

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

SMPS 12V -> 3.3V, 1A

SMPS 12V -> 5V, 3A

Power Status LED

Raspberry-Pi Slot



Combo384 Slot
amanero technologies

Sheet: ADC IO Part

File: ADC_IO.sch

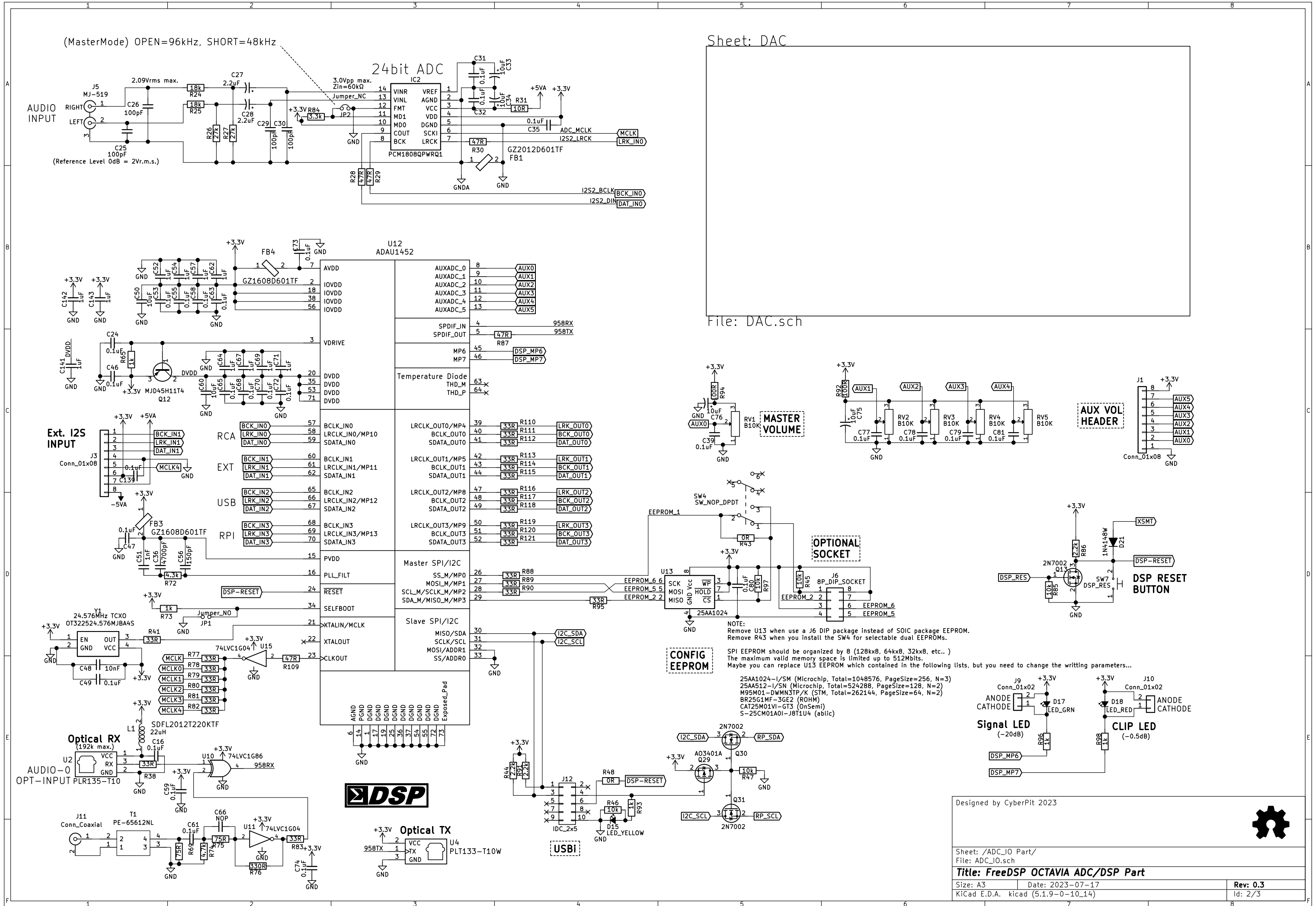
