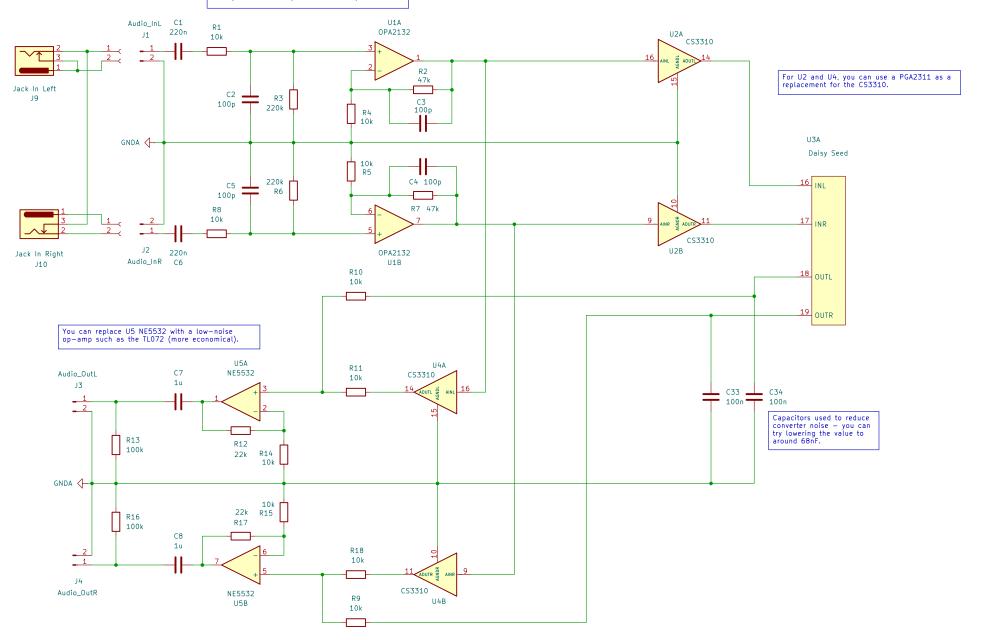
You can replace U1 OPA2132 with a low-noise FET-input op-amp, such as the OPA1642 (slightly better) or the TLO72 (more economical).



GNDD GNDD U6 TFT 2p PC0/D15 PD11/D26 GND → GNDD 23 D16 ENC2_B PA0/D16 PA1/D24 VCC PA0/D25 → +3.3VD ENC1_SW PB1/D17 SCL PG11/D8 ENC1_A SW1 PA7/D18 Encoder0 SDA PB5/D10 ENC1_B PA6/D19 TFT_SPI_RST 27 D20 RST PC1/D20 GNDD PC1/D20 TFT_SPI_DC 28 D21 PC4/D21 DC PC4/D21 CSO ENC2_A PA5/D22 PA6/D19 LED PB1/D17 PA7/D18 ENCO_SW PA1/D24 GNDD SW2 ENCO_A PA0/D25 4 Encoder1 → +5VD ENCO_B PD11/D26 Switch1 → GNDD PG9/D27 R20 R21 47k 47k R22 47k R23 R24 47k 47k 35 D28 R19 47k Switch2 PA2/D28 ×36 D29 PA0/D16 U2C CS3310 ×37 D30 PC0/D15 PA5/D22 PC11/D1 SW3 PC10/D2 Encoder2 PC9/D3 SCLK GNDD D4 ZCEN PB9/D12 PG10/D7 PB8/D11 U4C SW4 CS3310 Encoder3 J5 Switch 1 cs O-PG9/D27 SCLK MUTE 08 Switch 2 ZCEN PA2/D28 \rightarrow → +3.3VD GNDD R25 470 R26 J7 220 Jack MIDI D14 D1 1N914 A

H11L1 U7

GNDD

U3B Daisy Seed

D14 15 MIDI_IN

D11 12 ENC3_A

D13 14×

D10 11

D9 10×

D5 6 ×

D1 2

D0 1 ×

D14

PB9/D12

PB8/D11

√PG10/D7

PC9/D3

PC10/D2 > SSPI_Data PC11/D1

TFT_SPI_SDA PB5/D10

TFT_SPI_SCL PG11/D8

ENC3_SW

SSPI_MUTE

SSPI_CLK

SSPI_CS

