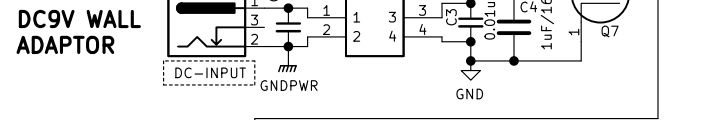
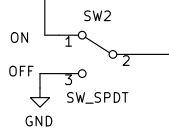


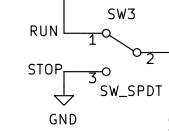
DC9V WALL ADAPTOR



MAINS POWER SWITCH

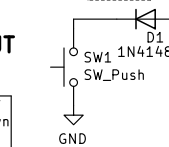


RAS-PI POWER SWITCH

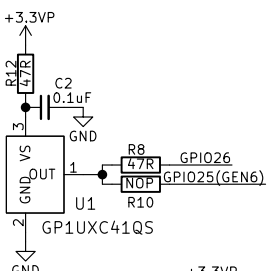


RAS-PI RES/SHUT SWITCH

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



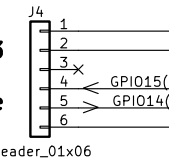
IR Receiver



I2C OEL DISPLAY (OPTIONAL)



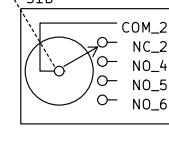
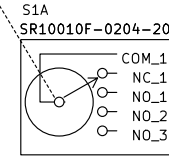
FTDI TTL-232R-3V3 USB-UART DEBUG Cable



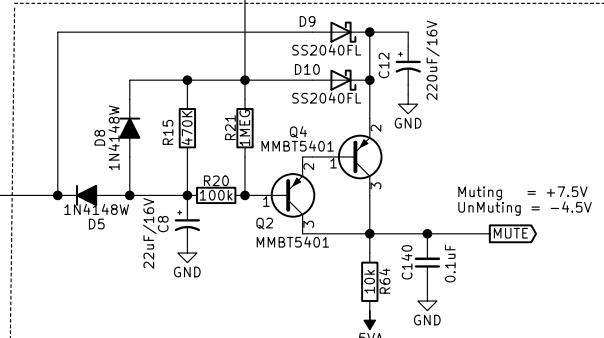
SOURCE SELECT SWITCH

LOOK-UP-TABLE

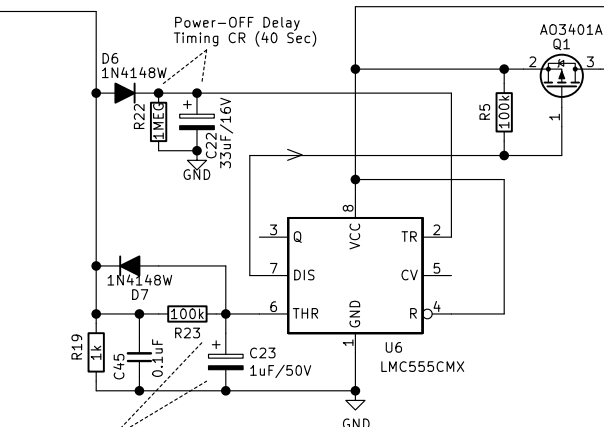
SOURCE	MIN	MAX
4:Analog	12	15
3:S/PDIF	9	11
2:USB	6	8
1:RAS-Pi	3	5
0:MUTE	0	2



