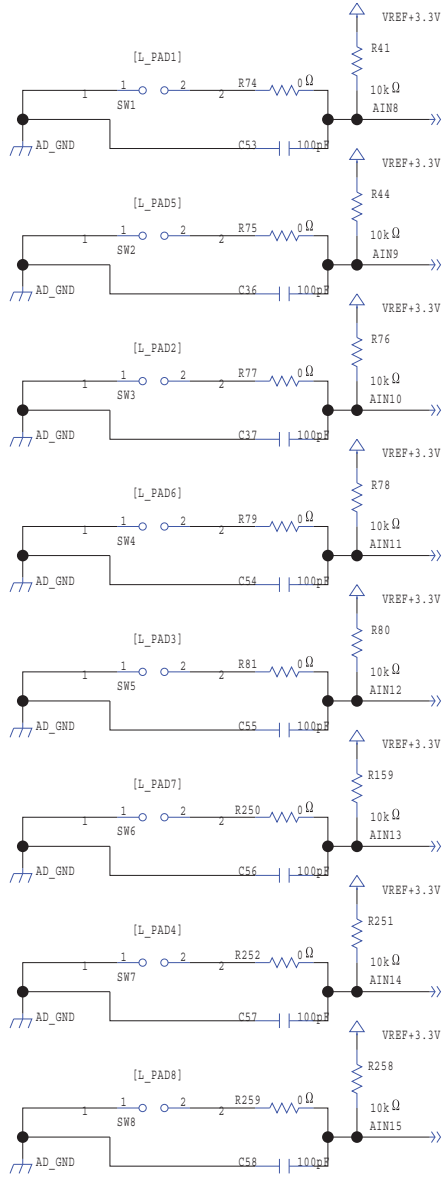
MAIN BOARD CONNECTOR BLOCK



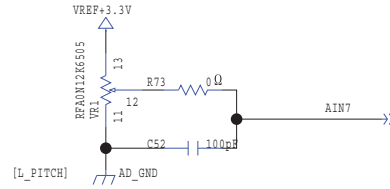
Circuit Diagram (Panel L Board: 2/5)

UI Block

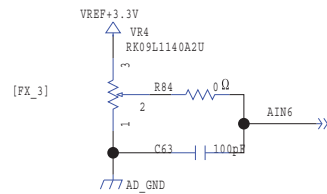
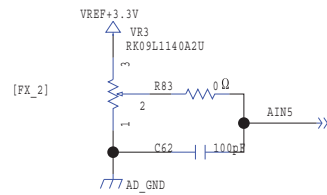
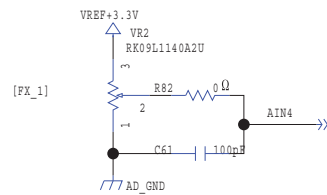
[8 PAD]



[100mm slider]

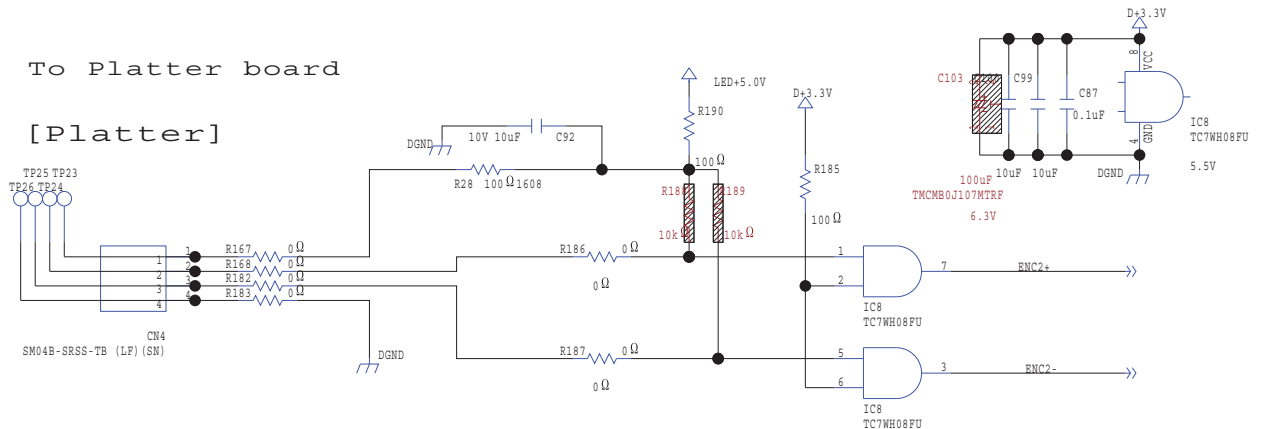


[Rotary Volume]

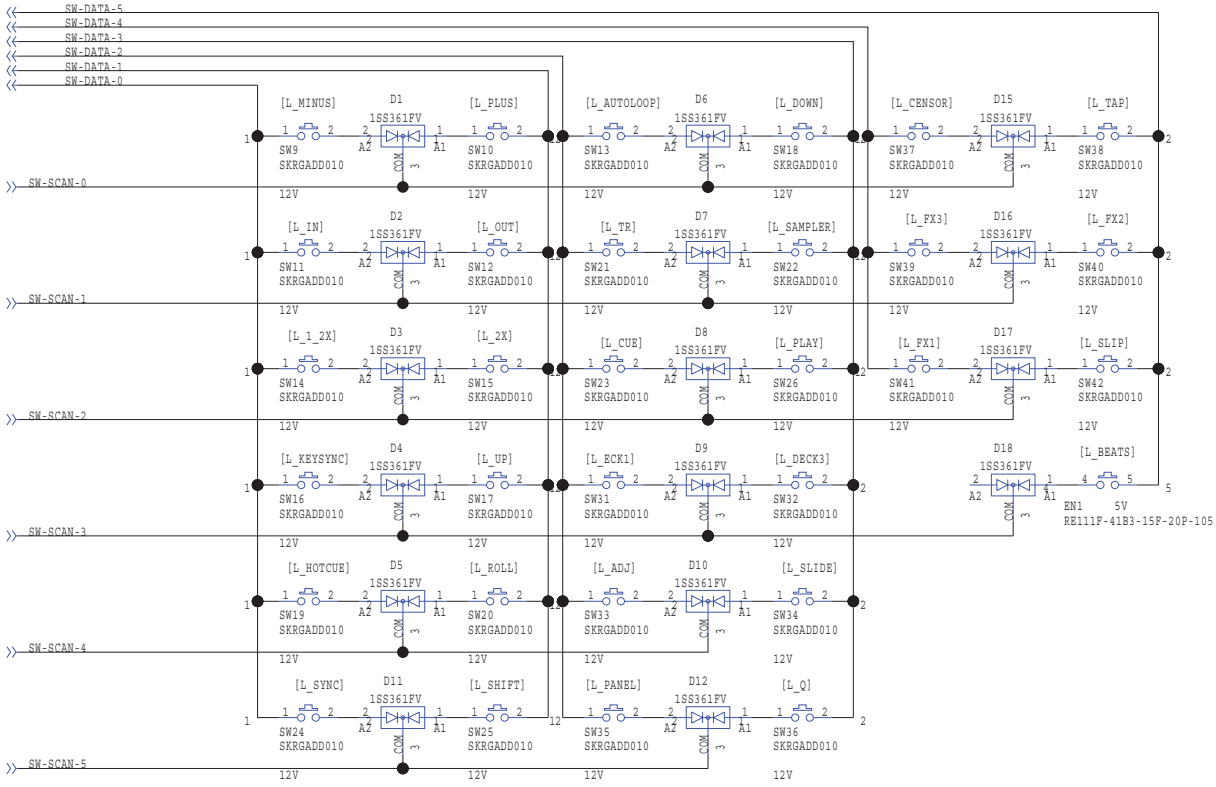


To Platter board

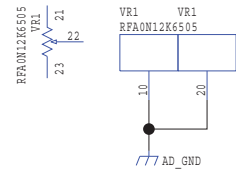
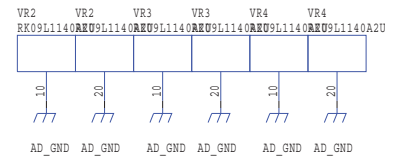
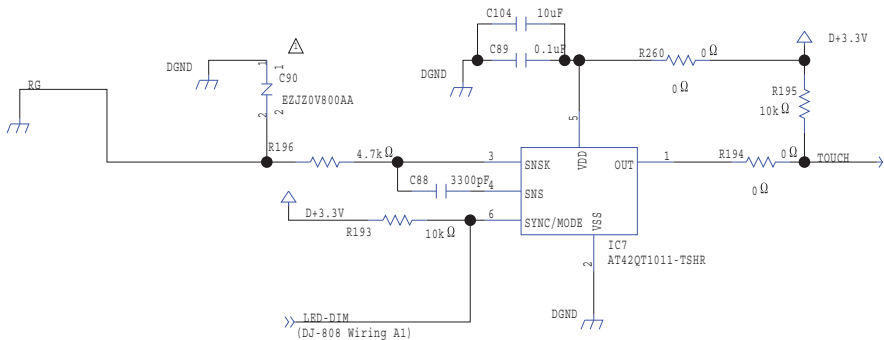
[Platter]



[SW 30pcs]

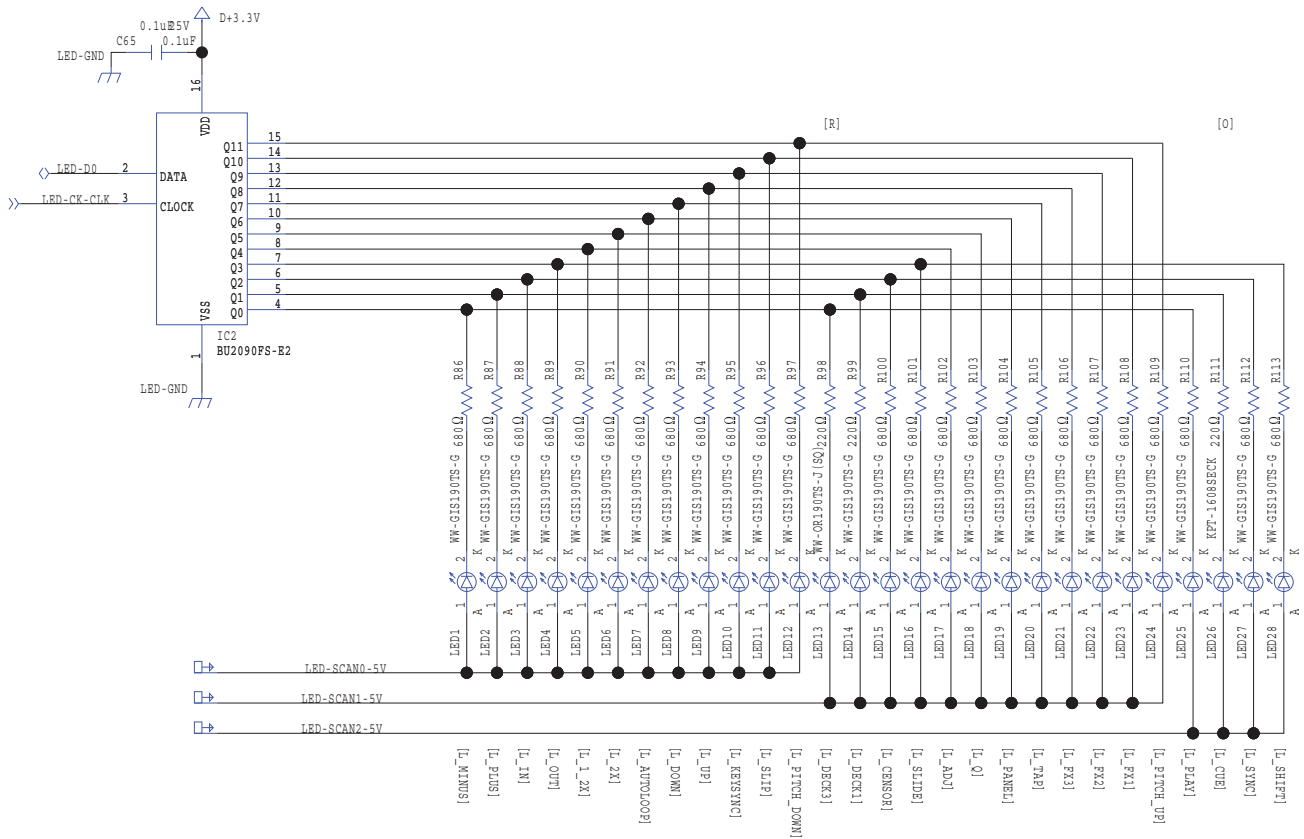


[TOUCH SENSOR]

