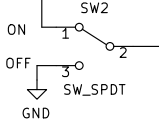


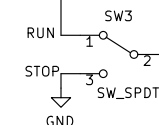
DC9V WALL ADAPTOR



MAINS POWER SWITCH

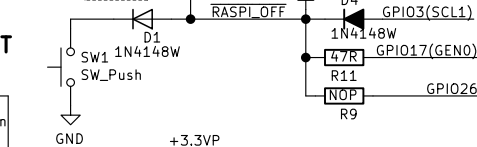


RAS-PI POWER SWITCH

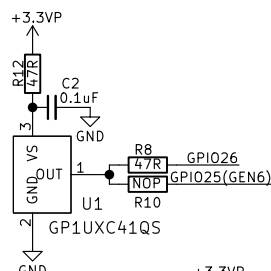


RAS-PI RES/SHUT SWITCH

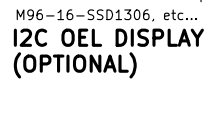
Short Push = REBOOT
Long Push = ShutDown
Push again = Boot



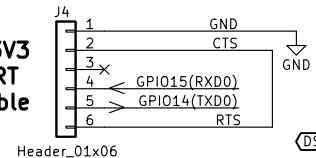
IR Receiver



I2C OEL DISPLAY (OPTIONAL)