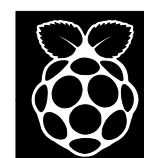
Power ON/OFF Mute Driver



Shutdown Delay Driver



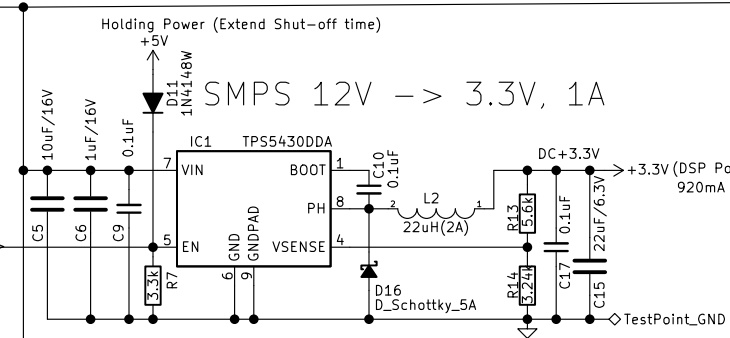
Raspberry-Pi Slot



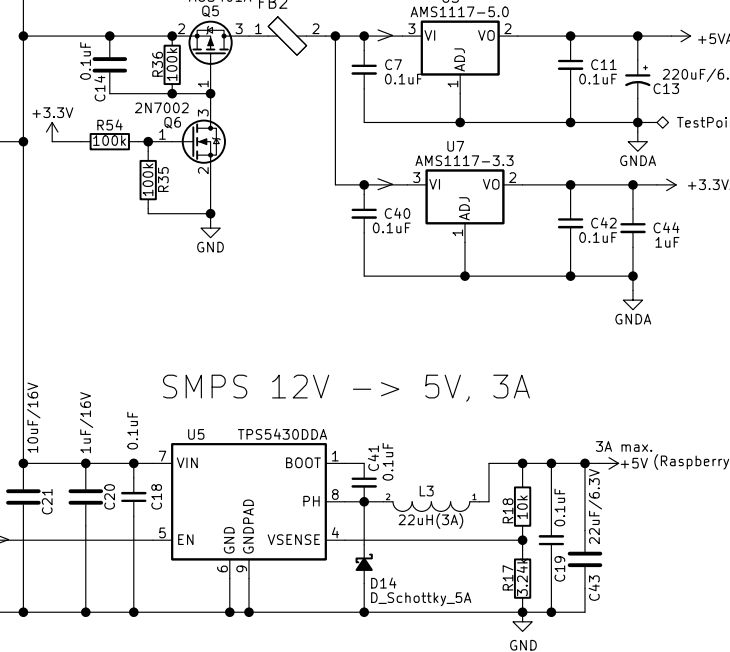
LED SOURCE INDICATOR



SMPS 12V -> 3.3V, 1A



SMPS 12V -> 5V, 3A



Power Status LED

RED = SHUTDOWN/MUTE
GRN = RASPI ENABLED
BLU = POWER ON

SHUT OFF RASPI RUN POWER ON

LED_ABGR

Header_01x04 BLUE GREEN ANODE RED

Mounting Holes

M2.5 M2.5

Sheet: ADC_IO Part



File: ADC_IO.sch

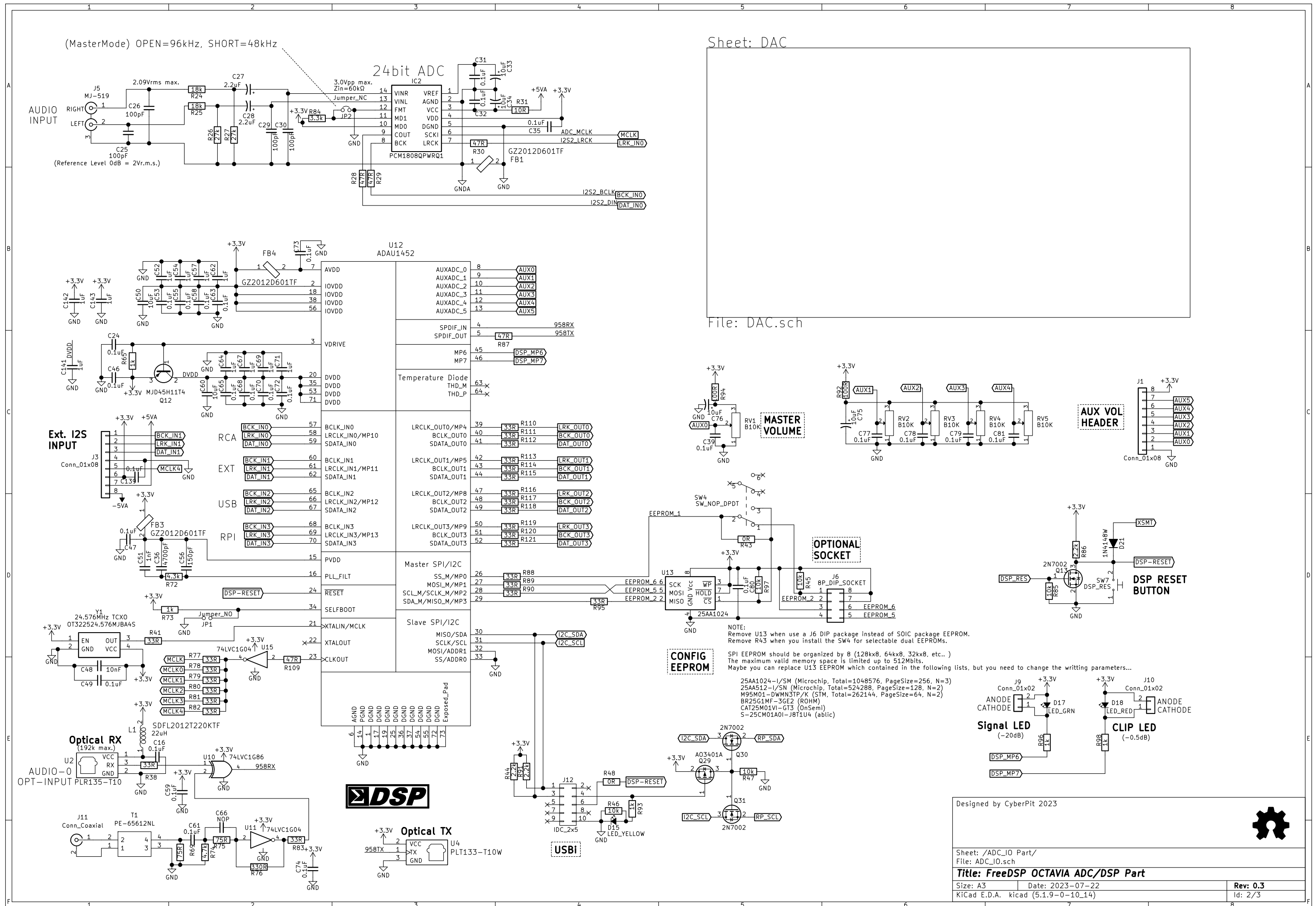
Designed by CyberPit 2023

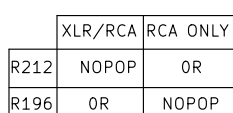
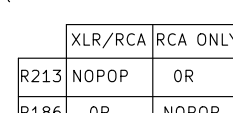
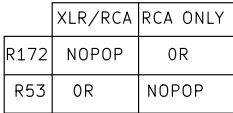
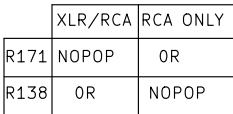
Sheet: /
File: FreeDSP_OCTAVIA.sch

Title: FreeDSP OVTAVIA Main Board

Size: A3 Date: 2023-07-22
KiCad E.D.A. kicad (5.1.9-0-10.14)

Rev: 0.3
Id: 1/3





REMOVE:
U26, U27, Q21, Q22, R202, R205, R173, R175, R194, R192, C145

CHANGE:
(to OR) R174, R178, R193, R176, R180, R195, R177, R52

JUMPER:
Between J27 pin6–pin5, Between J27 pin2–pin3

Designed by CyberPit 2023

- ☐ FreeDSP OVTAVIA (basic version)
- ☒ FreeDSP OVTAVIA (Differential version)
- ☒ FreeDSP OVTAVIA (Balanced version)

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

Title: FreeDSP OCTAVIA DAC part

Size: A3	Date: 2023-07-22
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KiCad E.D.A.	kicad (5.1.9-0-10_14)
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Rev: 0.3

Id: 3/3