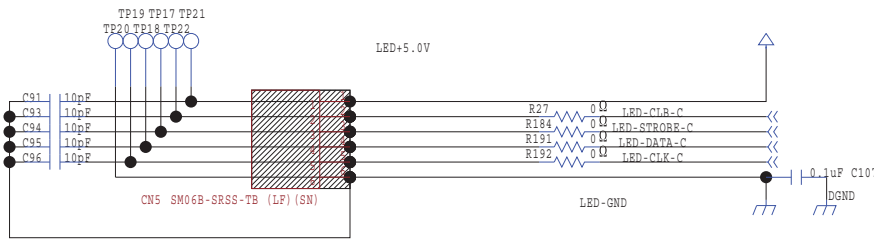


Circuit Diagram (Panel L Board: 3/5)

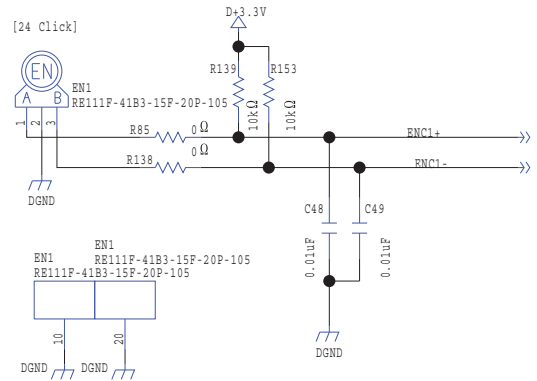
LED Block

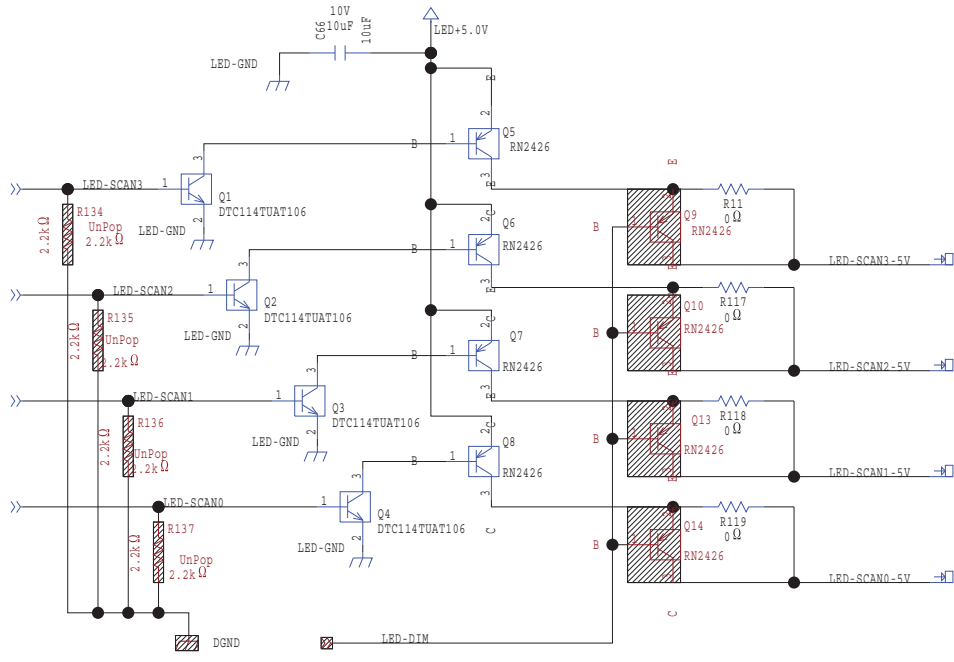


[CENTER LED]



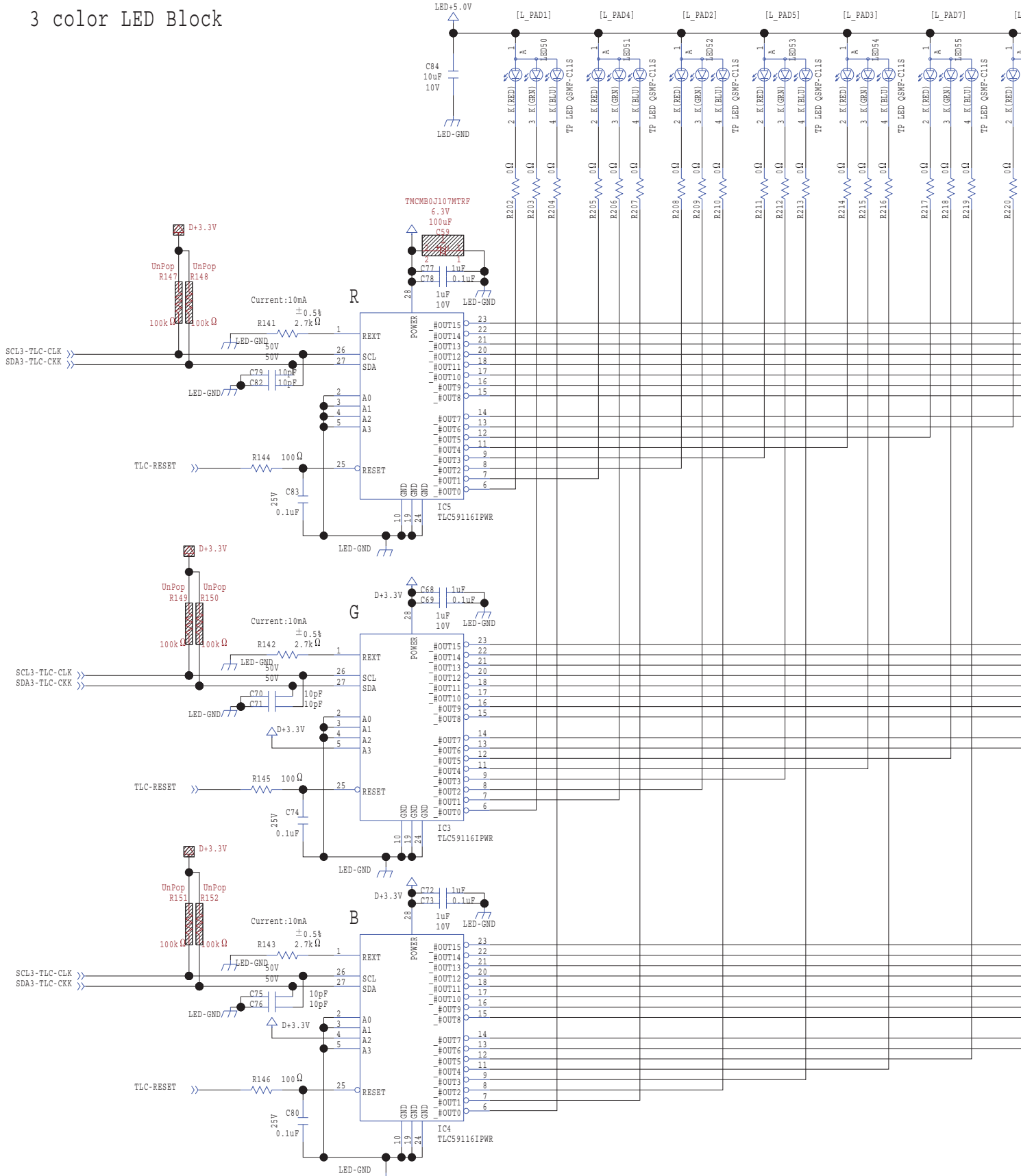
[Encoder]

