

MAINS POWER SWITCH

RAS-PI POWER SWITCH

RAS-PI RES/SHUT SWITCH

Short Push = REBOOT
Long Push = ShutDown
Push again = Boot

IR Receiver

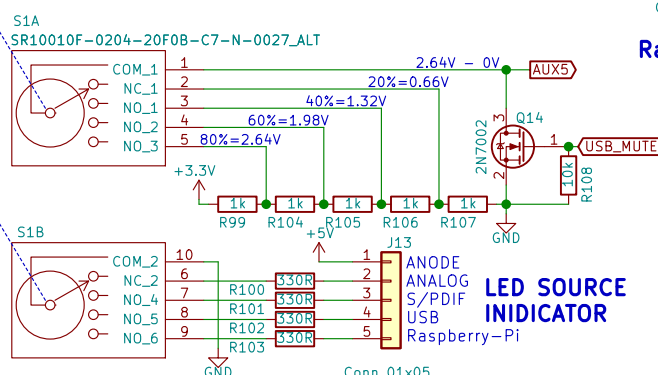
M96-16-SSD1306, etc....
I2C OEL DISPLAY (OPTIONAL)

FTDI TTL-232R-3V3
USB-UART
DEBUG Cable

SOURCE SELECT SWITCH

LOOK-UP-TABLE

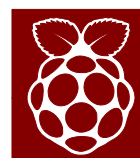
SOURCE	MIN	MAX
RAS-PI	12	15
Amanero	9	11
S/PDIF	6	8
Analog	3	5
MUTE	0	2



