

MAINS POWER SWITCH

RAS-PI POWER SWITCH

RAS-PI RES/SHUT SWITCH

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

IR Receiver

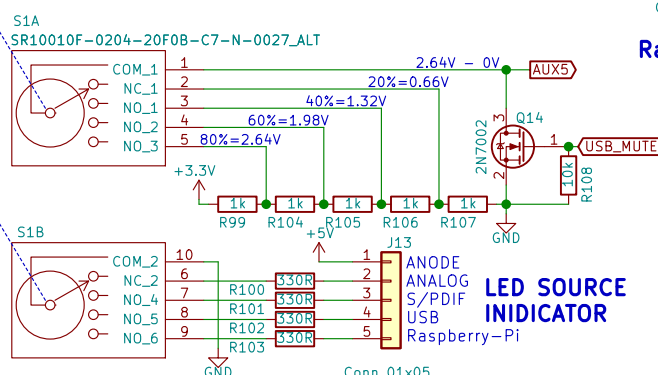
M96-16-SSD1306, etc....  
I2C OEL DISPLAY (OPTIONAL)

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

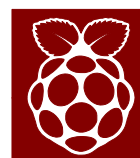
SOURCE SELECT SWITCH

LOOK-UP-TABLE

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



Raspberry-Pi Slot



LED SOURCE INDICATOR

Raspberry-Pi

Shutdown Delay Driver

Power-Off Delay Timing CR (40 Sec)

Power-On Delay Timing CR (.1 Sec)