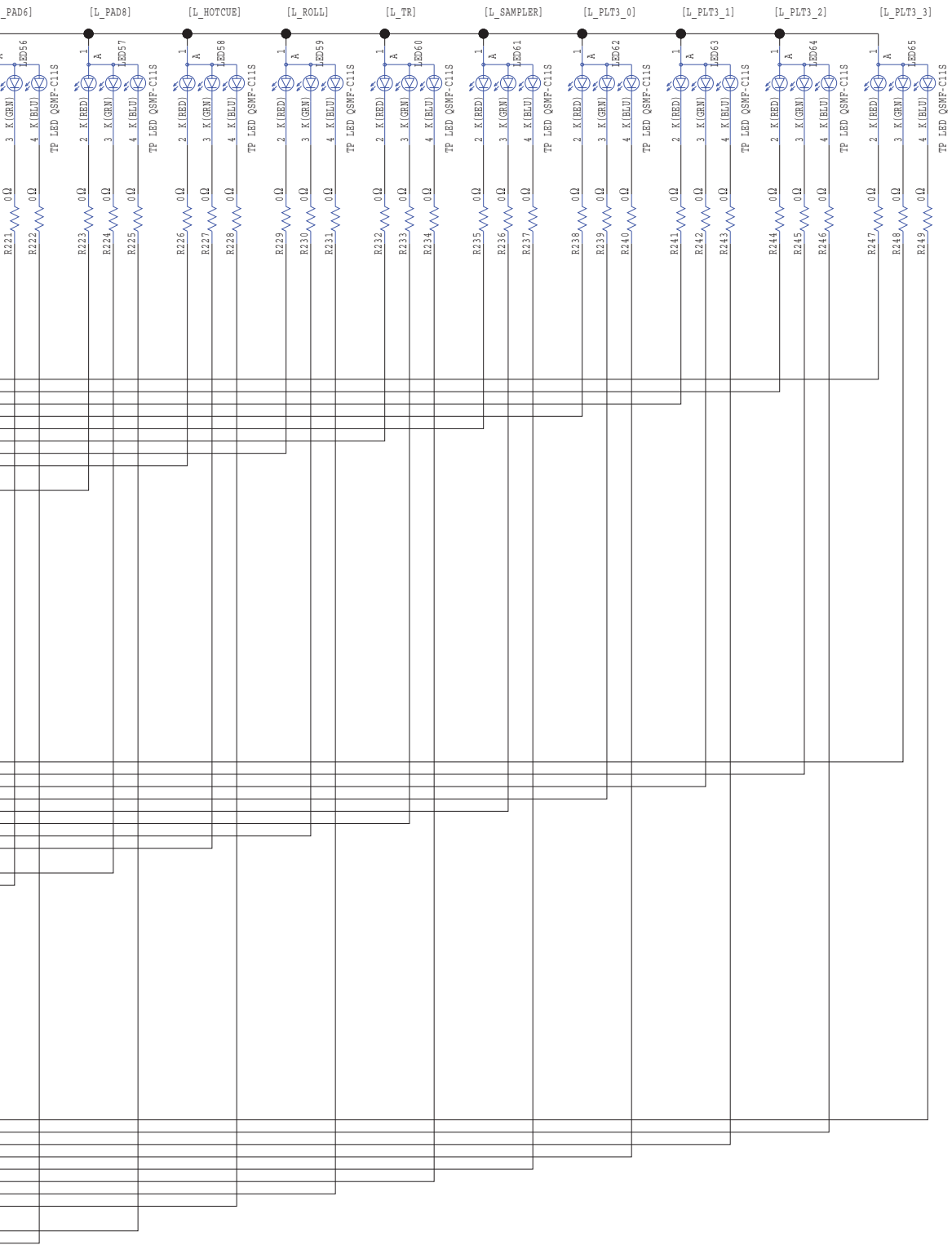




Circuit Diagram (Panel L Board: 4/5)

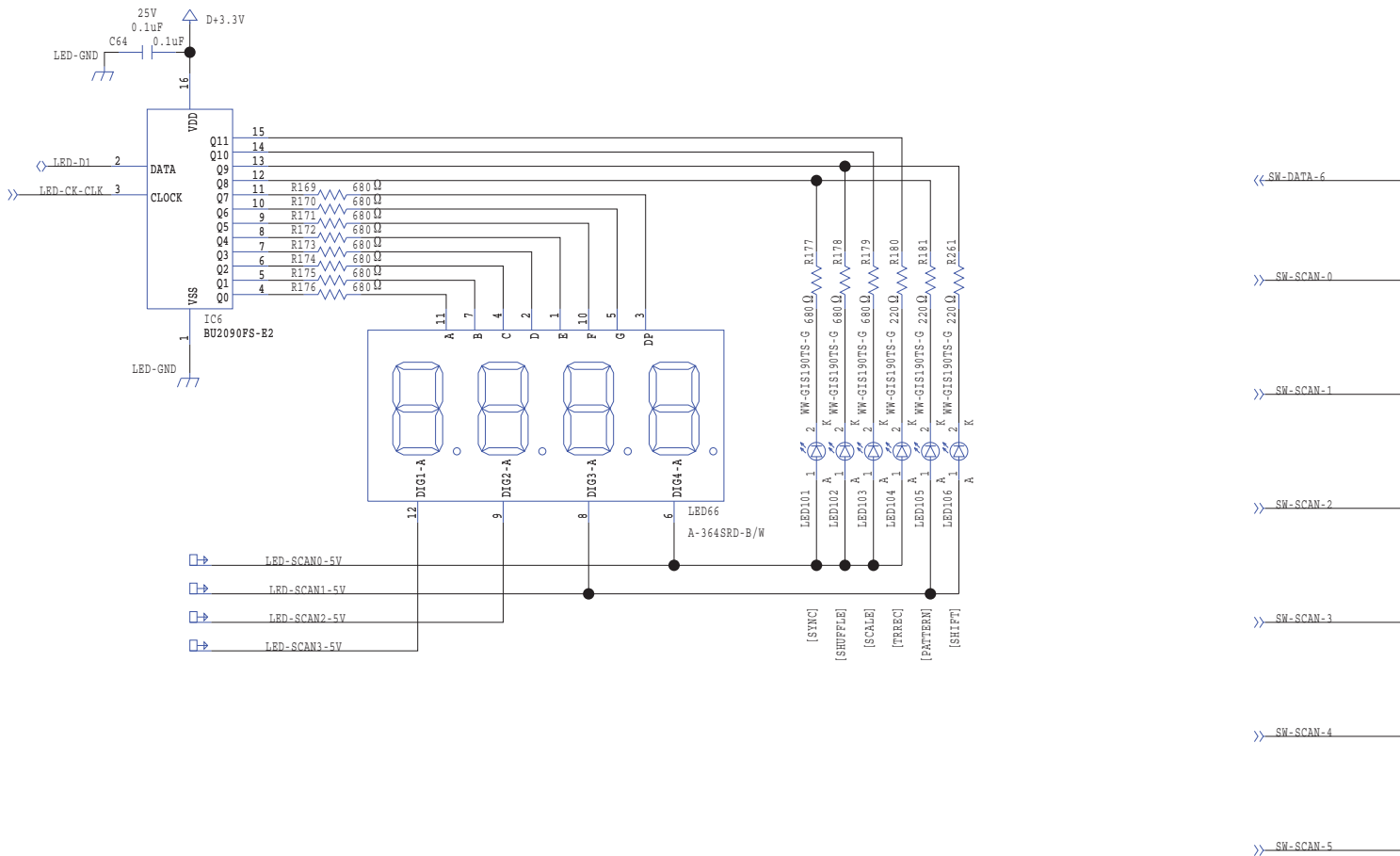
3 color LED Block



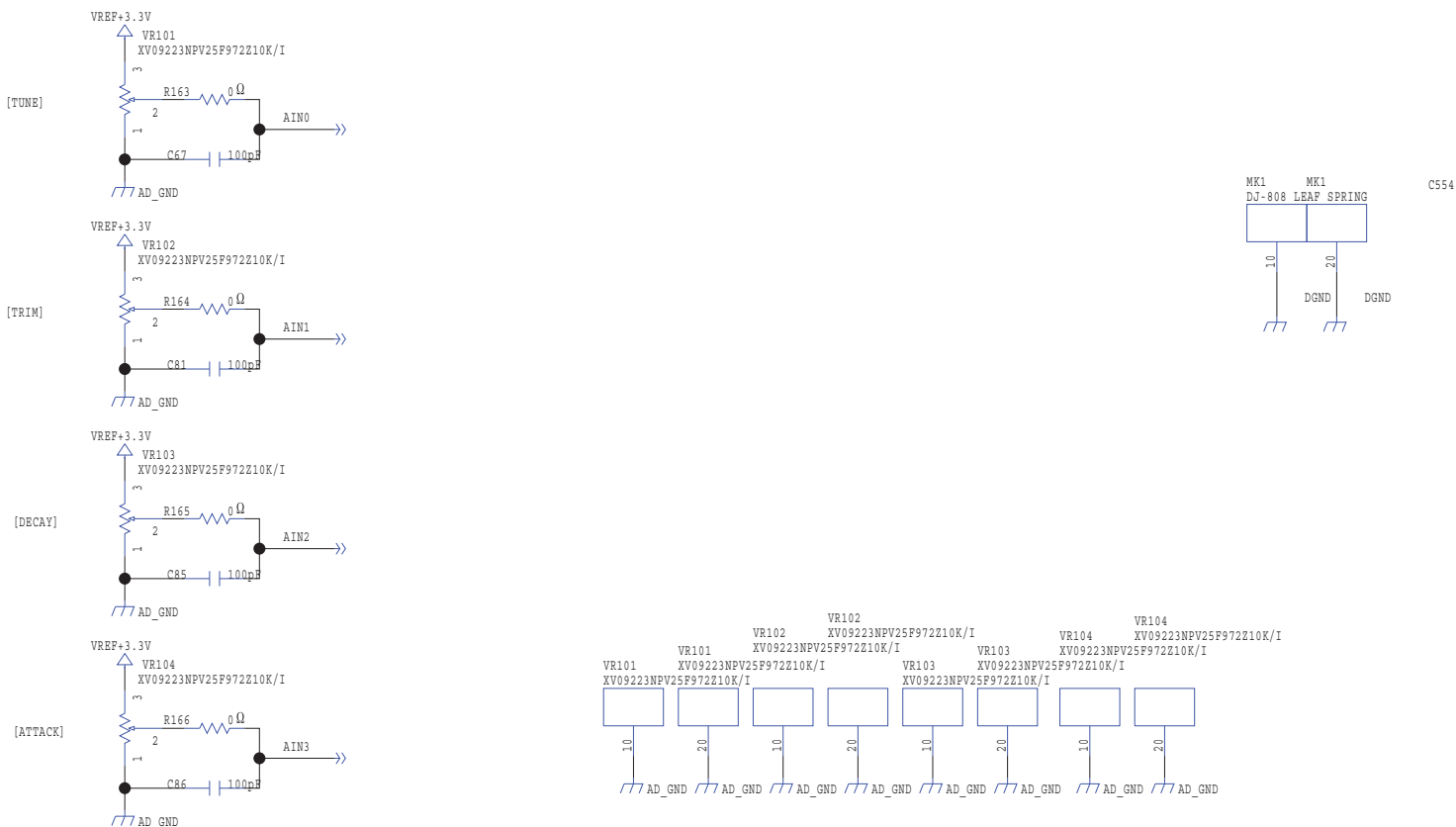


Circuit Diagram (Panel L Board: 5/5)

