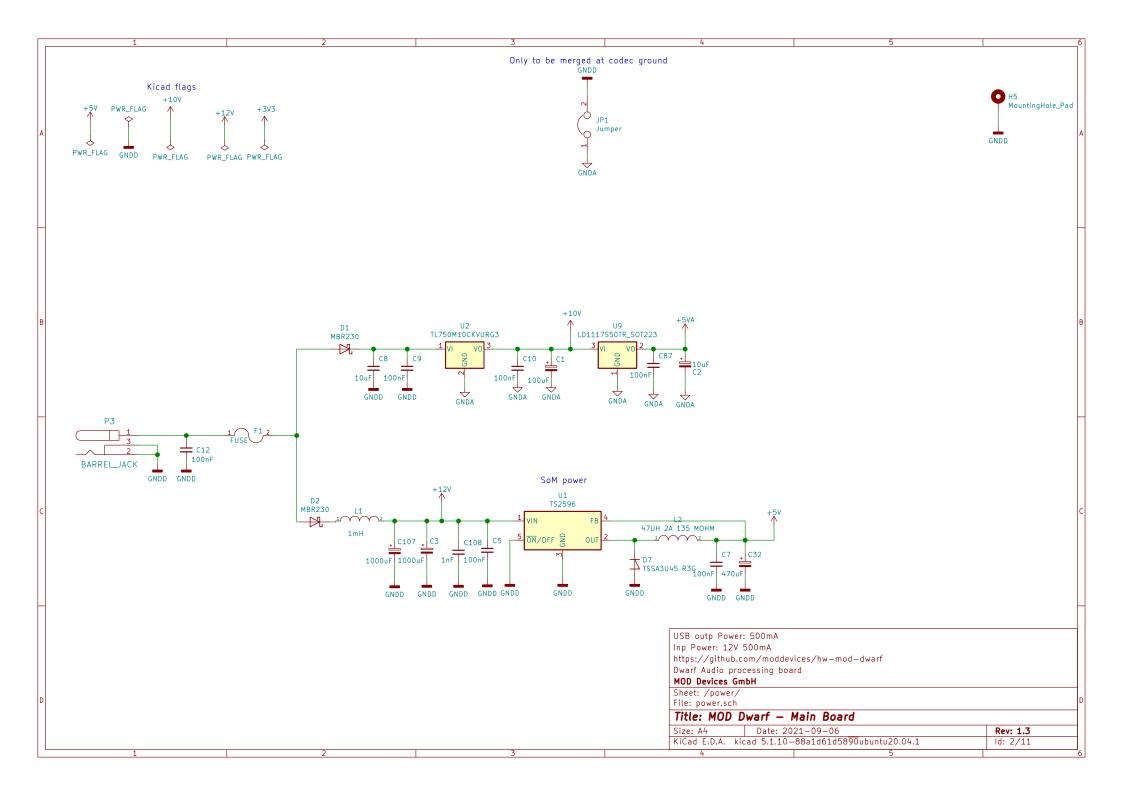
