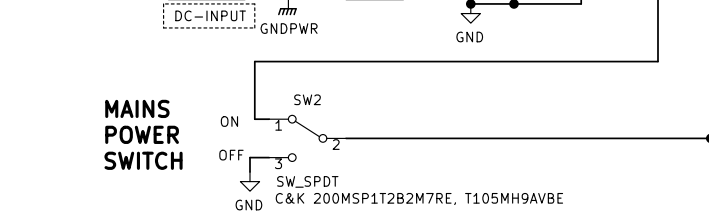


# DC9V WALL ADAPTOR



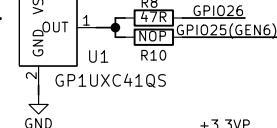
# MAINS POWER SWITCH

# RAS-PI POWER SWITCH

# RAS-PI SHUT/REBOOT SWITCH

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

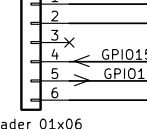
# IR Receiver



# I2C OEL DISPLAY (OPTIONAL)



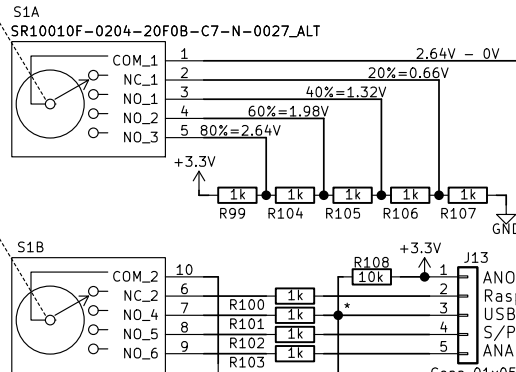
# FTDI TTL-232R-3V3 USB-UART DEBUG Cable



# 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



# LED SOURCE INDICATOR

\* USB Position has Changed

Conn\_01x05

Conn\_02x20\_Odd\_Even

Conn\_03x20\_Even

Conn\_04x20\_Odd\_Even

Conn\_05x20\_Odd\_Even

Conn\_06x20\_Odd\_Even

Conn\_07x20\_Odd\_Even

Conn\_08x20\_Odd\_Even

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Conn\_11x20\_Odd\_Even

Conn\_12x20\_Odd\_Even

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Conn\_217x20\_Odd\_Even

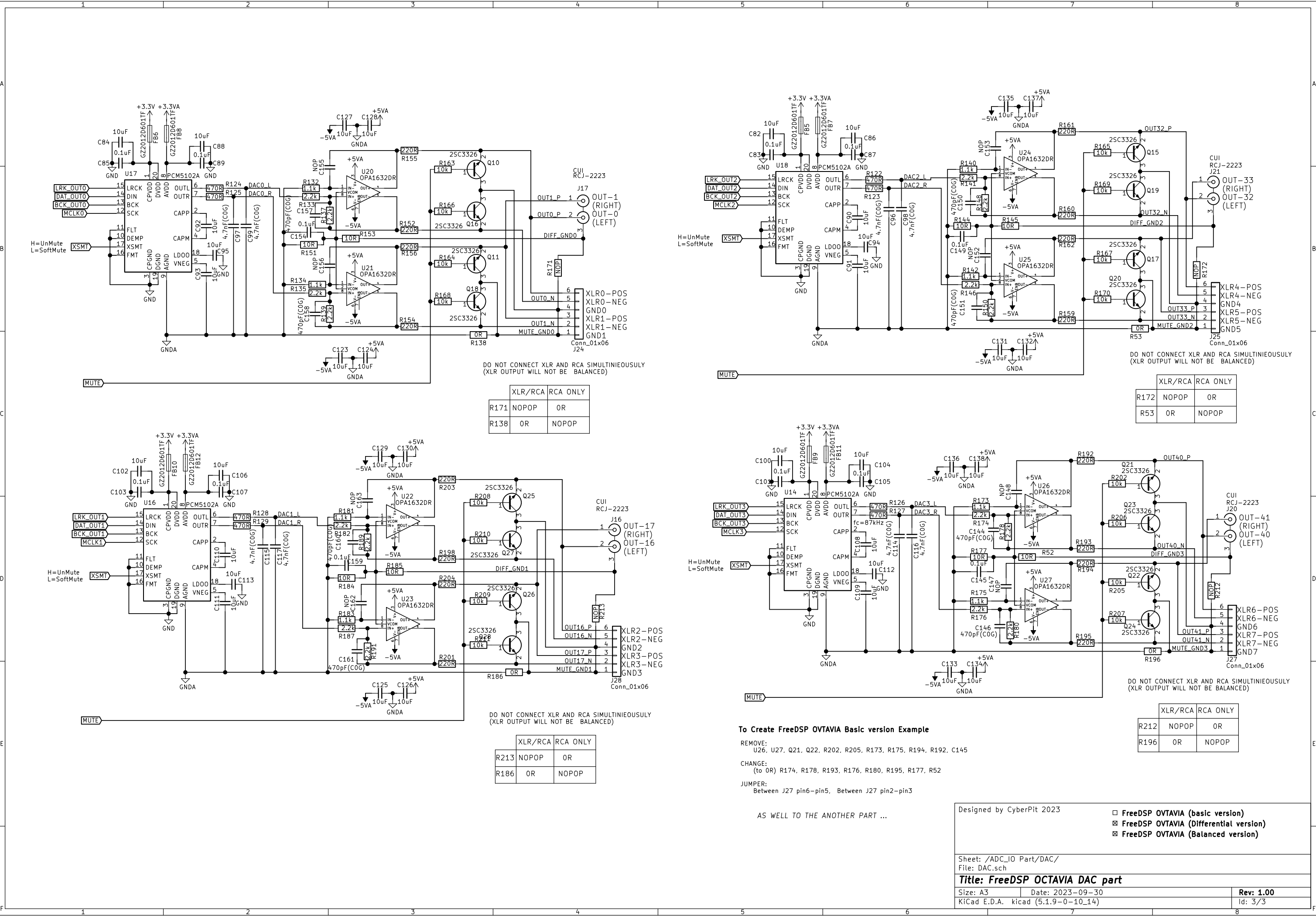
Conn\_218x20\_Odd\_Even

Conn\_219x20\_Odd\_Even

Conn\_220x20\_Odd\_Even

Conn\_22





	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: 2023–09–30      Rev: 1.00  
KiCad E.D.A. kicad (5.1.9–0–10\_14)      Id: 3/3