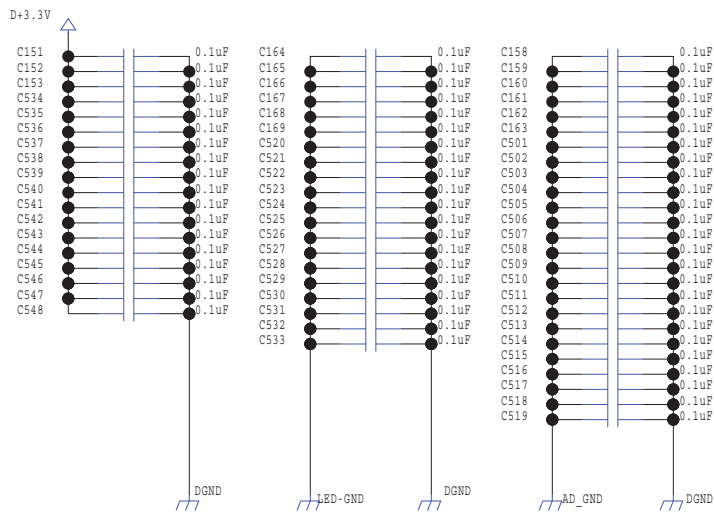
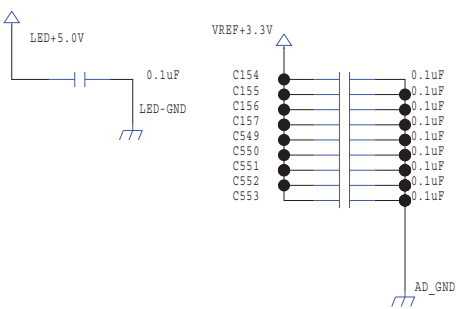
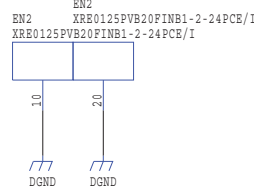
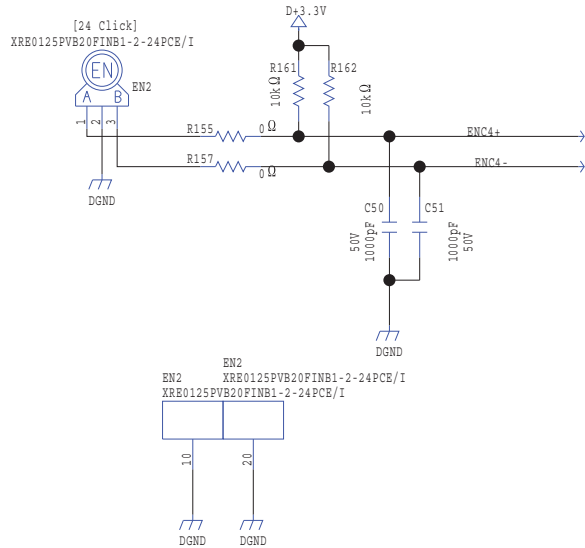
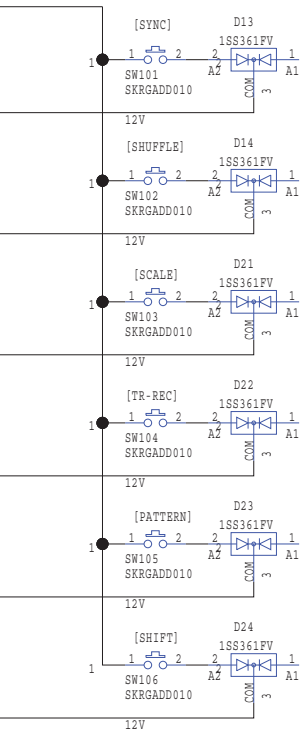
Upper section



[Rotary Volume]

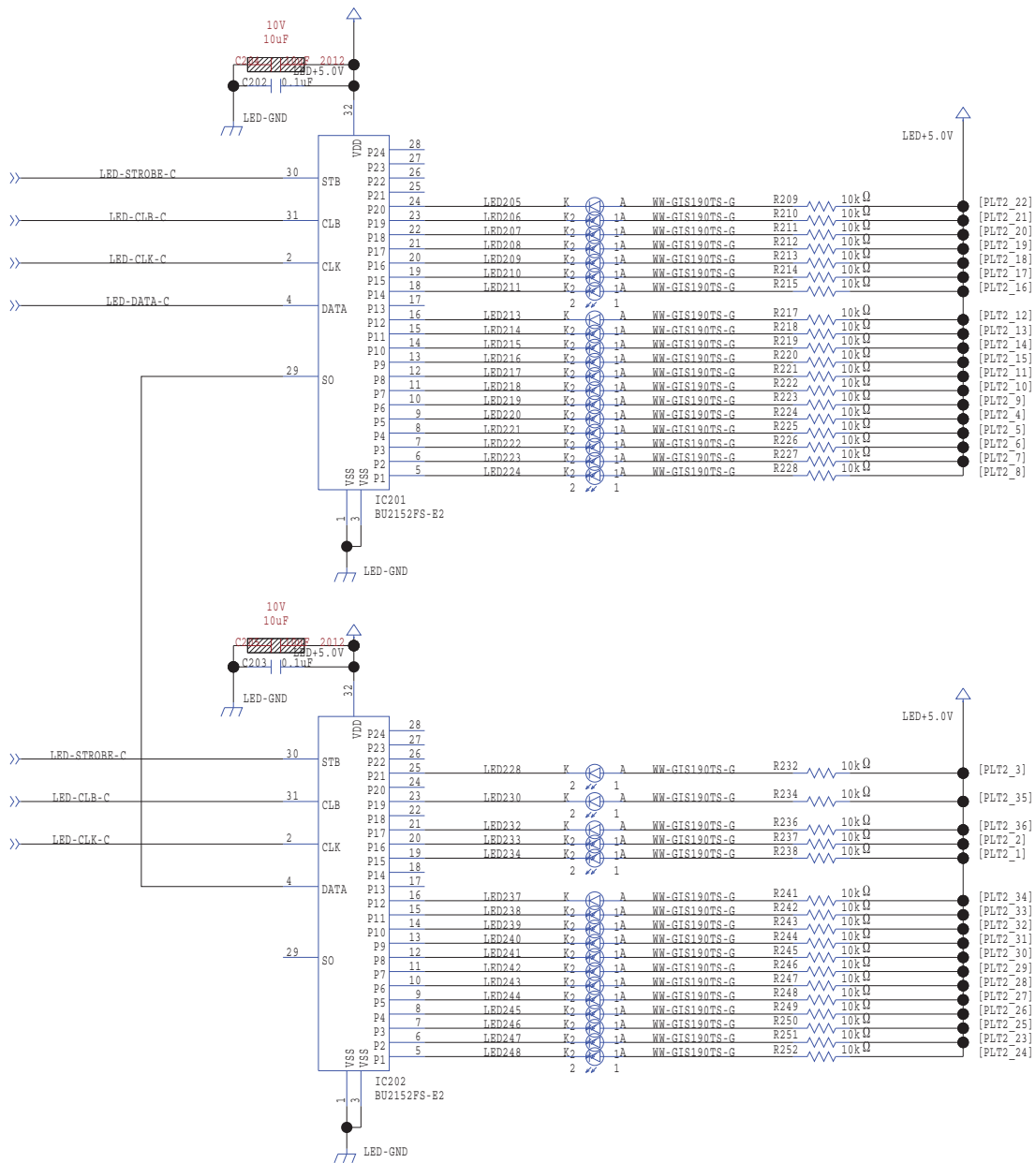
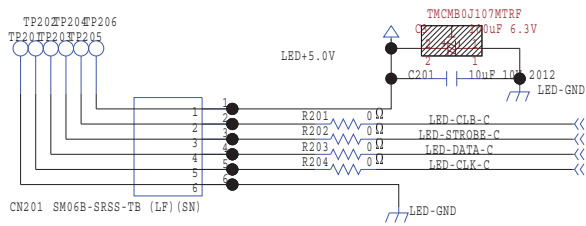


[Encoder]

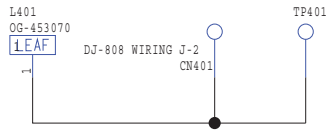


Circuit Diagram (LED Board)

TO PANEL BOARD L/R

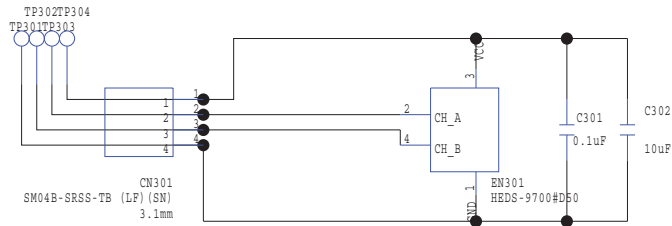


Circuit Diagram (Leaf Board)