Power ON/OFF Mute Driver

Shutdown Delay Driver

Raspberry-Pi Slot



SMPS 12V -> 3.3V, 1A

SMPS 12V -> 5V, 3A

Amanero
Combo384

Combo384 Slot

amanero
technologies

Power Status LED

Mounting Holes

Sheet: ADC_IO Part

File: ADC_IO.sch

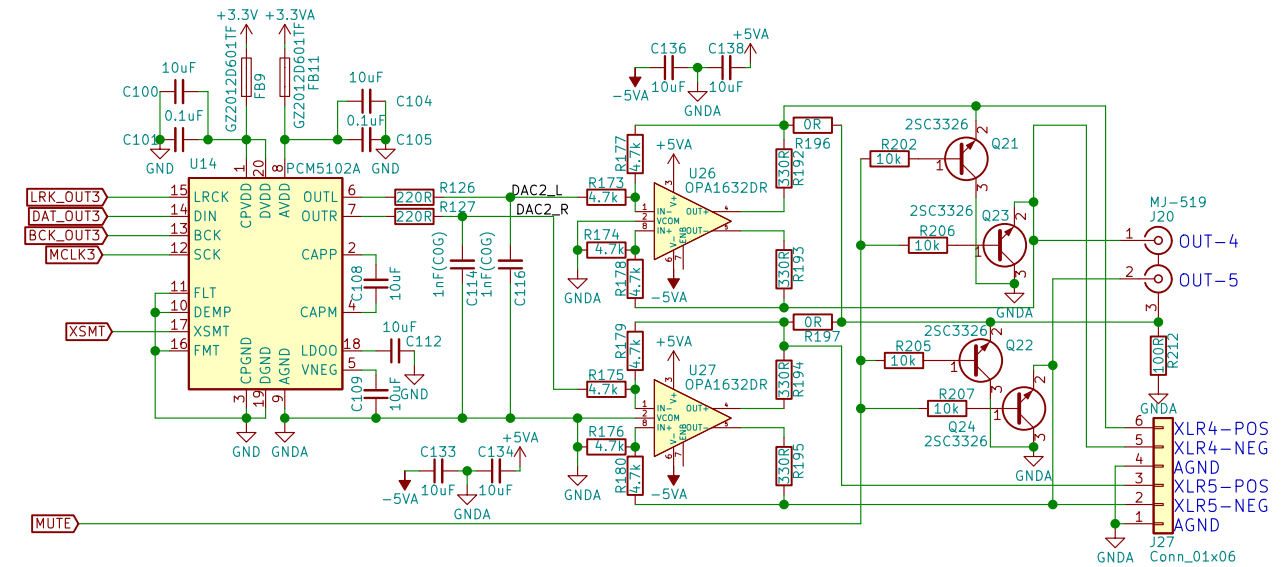
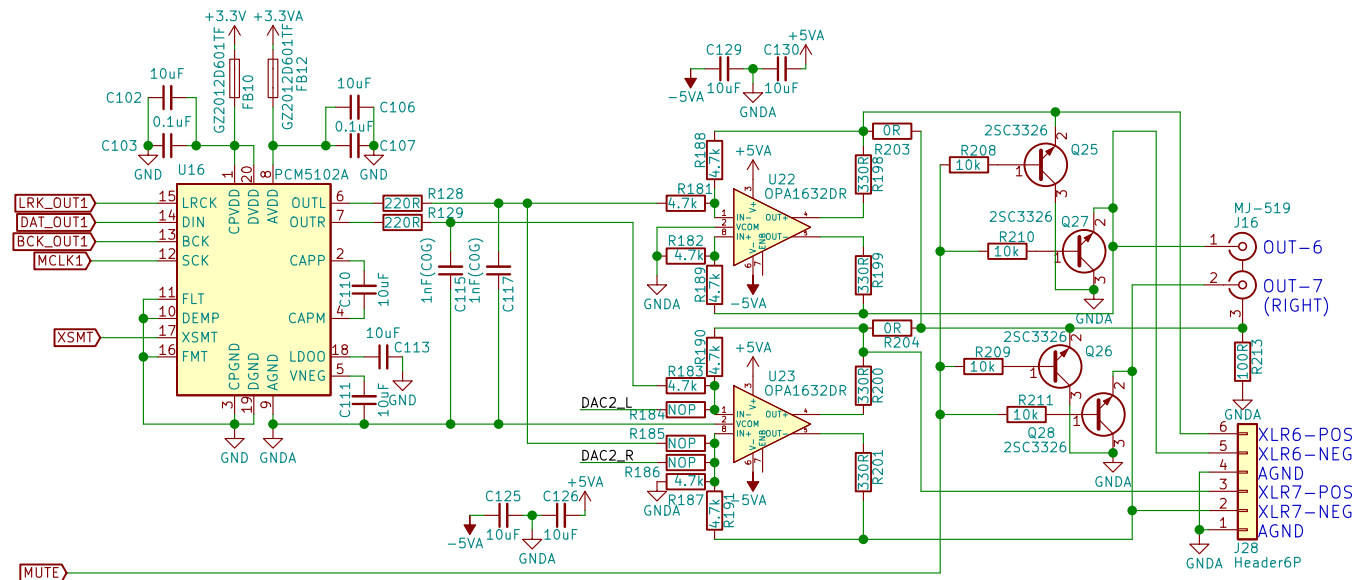
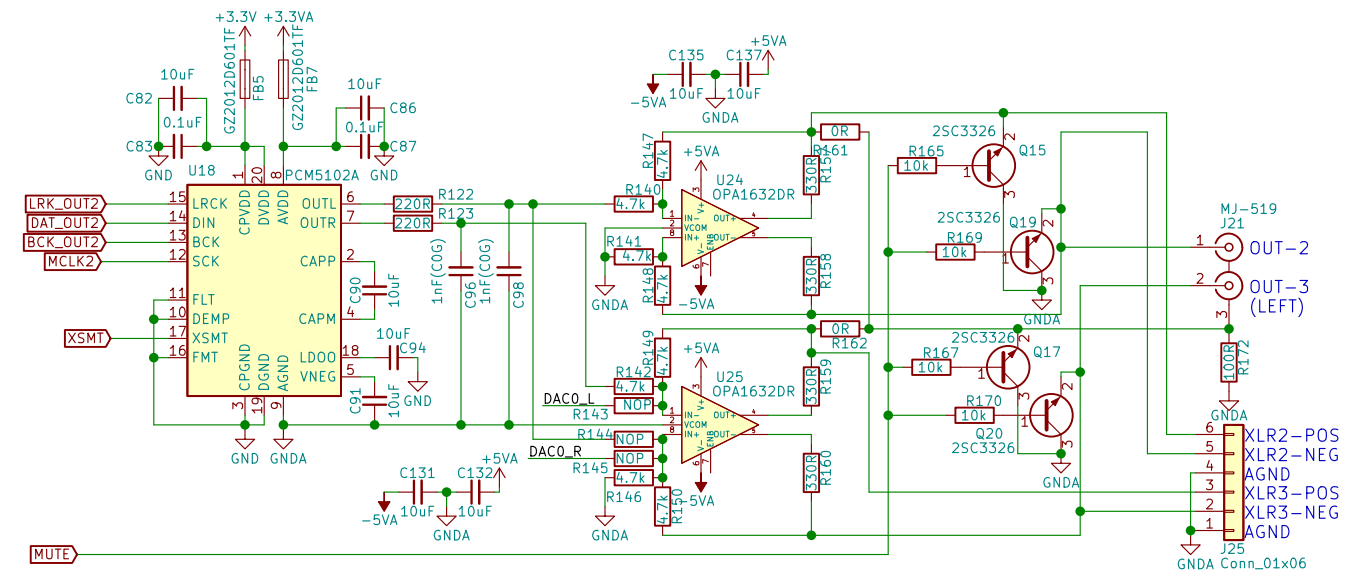
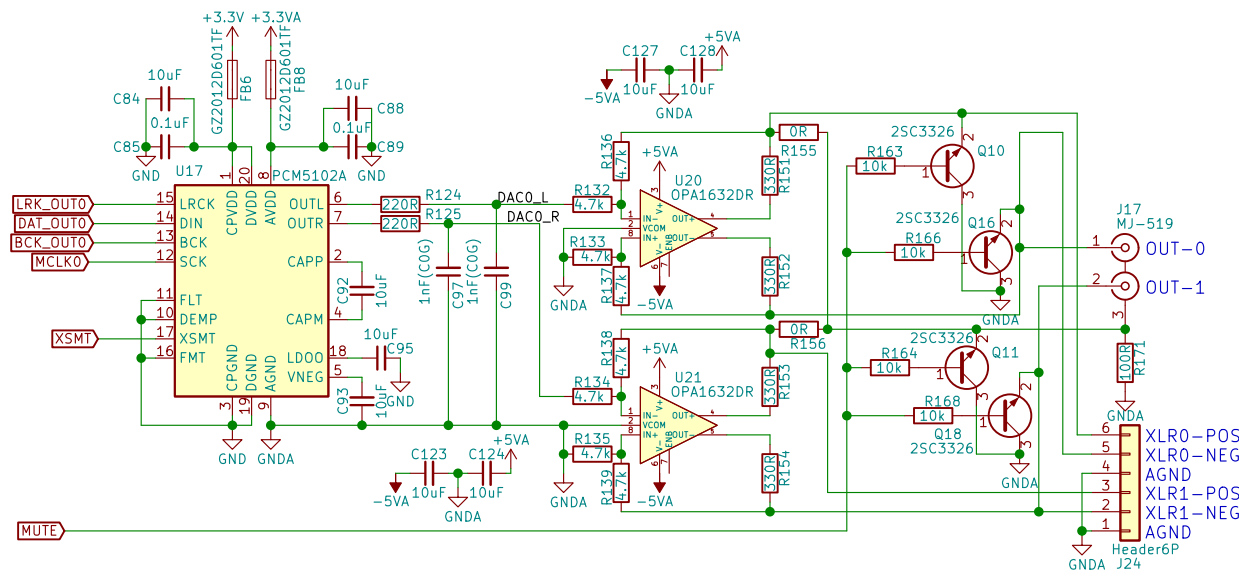
Designed by CyberPit 2023