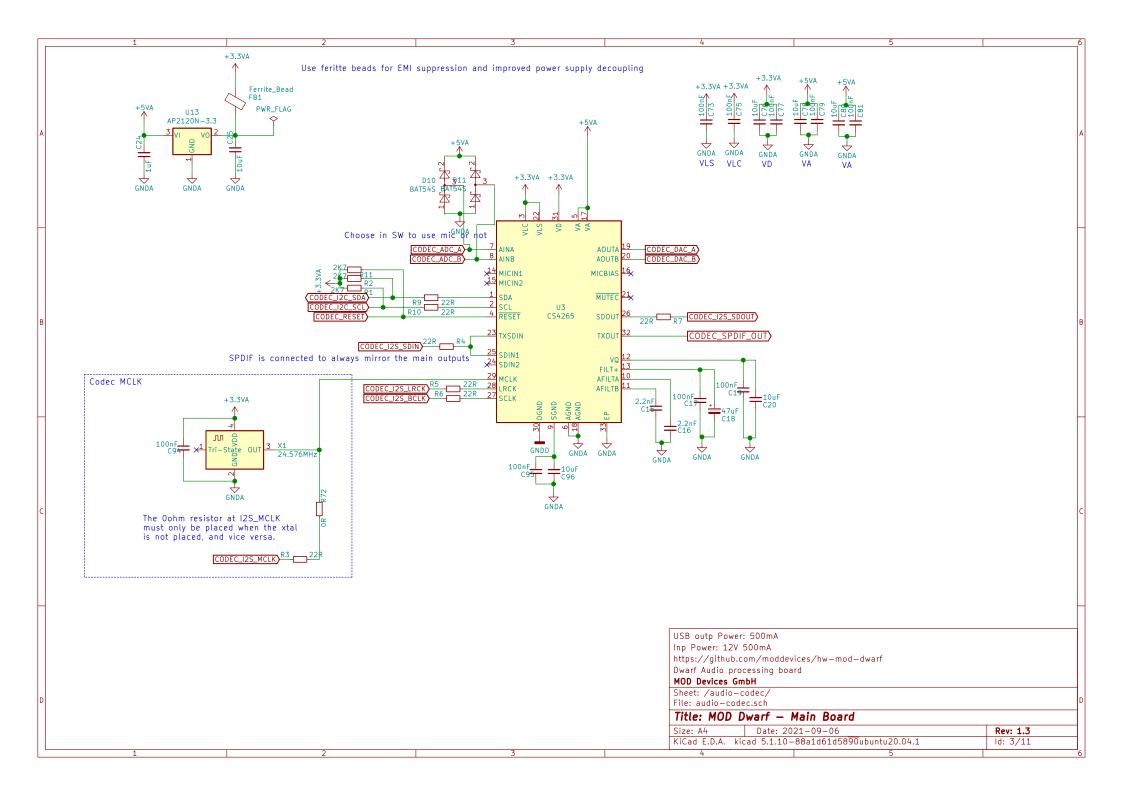
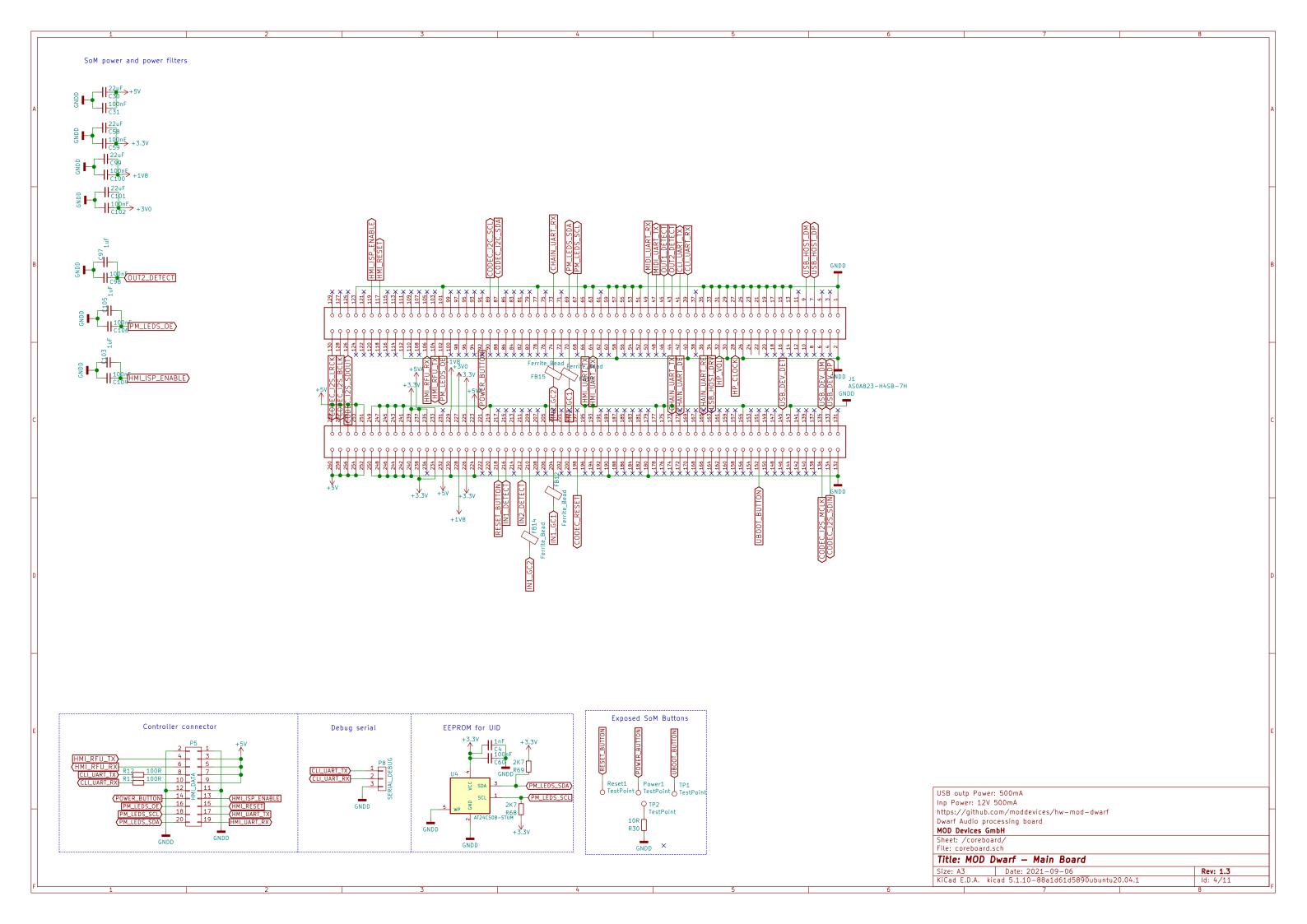