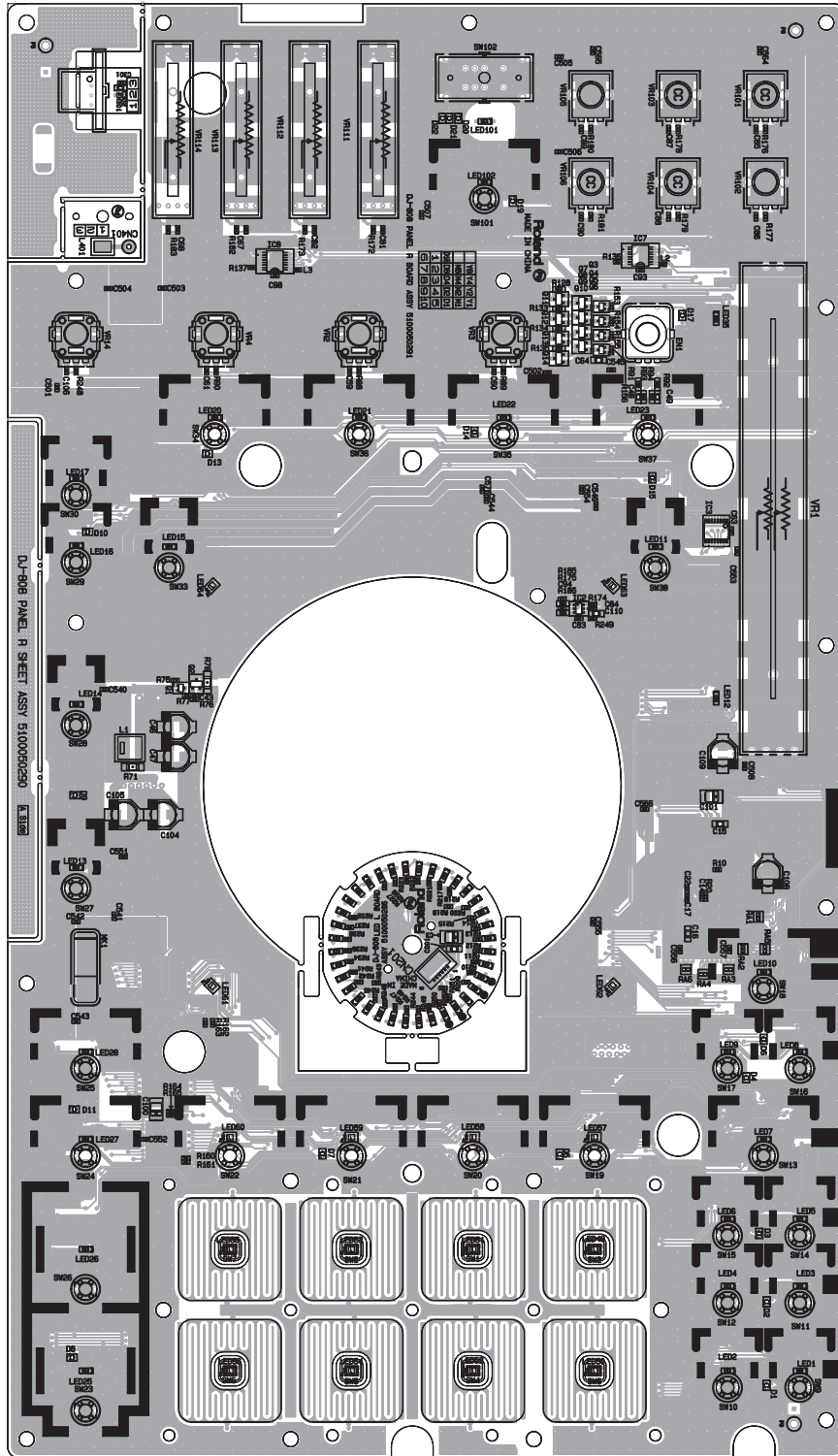


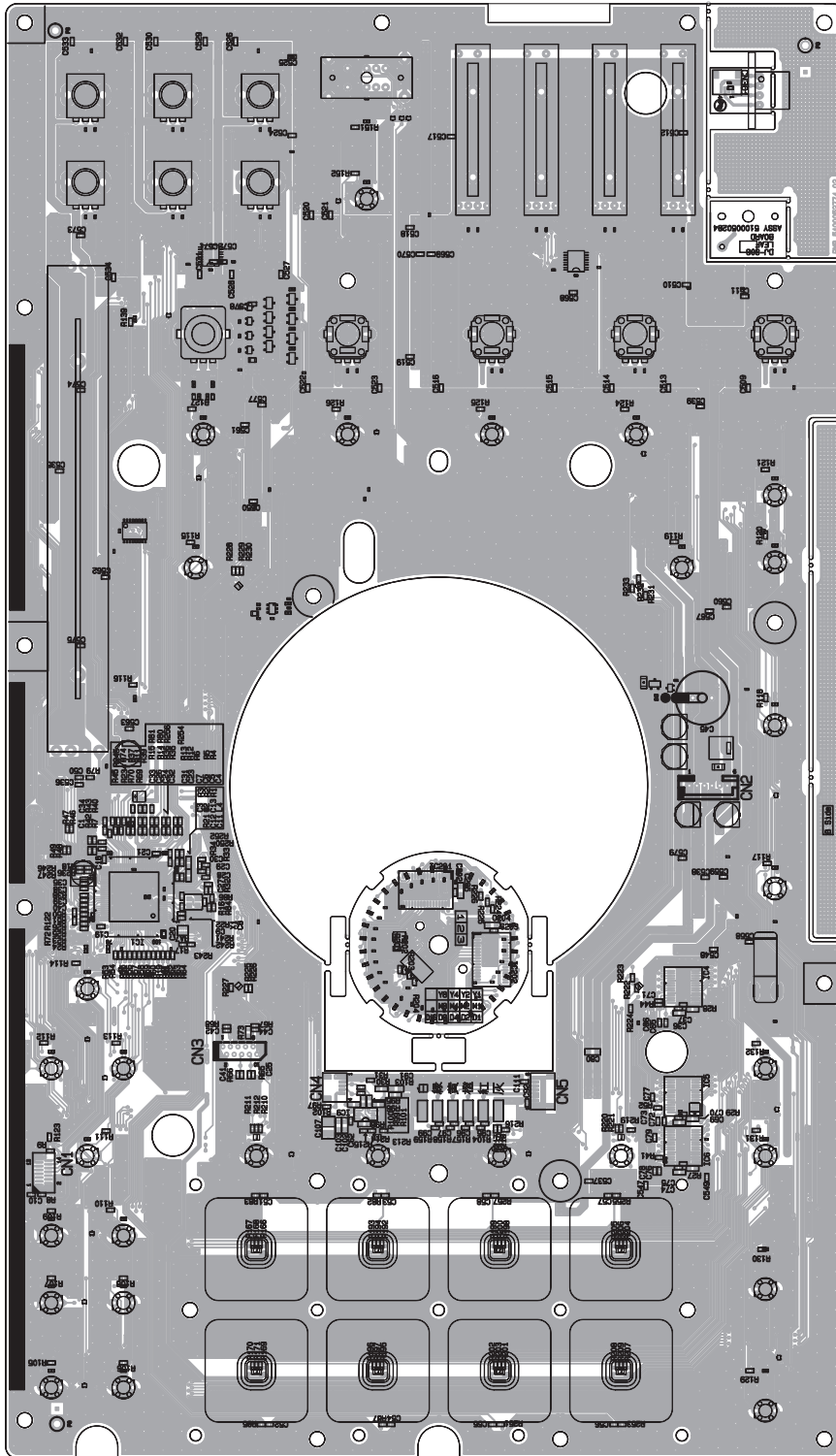
Circuit Diagram (Encoder Board)

TO PANEL L/R BOARD



Circuit Board (Panel R, LED, Leaf, Encoder Board)

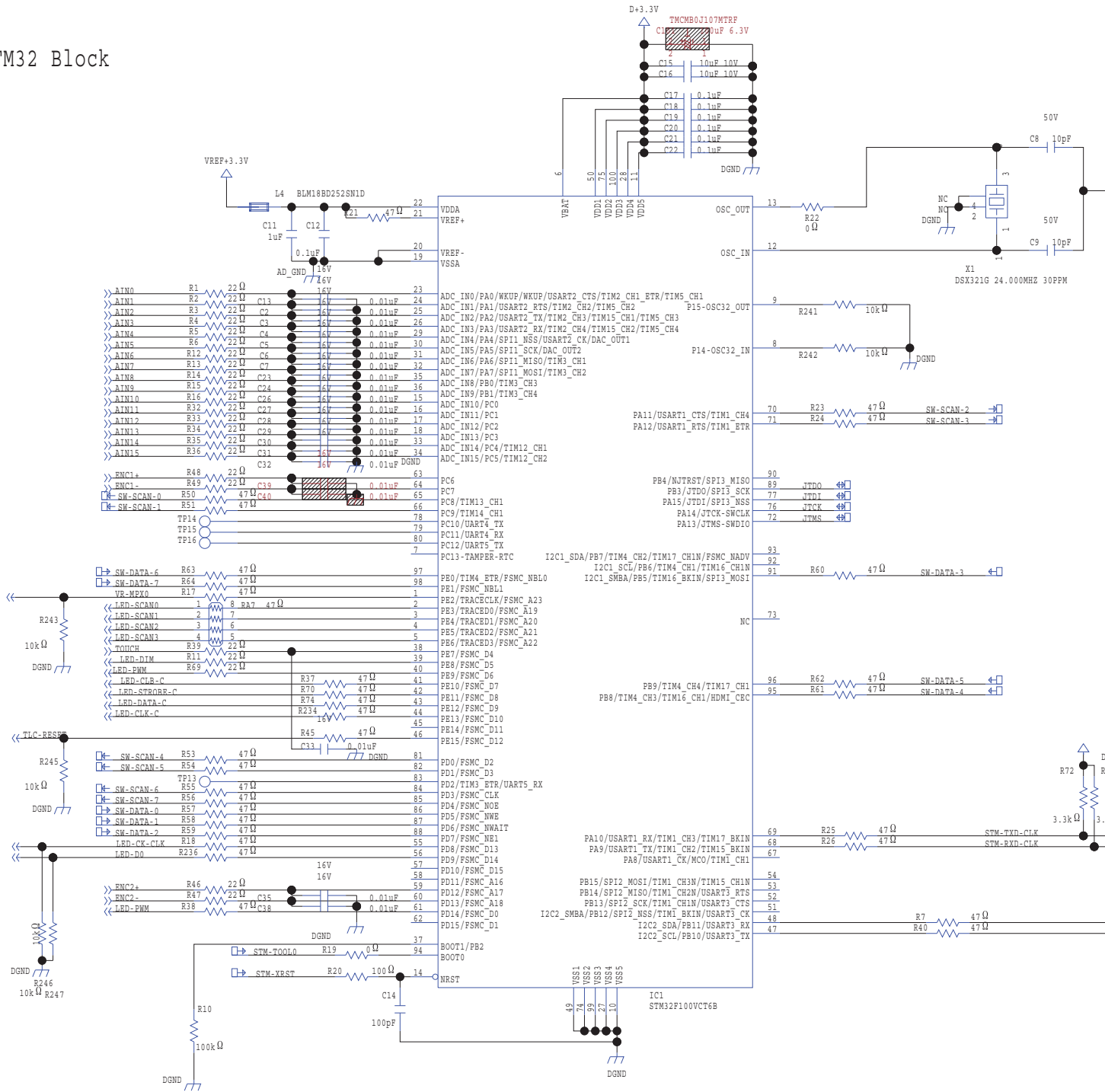




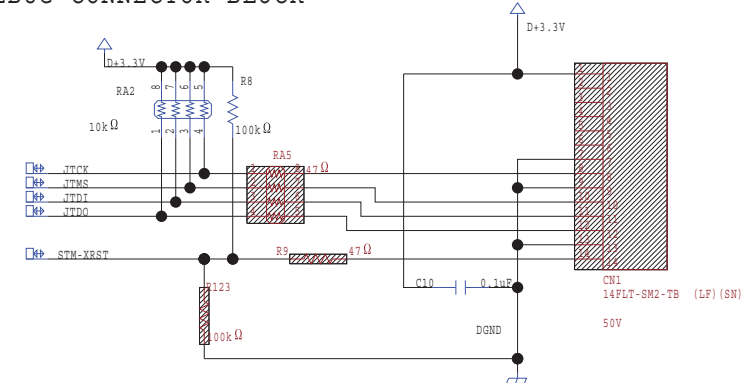
* The circuit diagrams of the LED, Leaf and Encoder Board are the same as **Circuit Diagram (LED Board)** (p. 72), **Circuit Diagram (Leaf Board)** (p. 73) and **Circuit Diagram (Encoder Board)** (p. 73).

Circuit Diagram (Panel R Board: 1/5)