Power ON/OFF Mute Driver

SMPS 12V -> 3.3V, 1A

SMPS 12V -> 5V, 3A

Amanero Combo384

Combo384 Slot

amanero technologies

Sheet: ADC\_IO Part

File: ADC\_IO.sch

Power Status LED

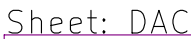
Designed by CyberPit 2023

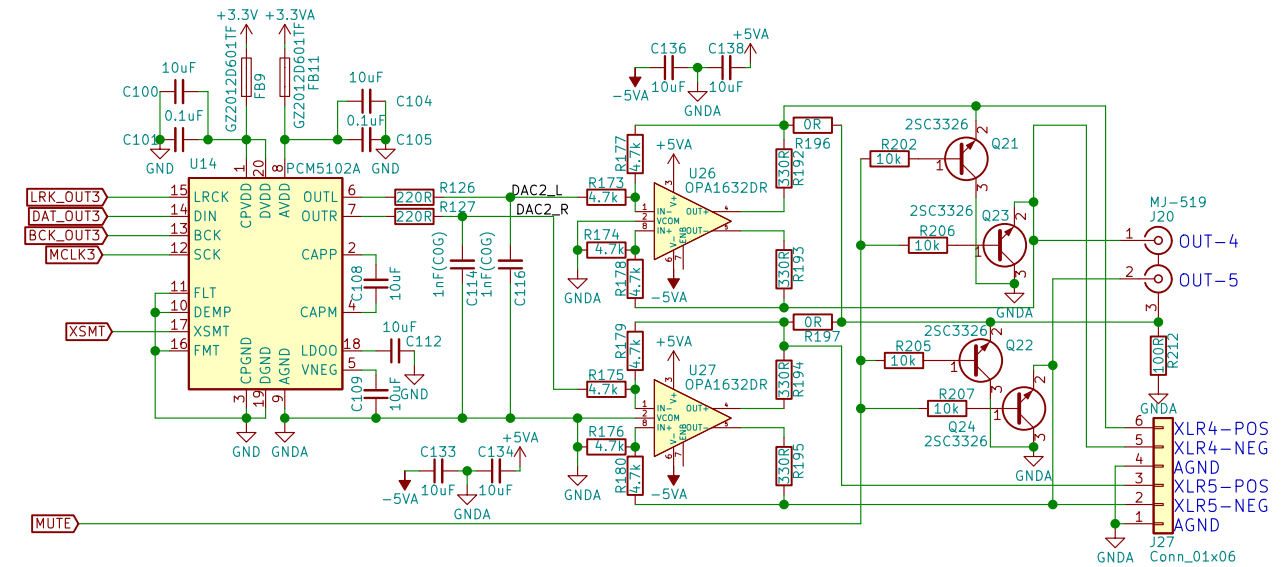
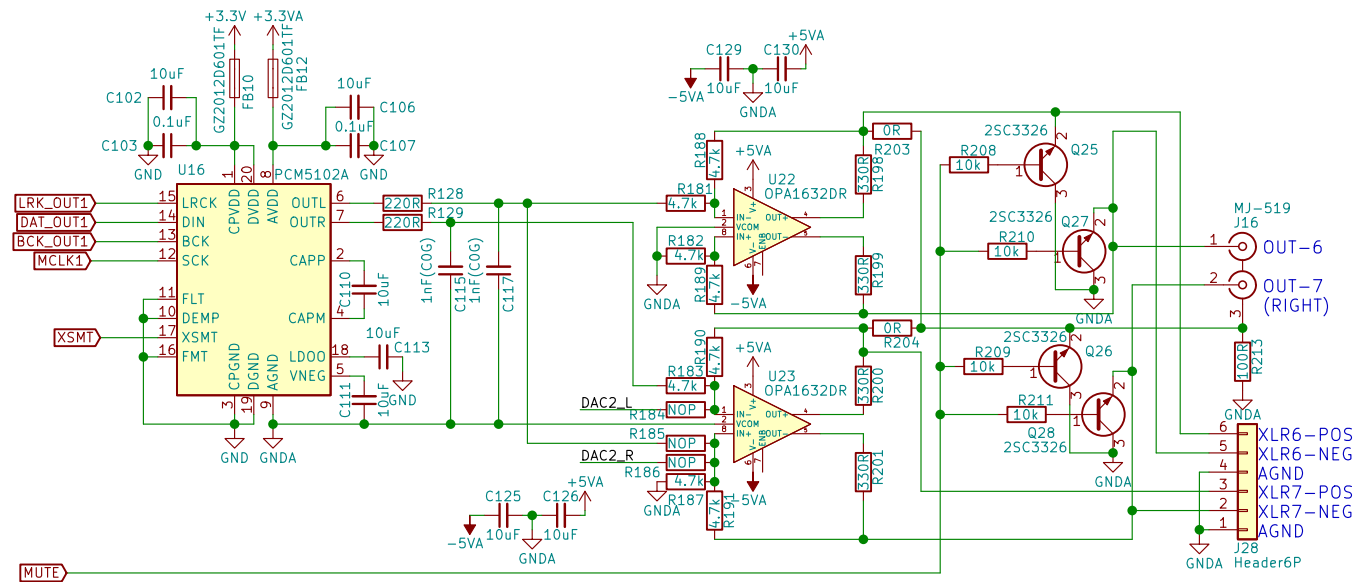
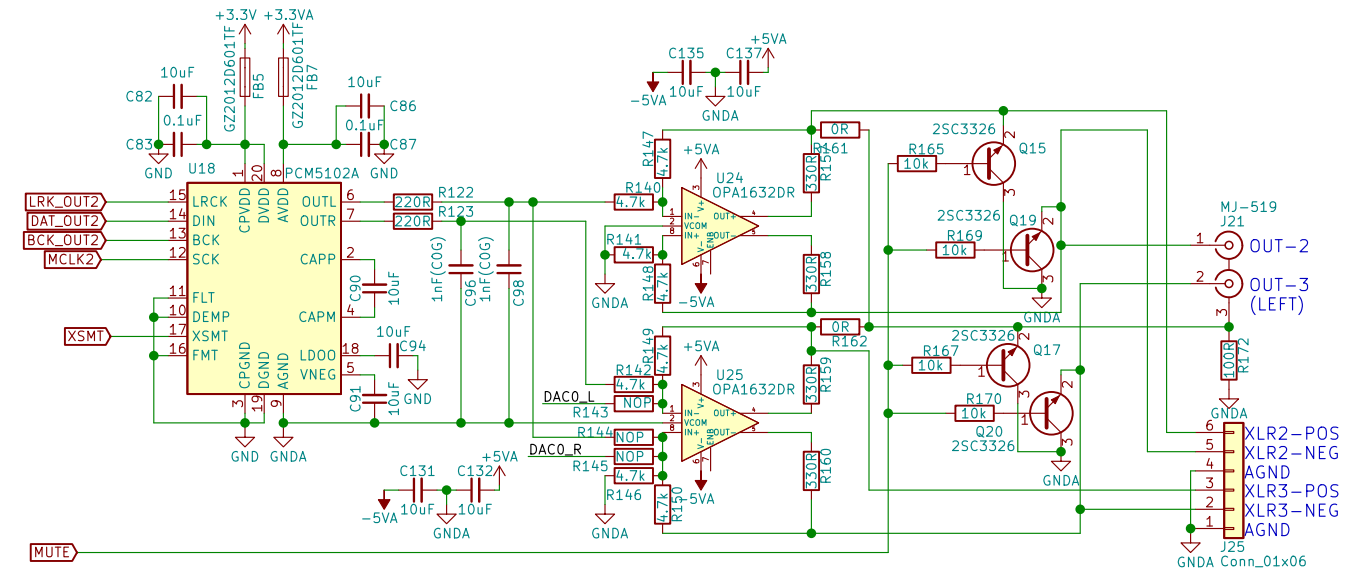
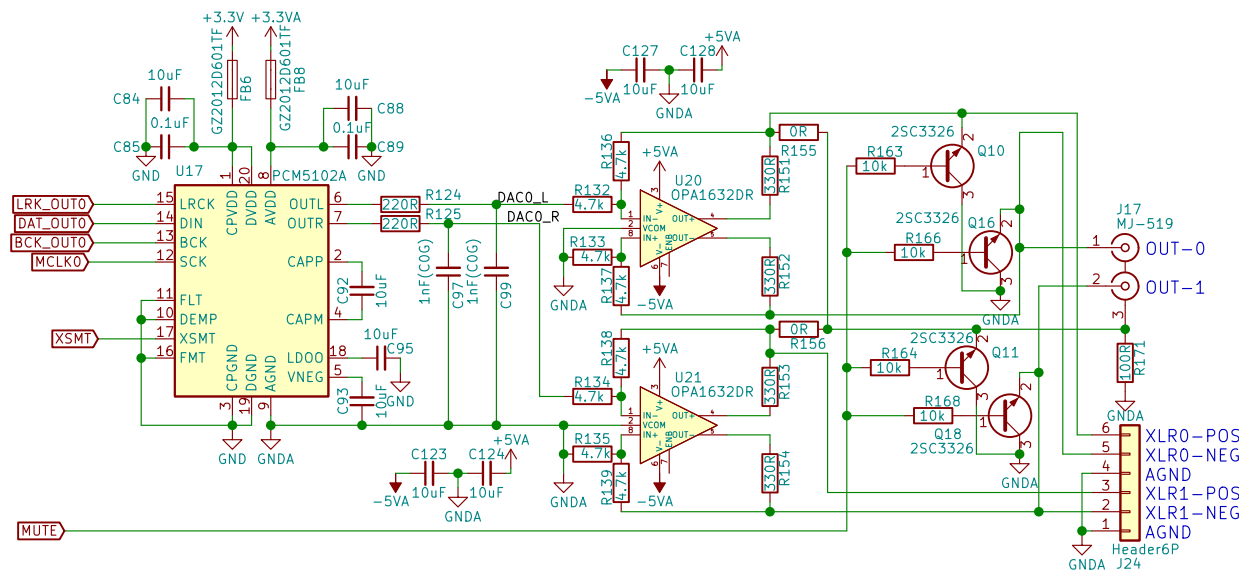
Sheet: /  
File: FreeDSP\_OCTAVIA.sch

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