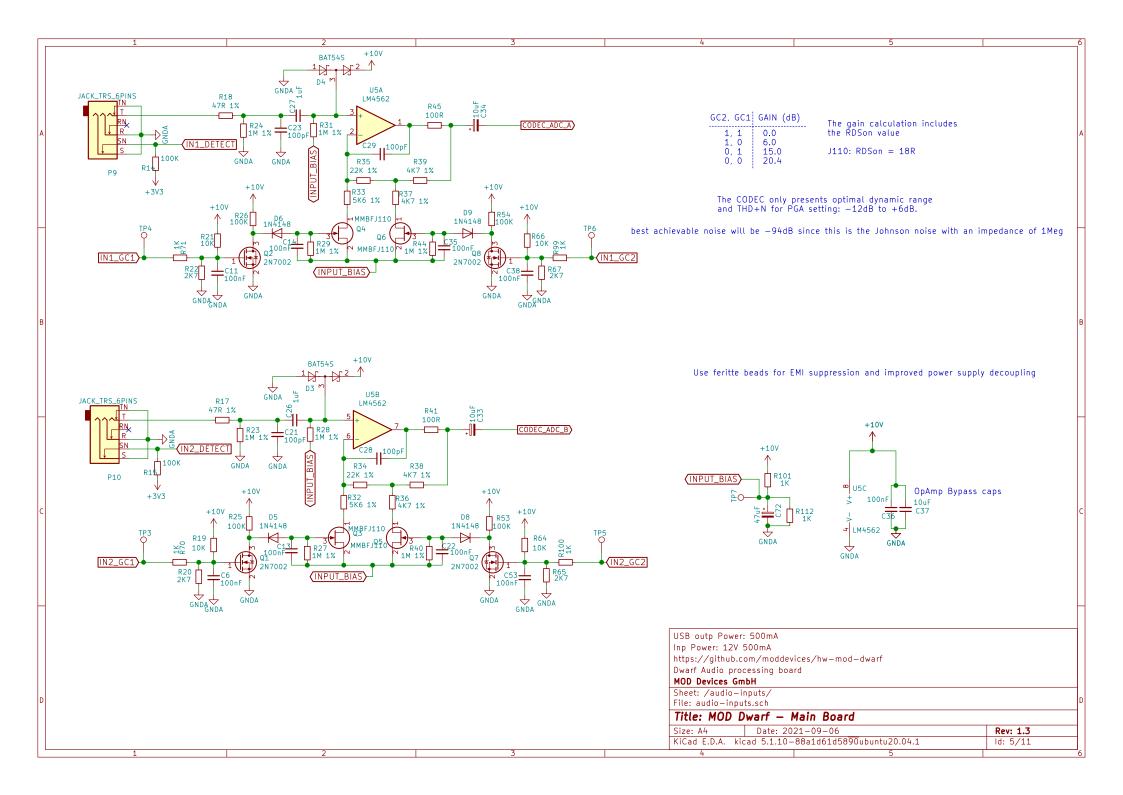