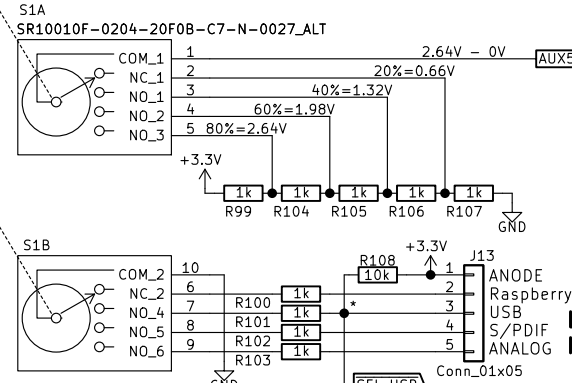
FTDI TTL-232R-3V3 USB-UART DEBUG Cable



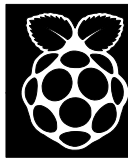
SOURCE SELECT SWITCH

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



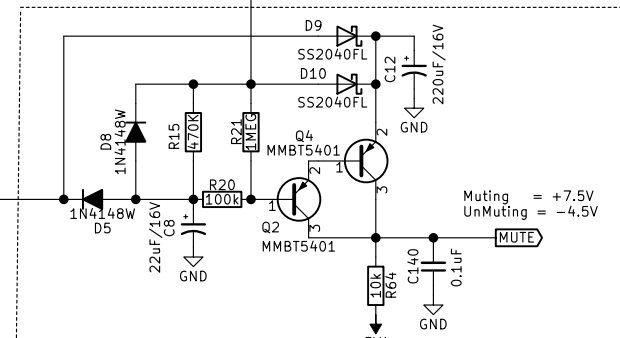
Raspberry-Pi Slot



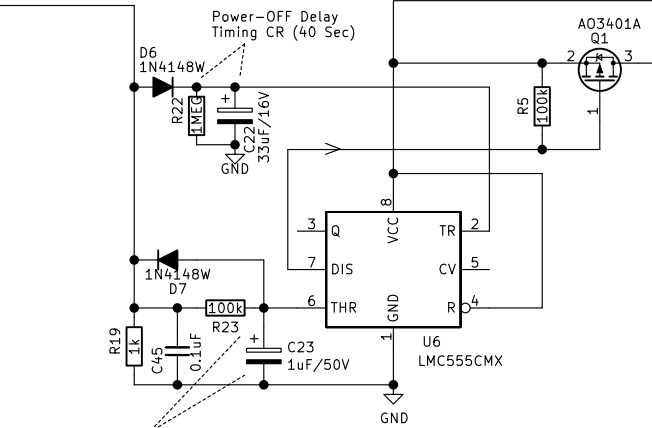
LED SOURCE INDICATOR

* USB Position has Changed

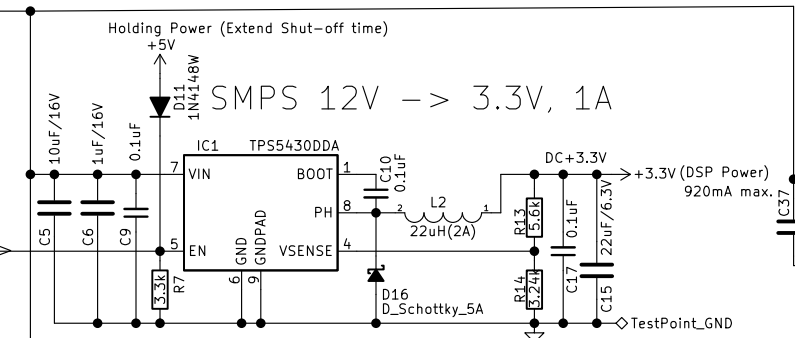
Power ON/OFF Mute Driver



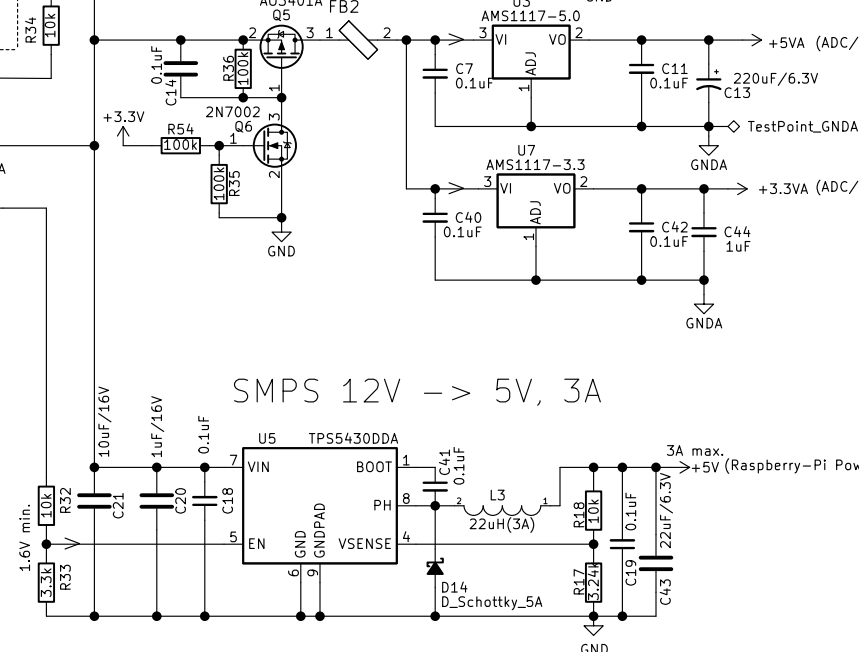
Shutdown Delay Driver



SMPS 12V -> 3.3V, 1A

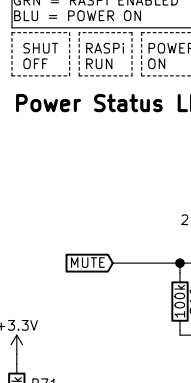


SMPS 12V -> 5V, 3A

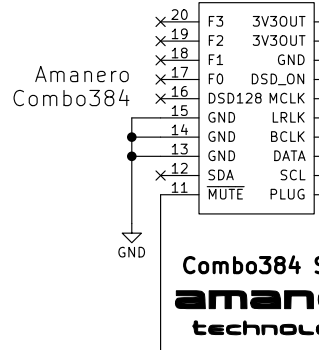


Power Status LED

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



Combo384 Slot



Sheet: ADC IO Part

File: ADC_IO.sch

Designed by CyberPit 2023

Sheet: /

File: FreeDSP_OCTAVIA.sch

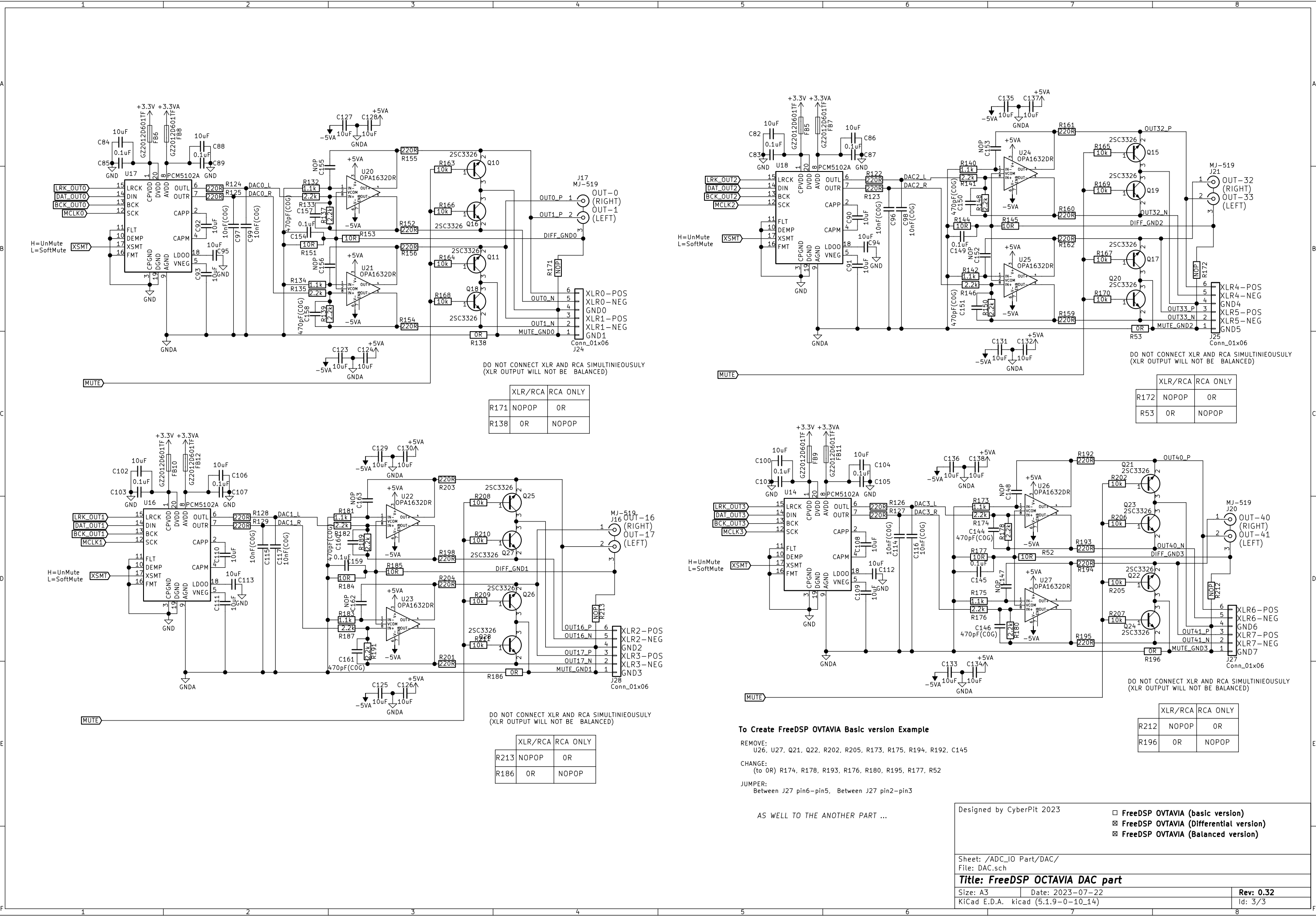