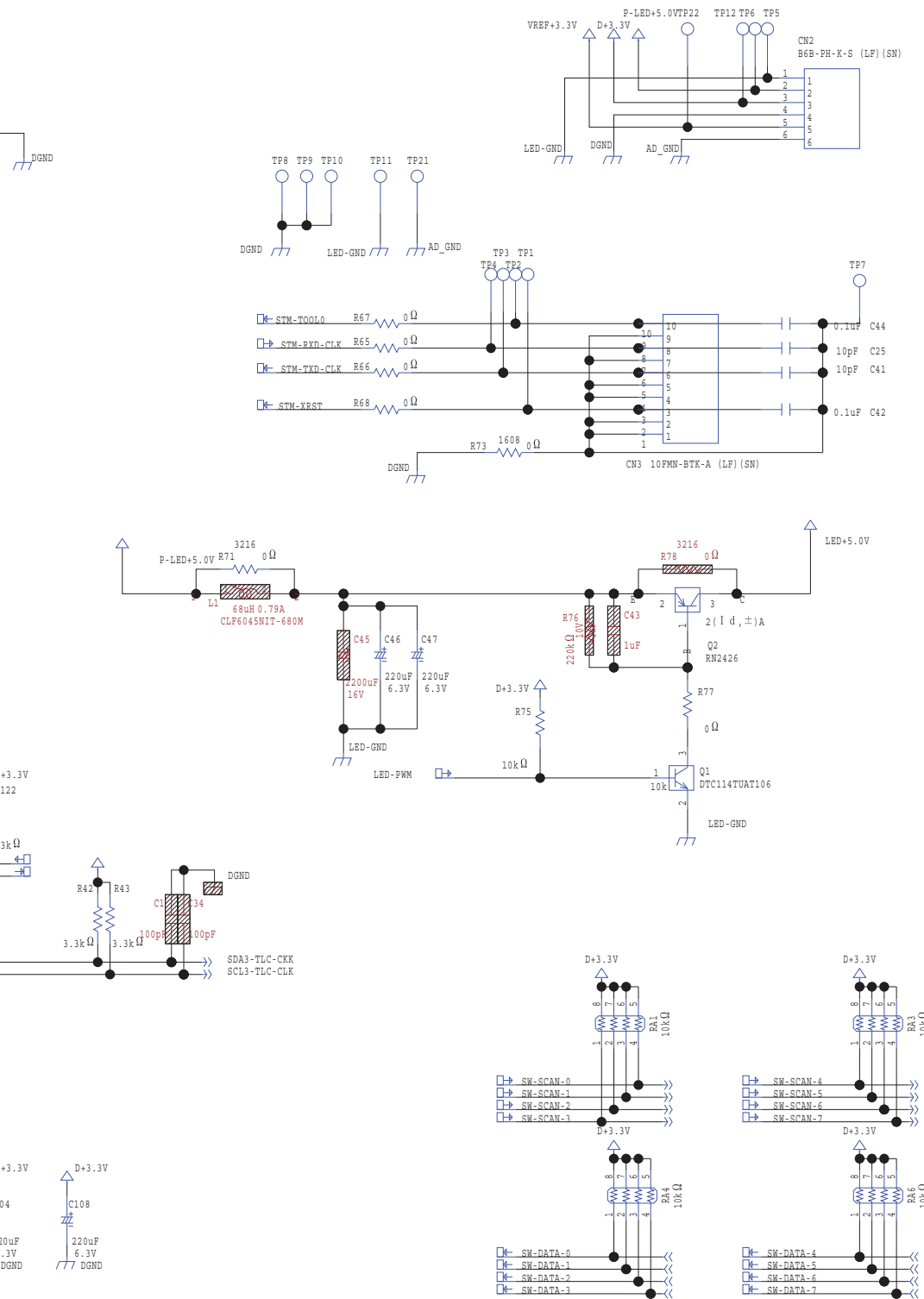
STM32 Block



DEBUG CONNECTOR BLOCK

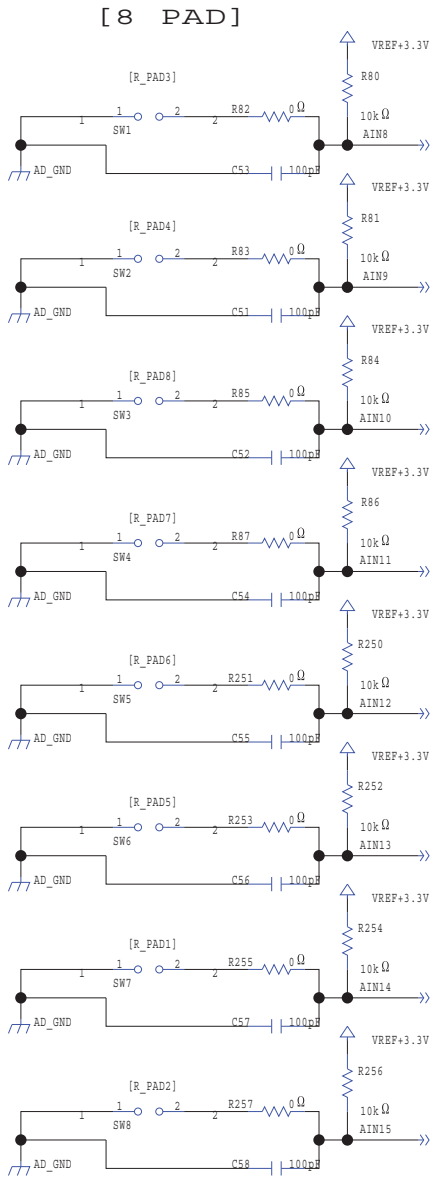


MAIN BOARD CONNECTOR BLOCK

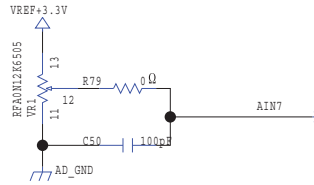


Circuit Diagram (Panel R Board: 2/5)

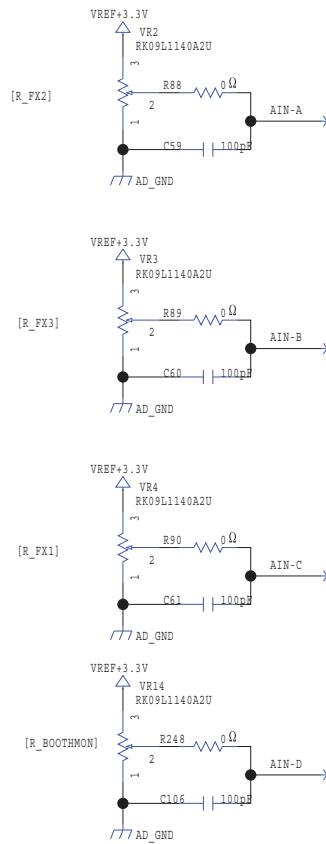
UI Block



[100mm slider]

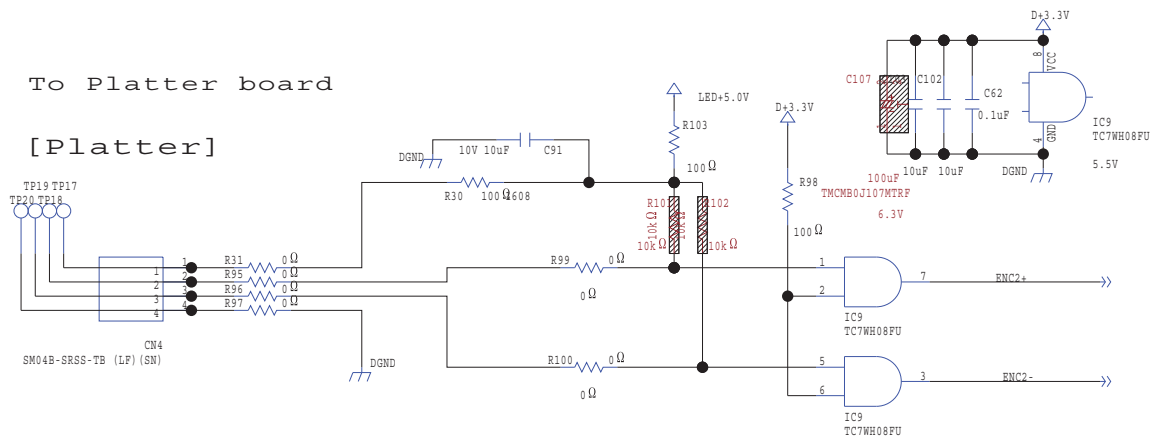


[Rotary Volume]

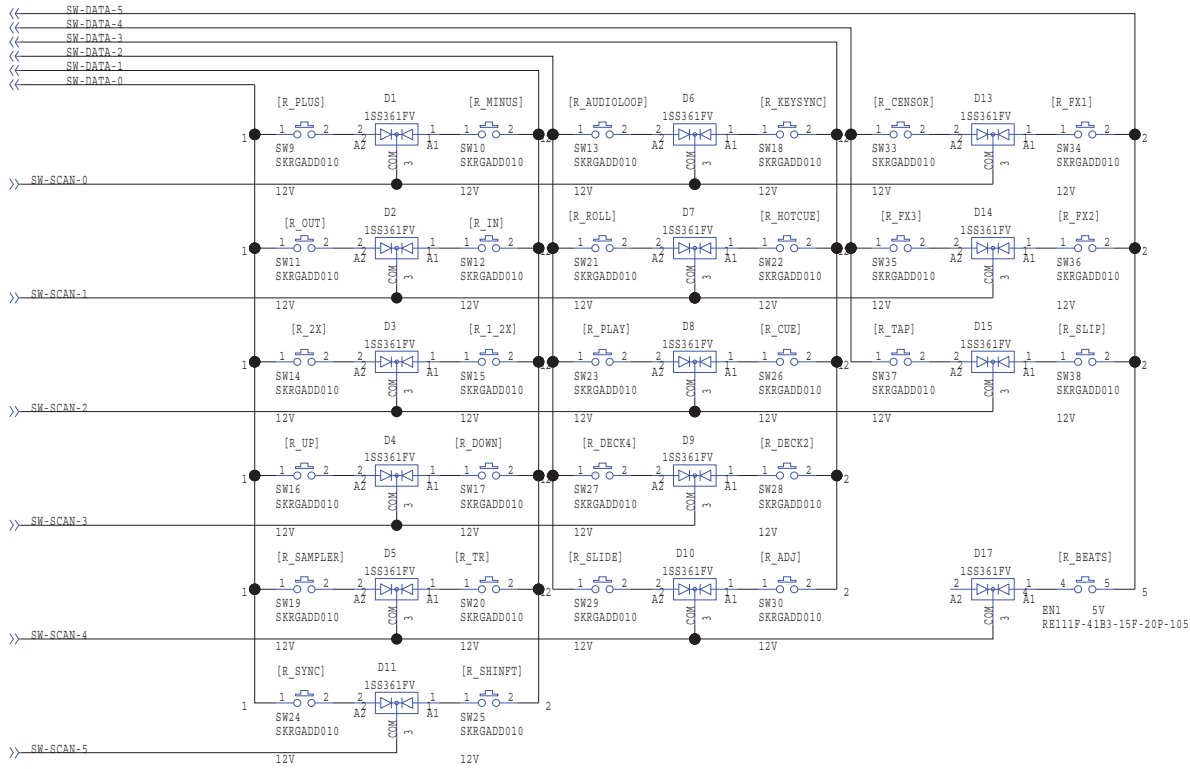


To Platter board

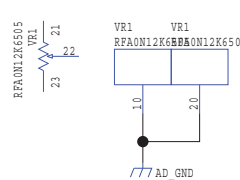
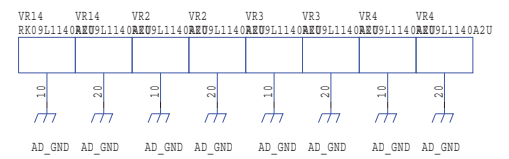
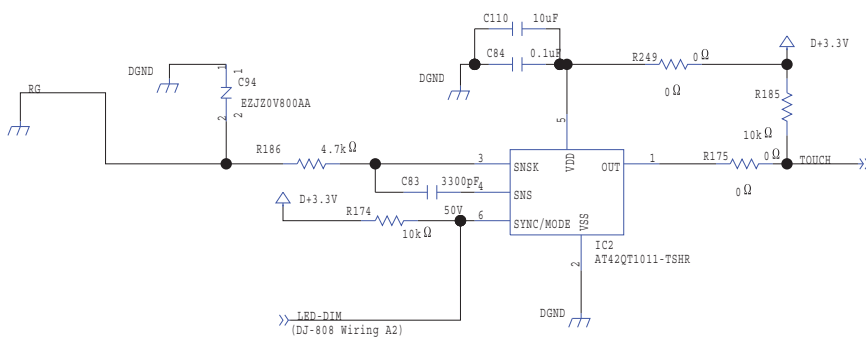
[Platter]



[SW 32+1pcs]

