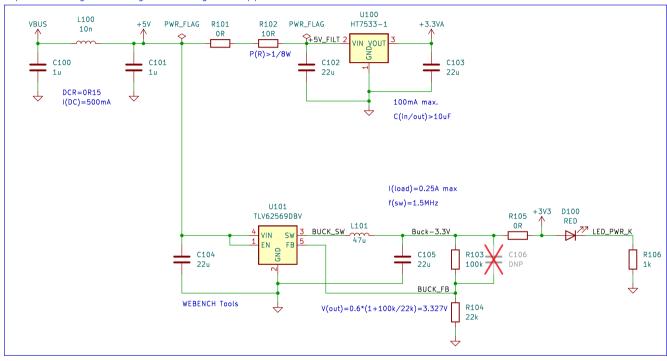
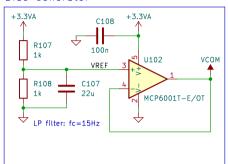


[1] Power

Input Filtering & Analogue and Digital Supplies



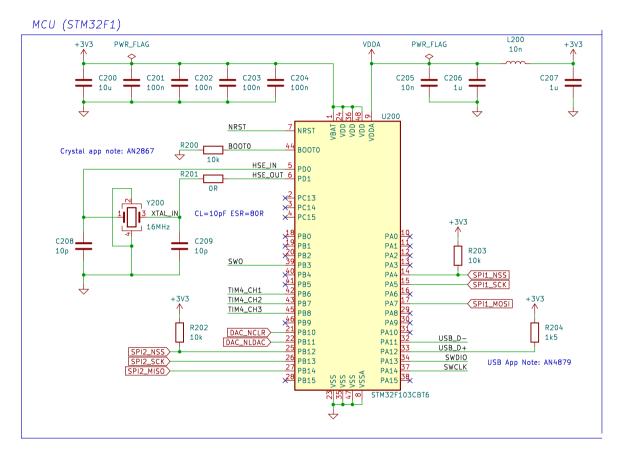
Bias Generator

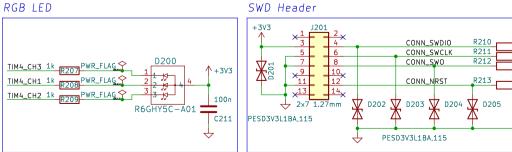


VBUS power comes from USB Type C connector (schematic page 2)

Ceyhun Pempeci		
Sheet: /Power/		
File: Power.kicad_sch		D
Title: Mixed Signal PCB		
Size: A4 Date: 2024-04-14	Rev: 1.0	
KiCad E.D.A. kicad 7.0.8	ld: 2/5	

[2] Microcontroller & USB





USB Type C

49R9_SWDIO

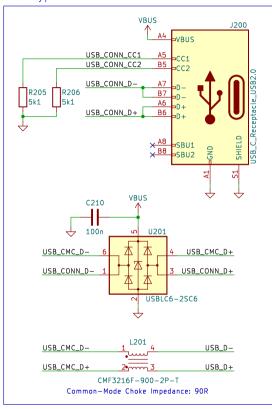
49R9 SWCLK

49R9 NRST

C212

100n

49R9

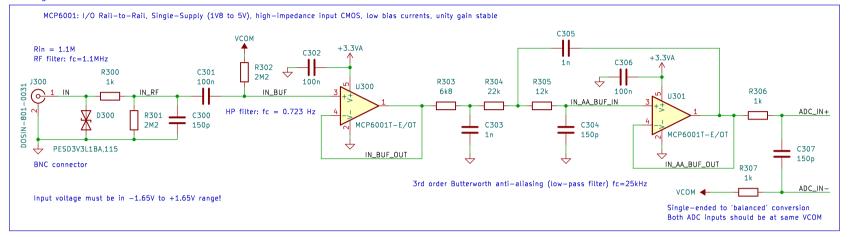


Signal Path:
Connector <-> ESD Protection <-> Common-Mode Choke <-> Pull-Up <-> MCU

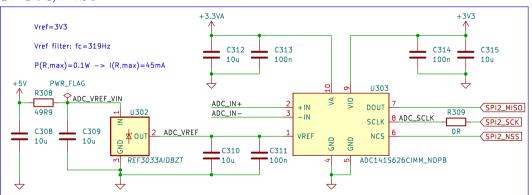
Ceyhun Pempec	i			
Sheet: /MCU/				7
File: MCU.kicad_	_sch			D
Title: Mixed	Signal PCB			1
Size: A4	Date: 2024-04-14	4	Rev: 1.0	
KiCad E.D.A. ki	cad 7.0.8		ld: 3/5	٦.
4		5	<u> </u>	<u> ر</u>

[3] ADC & Analogue Front-End

Analogue Front-End

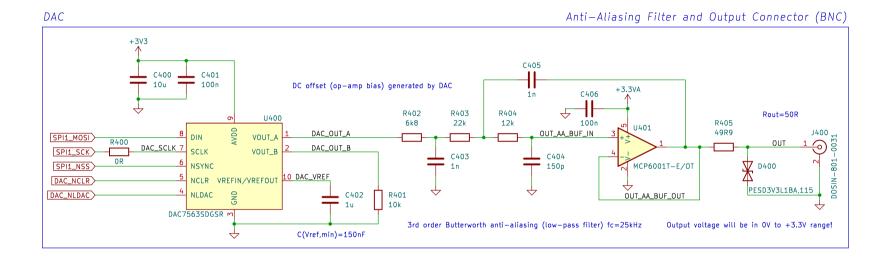


14-Bit S/H ADC



Ceyhun Pempeci					
Sheet: /ADC/					
File: ADC.kicad_sch					
Title: Mixed Signal PCB					
Size: A4	Date: 2024-04-14	Rev: 1.0			
KiCad E.D.A. kid	ad 7.0.8	ld: 4/5			

[4] DAC & Analogue Output Circuitry



Ceyhun Pempec	i		
Sheet: /DAC/			
File: DAC.kicad_	sch		
Title: Mixed	Signal P	СВ	
Size: A4	Date: 20	24-04-14	Rev: 1.0
KiCad E.D.A. ki	cad 7.0.8		ld: 5/5
7.		E	