Title: FreeDSP OVTAVIA Main Board

Size: A3 Date: 2023-07-25

KiCad E.D.A. kicad (5.1.9-0-10.14)

Rev: 0.32

Id: 1/3



DO NOT CONNECT XLR AND RCA SIMULTANEOUSLY
(XLR OUTPUT WILL NOT BE BALANCED)

	XLR/RCA	RCA ONLY
R171	NOPOP	OR
R138	OR	NOPOP

DO NOT CONNECT XLR AND RCA SIMULTANEOUSLY
(XLR OUTPUT WILL NOT BE BALANCED)

	XLR/RCA	RCA ONLY
R172	NOPOP	OR
R53	OR	NOPOP

DO NOT CONNECT XLR AND RCA SIMULTANEOUSLY
(XLR OUTPUT WILL NOT BE BALANCED)

	XLR/RCA	RCA ONLY
R213	NOPOP	OR
R186	OR	NOPOP

DO NOT CONNECT XLR AND RCA SIMULTANEOUSLY
(XLR OUTPUT WILL NOT BE BALANCED)

	XLR/RCA	RCA ONLY
R212	NOPOP	OR
R196	OR	NOPOP

To Create FreeDSP OVTAVIA Basic version Example

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

AS WELL TO THE ANOTHER PART ...

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
KiCad E.D.A. kicad (5.1.9-0-10_14)

Rev: 0.32
Id: 3/3