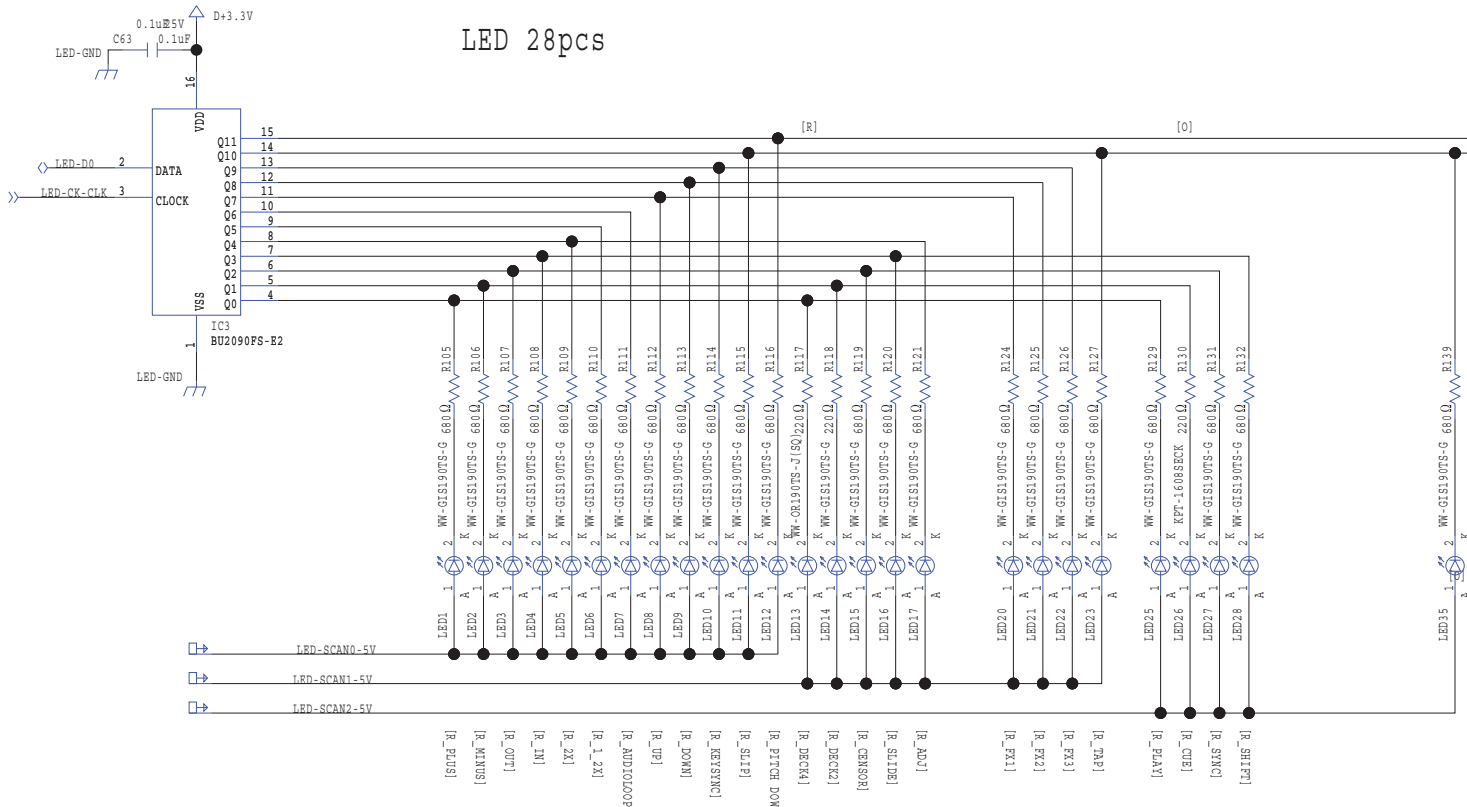


[TOUCH SENSOR]

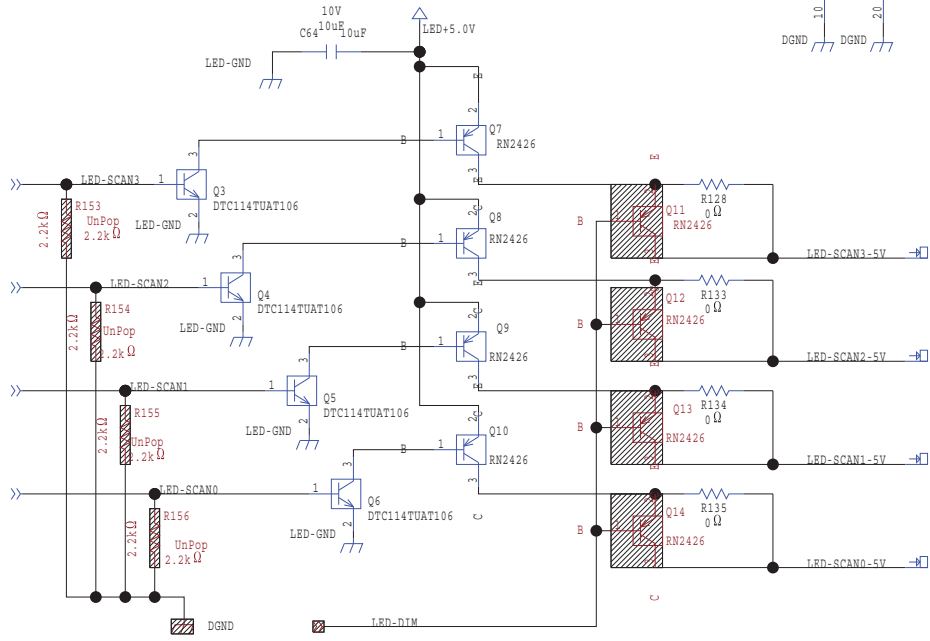
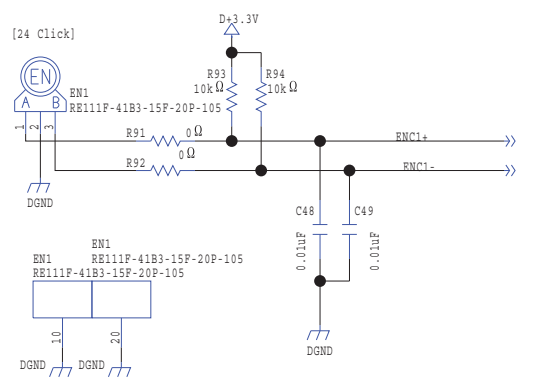


Circuit Diagram (Panel R Board: 3/5)

LED Block

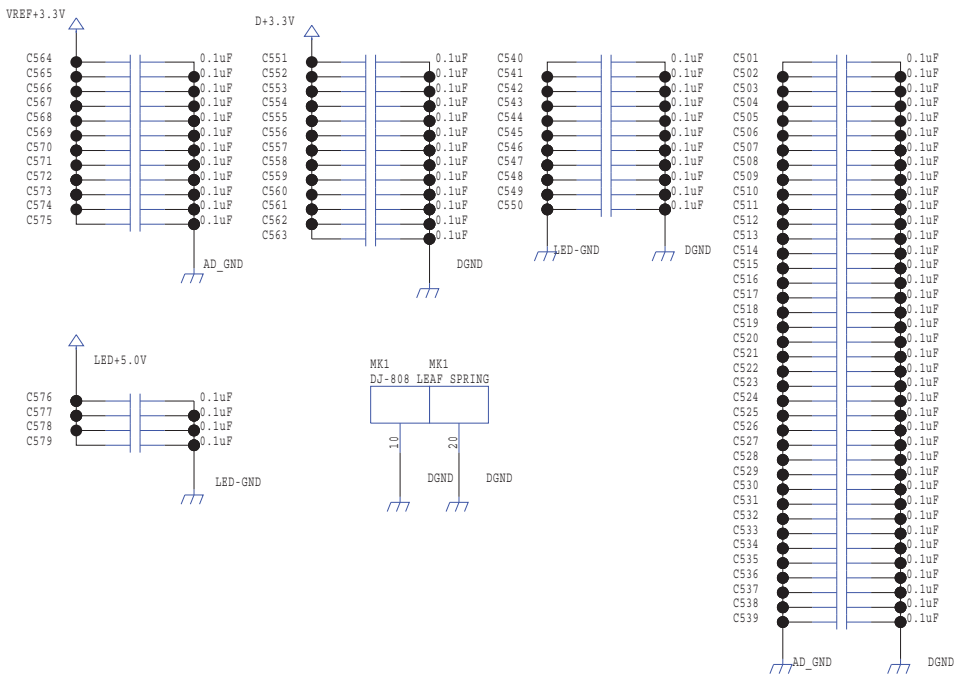
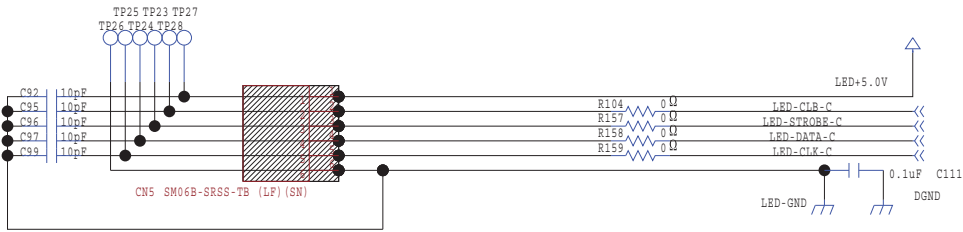


[Encoder]