Designed by CyberPit 2023

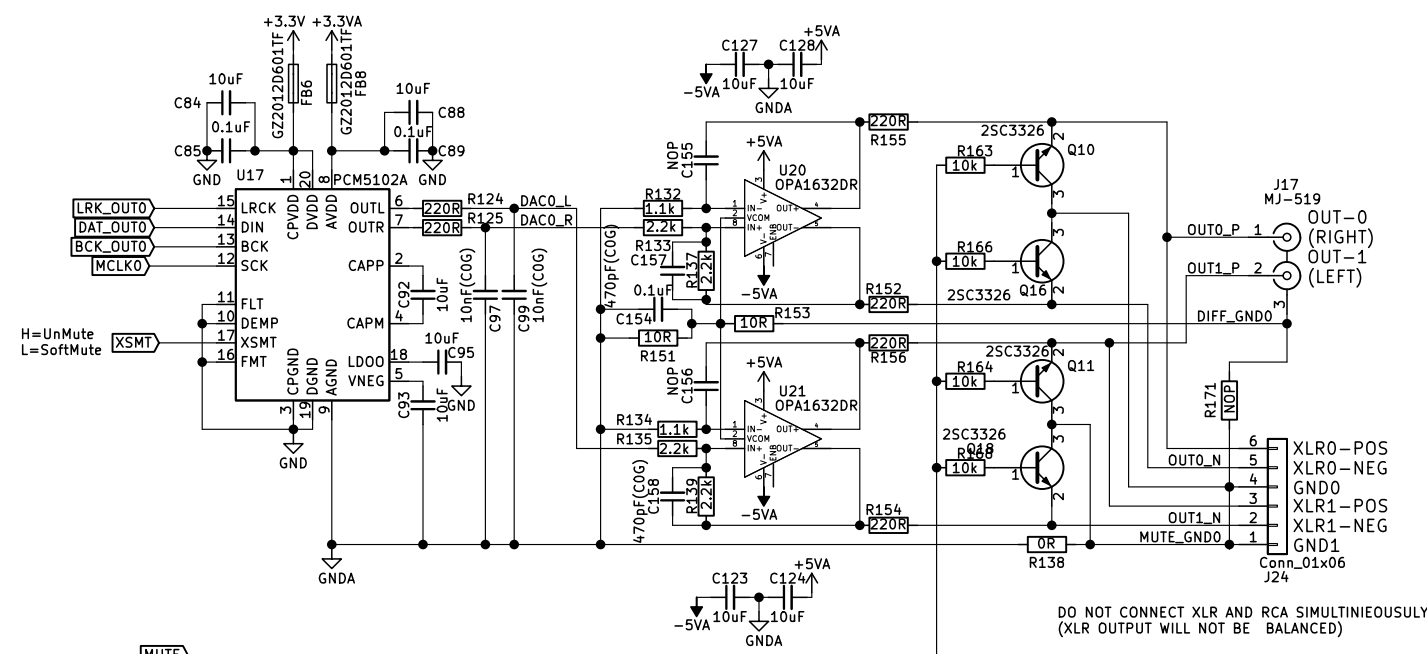
Sheet: /
File: FreeDSP_OCTAVIA.sch

Title: FreeDSP OVTAVIA Main Board

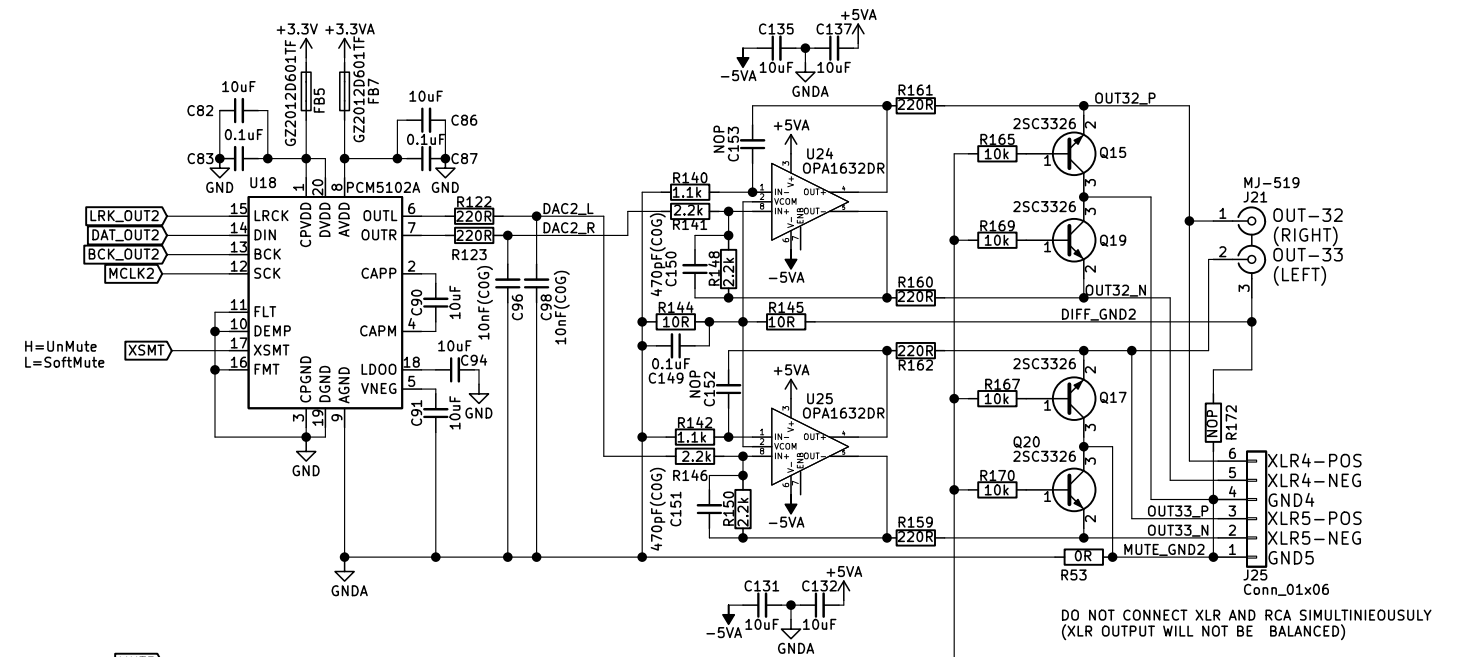
Size: A3 Date: 2023-07-17
KiCad E.D.A. kicad (5.1.9-0-10.14)

