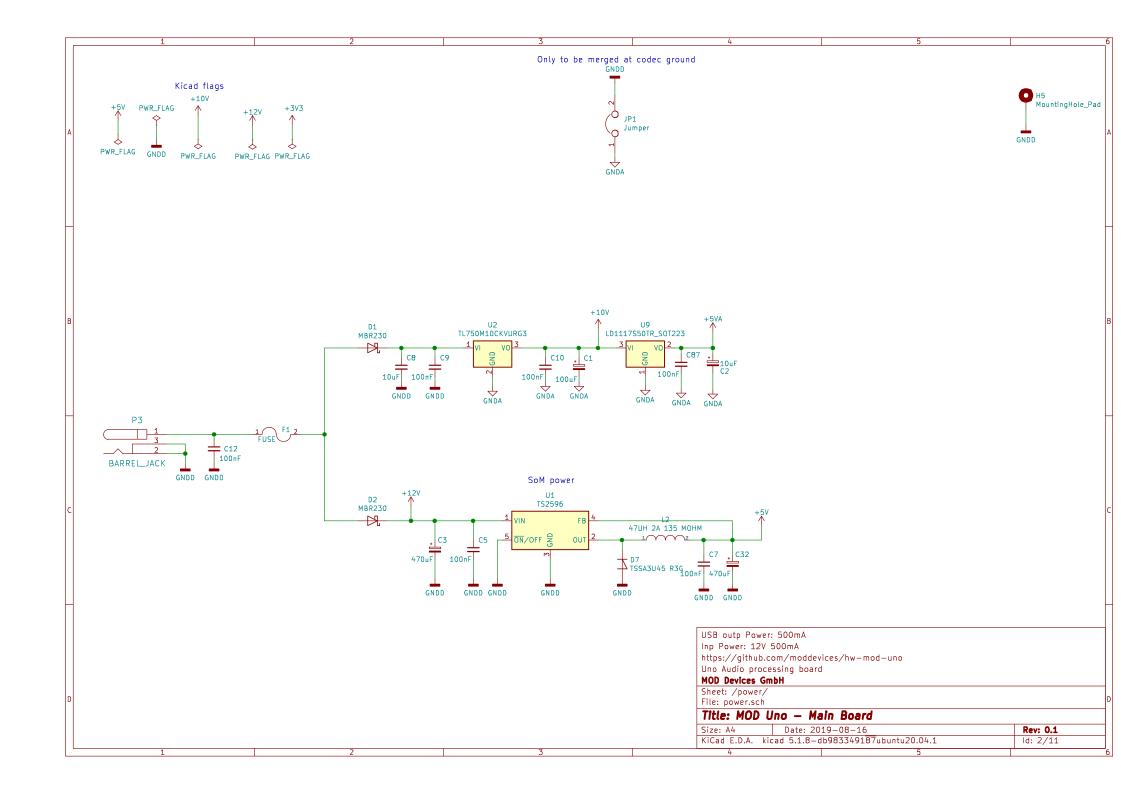
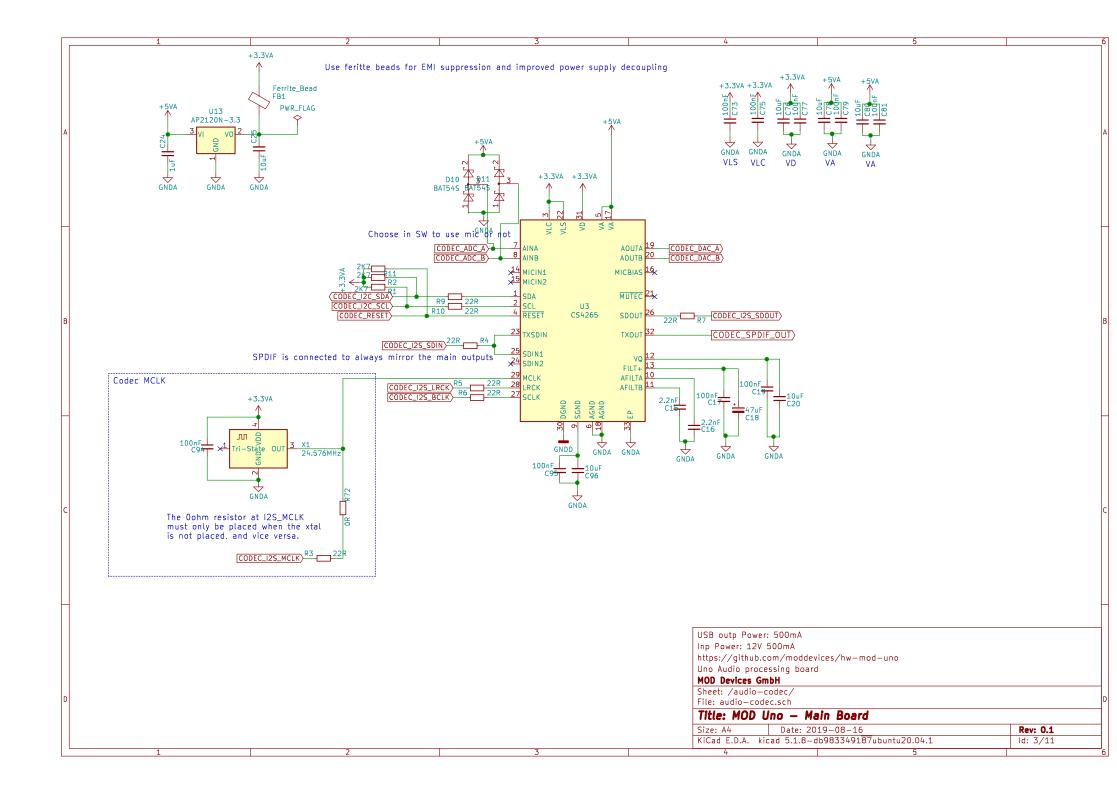
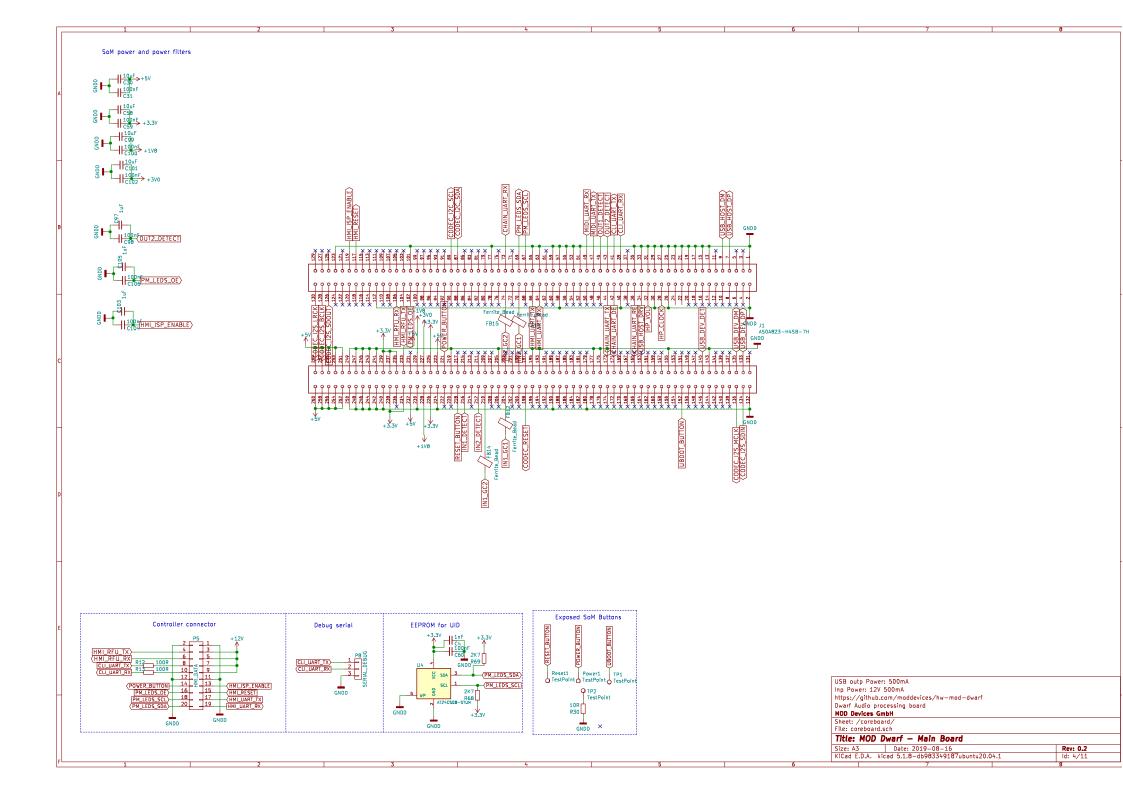
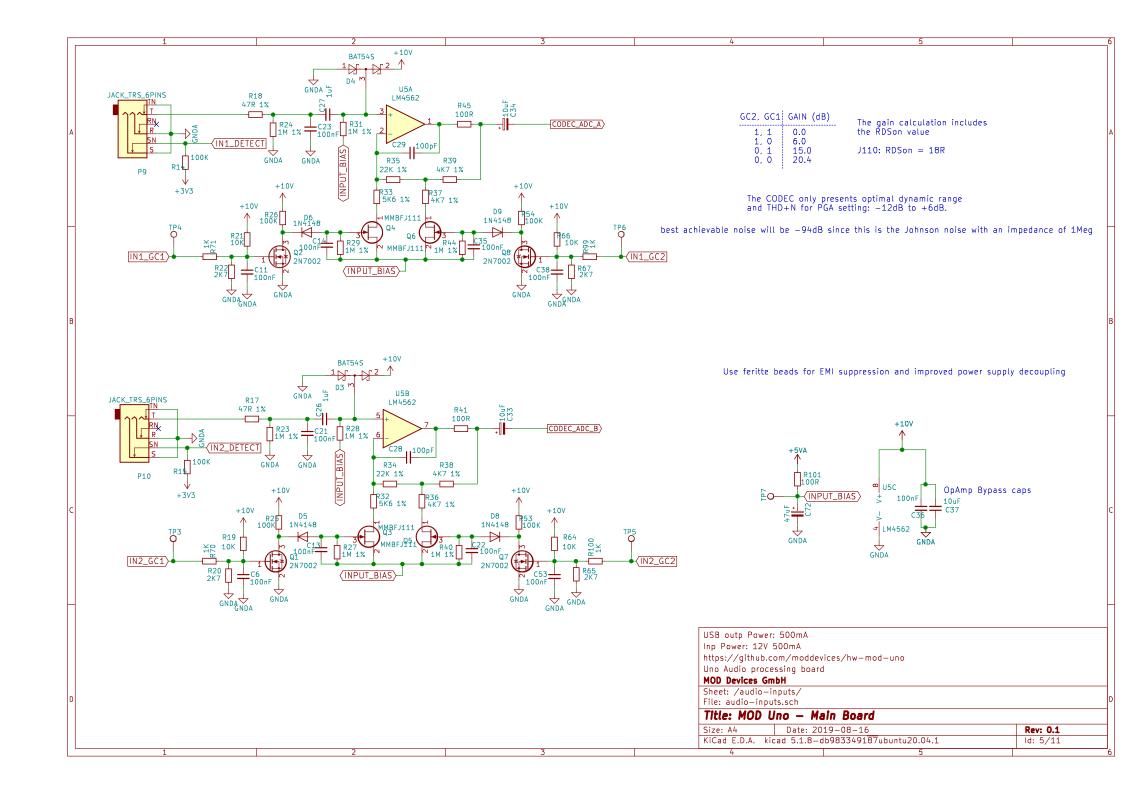
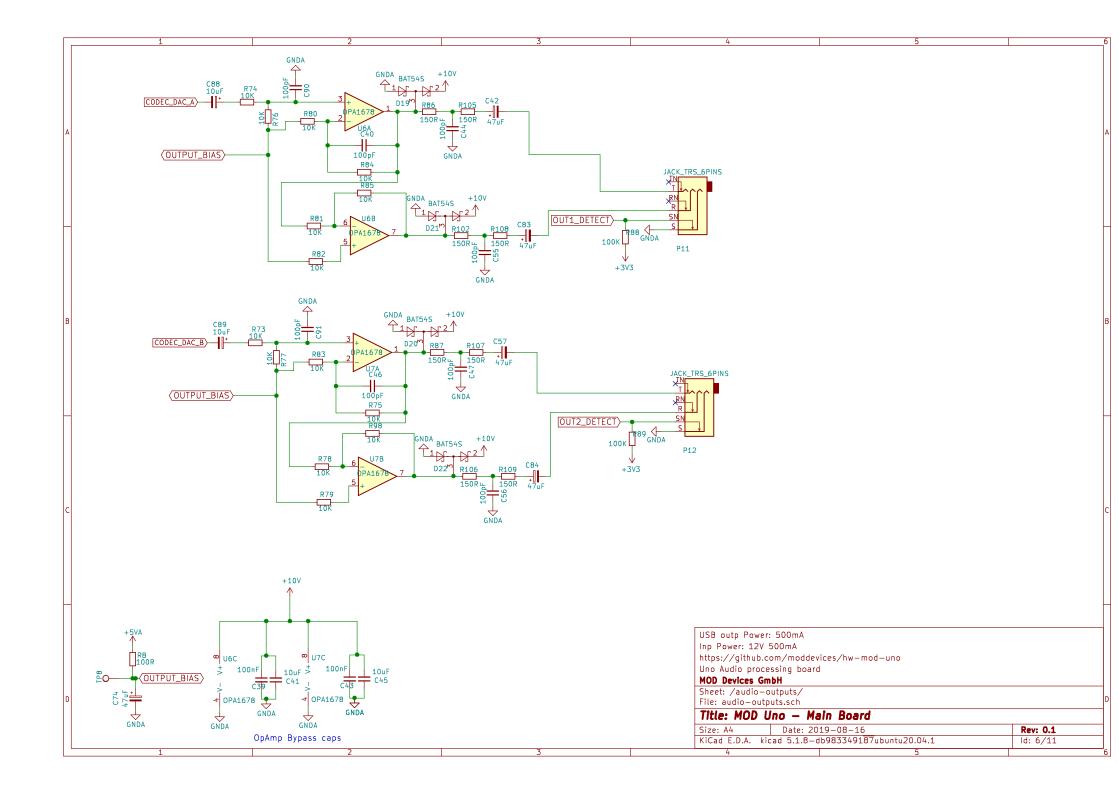
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Sheet: power	Sheet: audio-codec	Sheet: usb			
Sheet. power	Sheet, audio-couec	Sheet. dsb			
File: power.sch	File: audio-codec.sch	File: usb.sch			
Sheet: coreboard	Sheet: audio-inputs	Sheet: midi			
File: coreboard.sch	File: audio—inputs.sch	File: midi.sch			
Sheet: mechanics	Sheet: audio-outputs	Sheet: control—chain			
		File: control—chain.sch			
File: mechanics.sch	File: audio-outputs.sch				
	Sheet: headphone				
	File: Headphone.sch				
Notes					
- All resistors named a	s RA* must have 1% tolerance				
 All non-polarized car 	pacitors named as CA* must use NPO Temp	. Coef.			