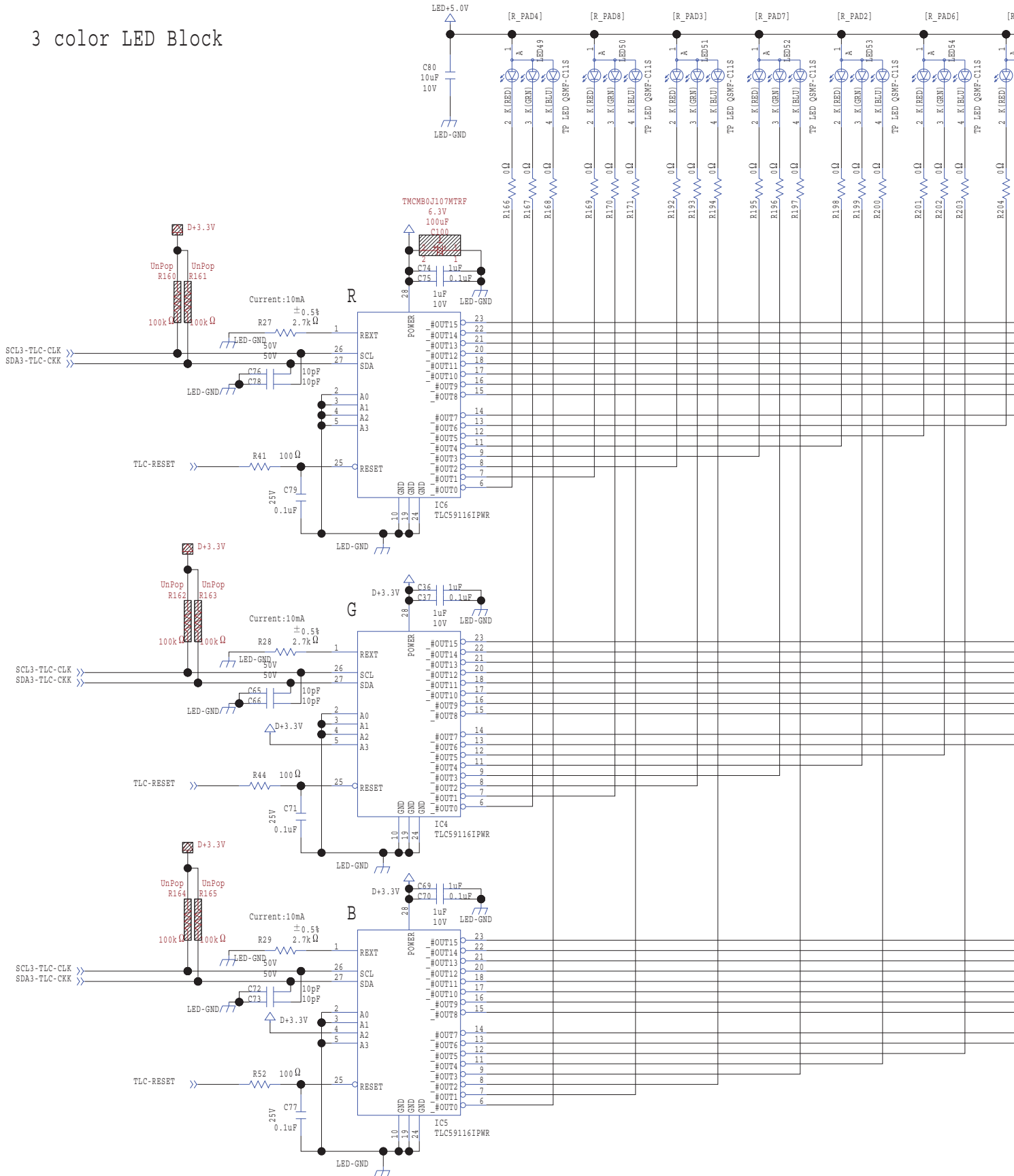
LED-D0-11 >>
LED-D0-10 >>

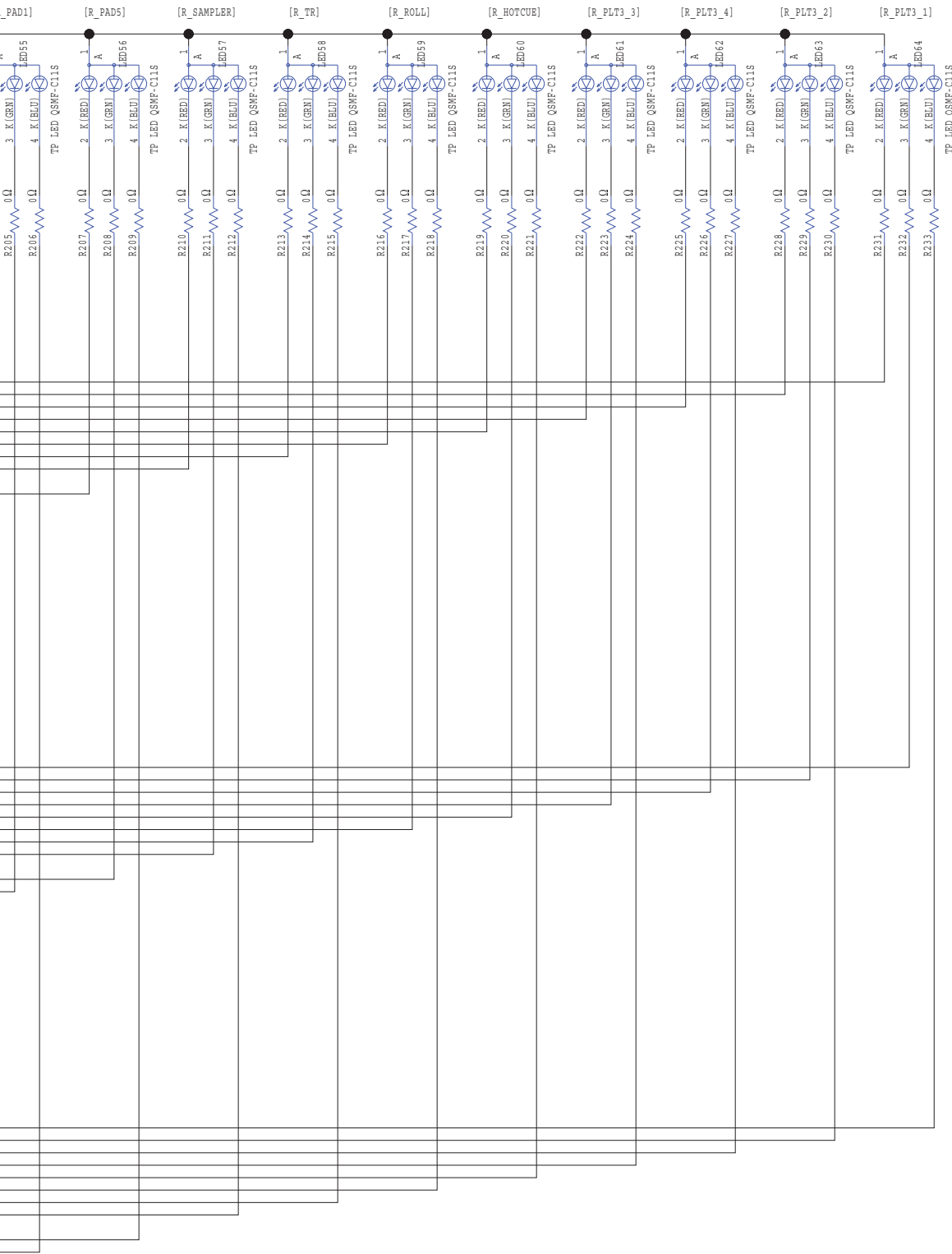
[CENTER LED]



Circuit Diagram (Panel R Board: 4/5)

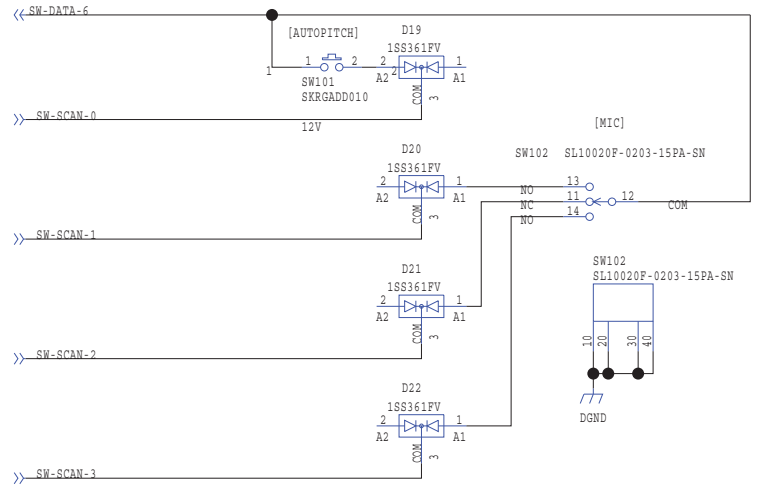
3 color LED Block





Circuit Diagram (Panel R Board: 5/5)

Upper section



[MIC_LOW]

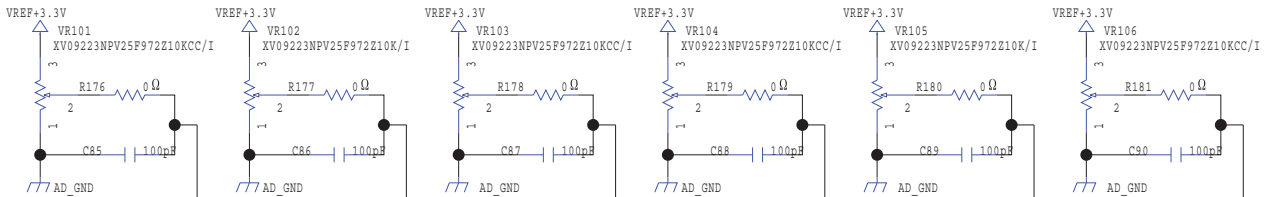
[MIC_REV]

[MIC_HI]

[MIC_FORMT]

[MIC_LEVEL]

[MIC_PITCH]

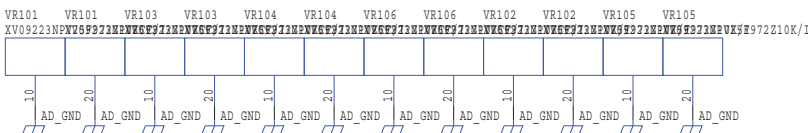
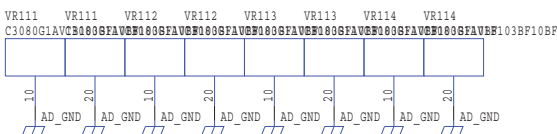
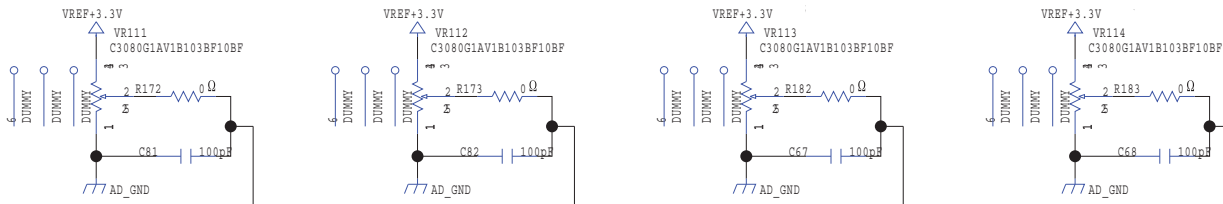


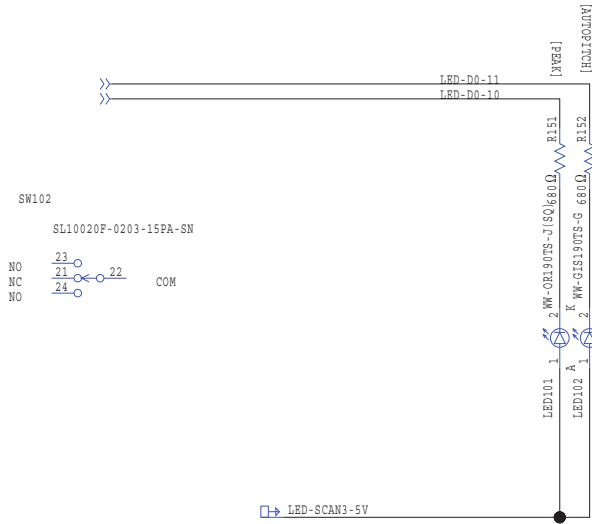
[TR-BD]

[TR-SD]

[TR-CH]

[TR-OH]





[Rotary Volume]