Rev: 0.3
Id: 1/3

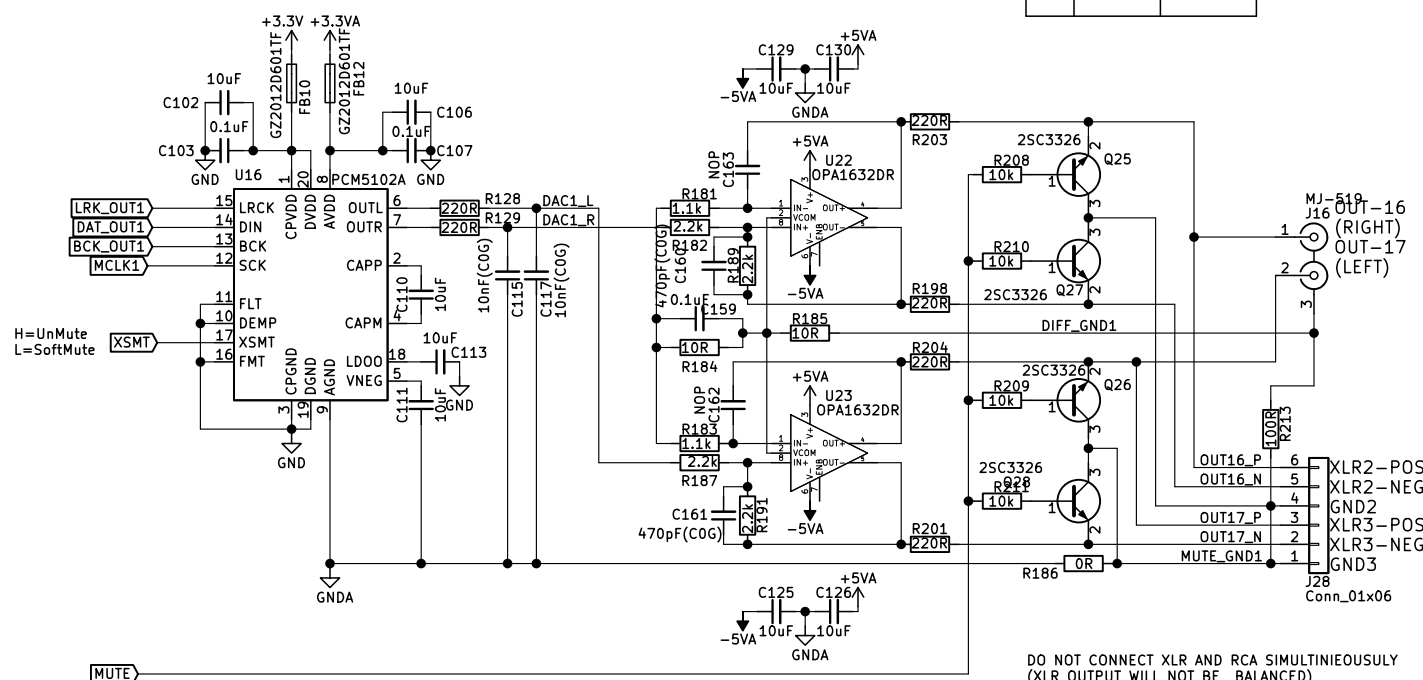




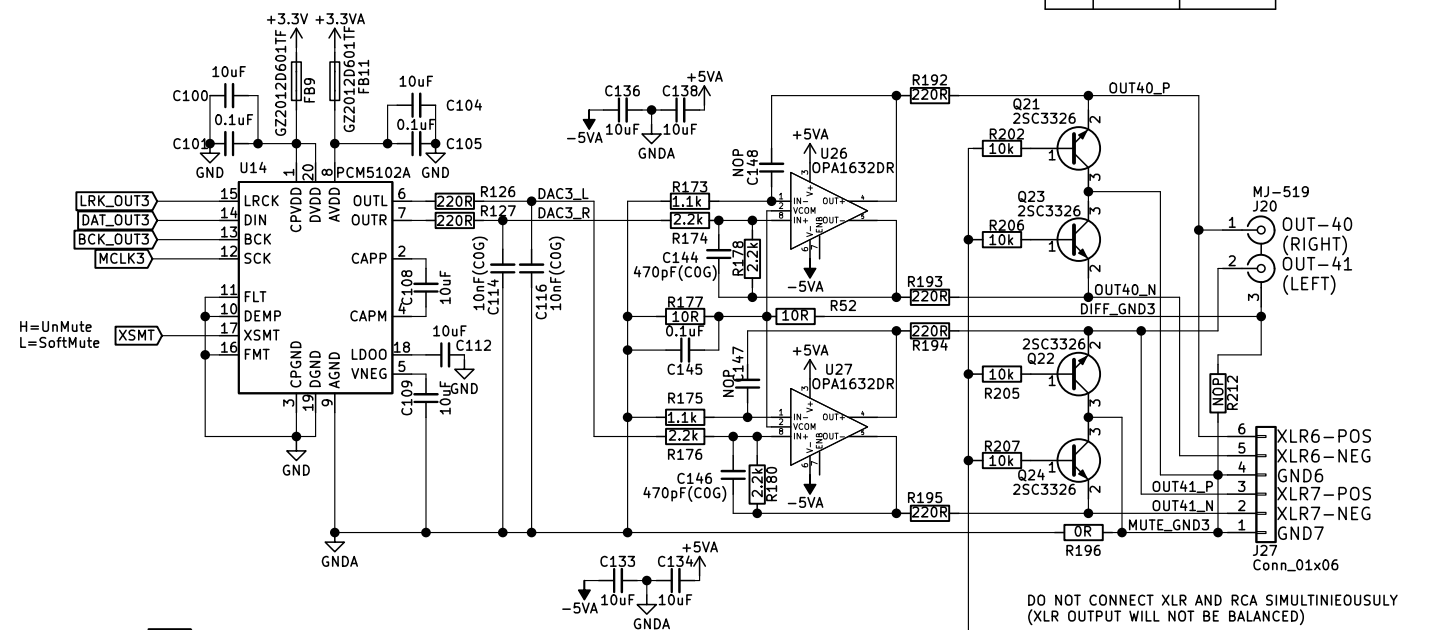
	XLR/RCA	RCA ONLY
R171	NOPOP	OR
R138	OR	NOPOP



	XLR/RCA	RCA ONLY
R172	NOPOP	OR
R53	OR	NOPOP



	XLR/RCA	RCA ONLY
R213	NOPOP	OR
R186	OR	NOPOP



	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 0R) 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: 2023-07-17
KiCad E.D.A. kicad (5.1.9-0-10_14)	

Rev: 0.3
Id: 3/3