 All other non-polariz 	ed capacitors should use X7R Temp. Coef. be placed as close as possible of the IC				
- Decoupting caps mus	. De placed as close as possible of the ic	power pins			
		USB outp Pow Inp Power: 12'	er: 500mA V 500mA		
		https://github	o.com/moddevices/hw-mod-dwarf		
		Dwarf Audio p MOD Devices (rocessing board GmbH		
		Sheet: /			
		File: bottom-t	board.sch Dwarf - Main Board		
		Size: A4	Date: 2019-12-18	Rev: 0.2	
			kicad 5.1.8-db983349187ubuntu20.04.1	ld: 1/11	
1	7 3	4	5		

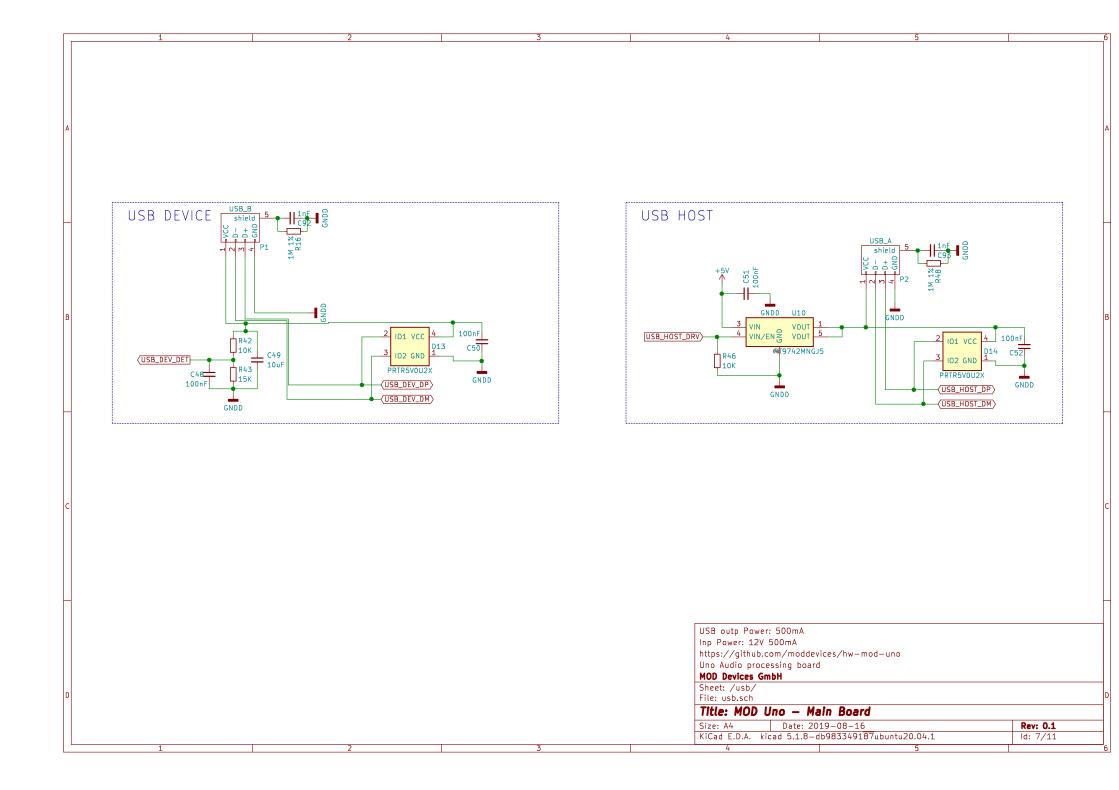


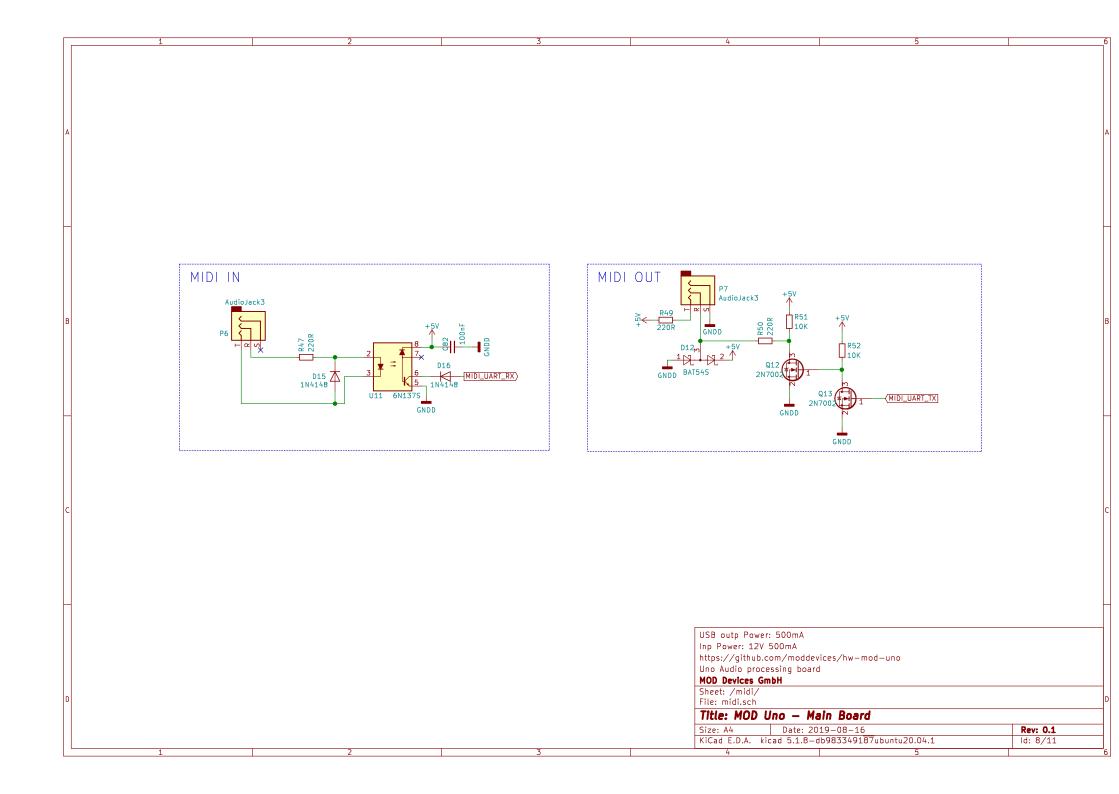


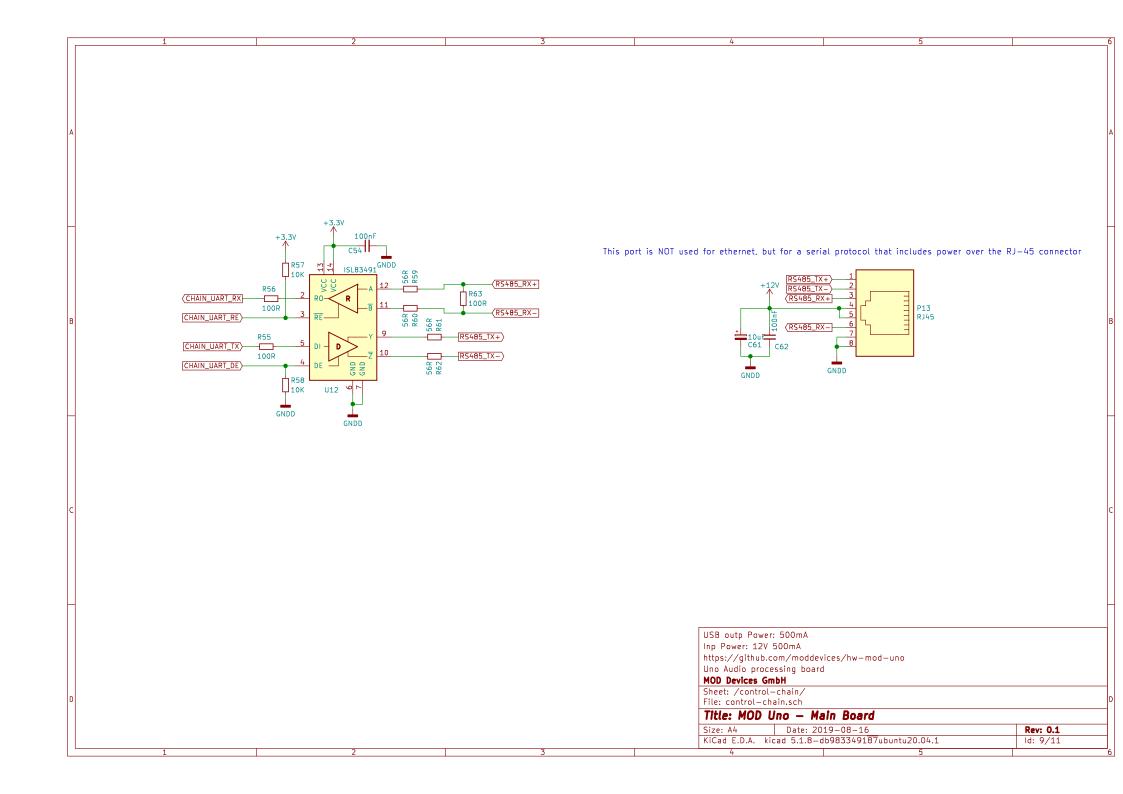


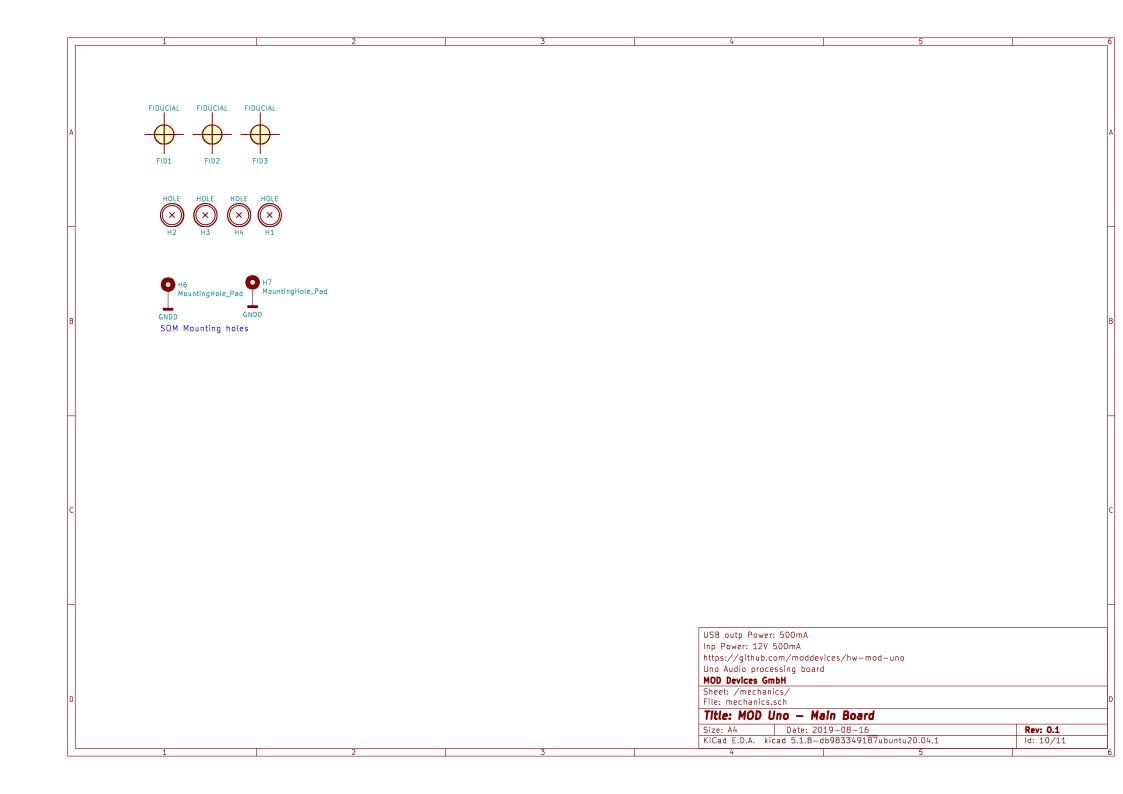












LM4811 has adjustable gain of -33dB to +12dB, this is applied to the main out signal Minimal load of 16 ohm with 0.1% THD+N Max power 105mW GNDA BAT54S +5VA GNDA D17 C67 CODEC_DAC_A MMBFJ#13 10uF R91 1% GNDA R93 56K AudioJack3 VIN1 085 10 100nF GNDA LM4811 VIN2 VOUT2 C71 7 SHDN 6 UP/DN BYPASS CLOCK Q9 MMBFJ±11 | T100n CODEC_DAC_B> 10uF R90 3(GNDA GNDA BAT54S GNDA GNDA GNDA Sheet: /headphone/ File: Headphone.sch Title: Size: A4 Date: Rev: KiCad E.D.A. kicad 5.1.8-db983349187ubuntu20.04.1 ld: 11/11