Sheet: /
File: FreeDSP_OCTAVIA.sch

Title: FreeDSP OVTAVIA Main Board

Size: A3 Date: 2023-03-11
KiCad E.D.A. kicad (5.1.9-0-10_14)

Rev: 0.2
Id: 1/3



FreeDSP OCTAVIA (basic version)

NOT POPULATE : U22, U23, R182, R189, R187, R191, R199, R201, R203, R209, Q26, R208, Q25, R204, R198, R200
CHANE (to Zero Ohm): R181, R188, R183, R190, R213
JUMPER(Between): J28 pin2-Pin3, pin5-pin6

AS WELL TO THE ANOTHER PART ...

FreeDSP OCTAVIA (Differential version)

NOT POPULATE: Q25, R208 (if you want)
AS WELL TO THE ANOTHER PART ...

FreeDSP OCTAVIA (Balanced version)

NOT POPULATE: J16, R213, R203
AS WELL TO THE ANOTHER PART ...

FreeDSP OCTAVIA (Extend S/N 6dB stereo version)

NOT POPULATE:
U26, U21, Q23, Q22, Q24, J20, J27, R202, R206, R205, R207, R212, R196, R197, R192, R193, R194, R195,
R177, R173, R174, R178, R175, R179, R176, R180, U22, Q25, Q27, R208, R210, R209, R210, R203, R198, R199, R188, R181, R189, R182

CHANGE:
(to 10k) R183, R184, R185, R186
(to MJ-518 or Butique Jacks) J16
AS WELL TO THE ANOTHER PART ...

Designed by CyberPit 2023

- ☐ FreeDSP OCTAVIA (basic version)
- ☒ FreeDSP OCTAVIA (Differential version)
- ☐ FreeDSP OCTAVIA (Balanced version)
- ☐ FreeDSP OCTAVIA (Extend S/N 6dB version)

Sheet: /ADC_IO Part/DAC/
File: DAC.sch

Title: FreeDSP OCTAVIA DAC part

Size: A3 Date: 2023-03-11
KiCad E.D.A. kicad (5.1.9-0-10_14)

Rev: 0.2
Id: 3/3