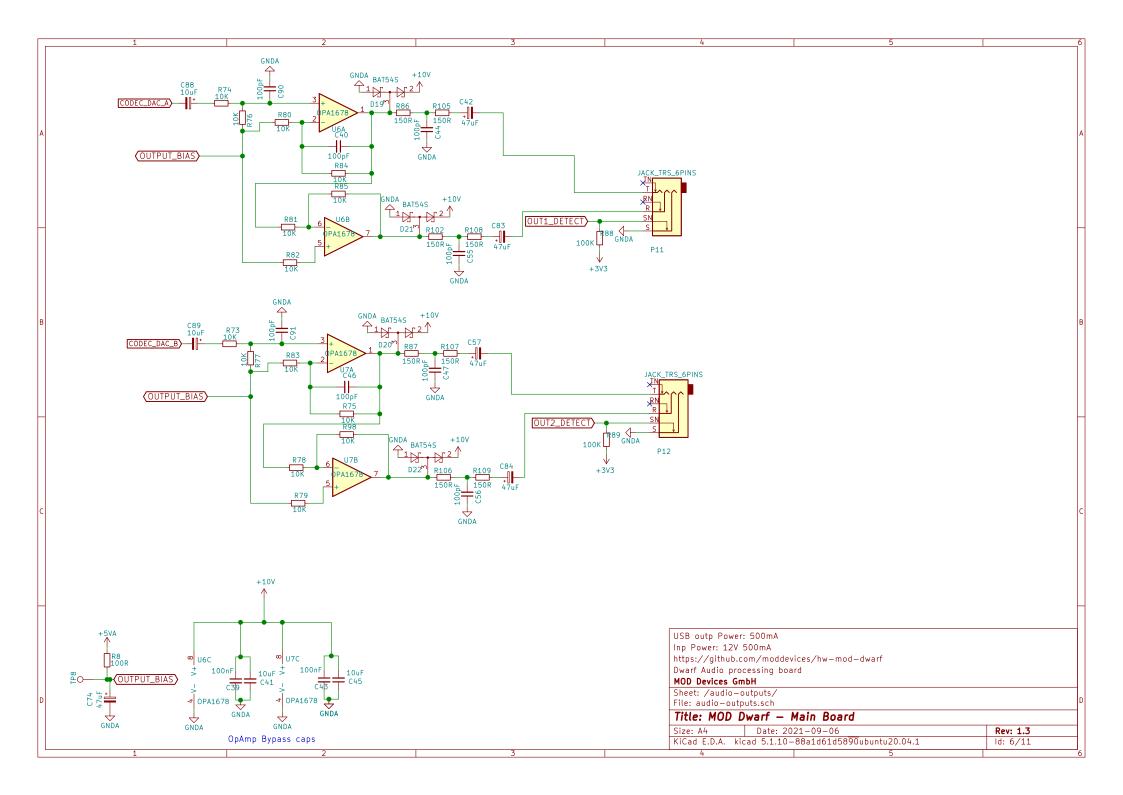
		7		
	1 2	5	4 5	
	Sheet: power	Sheet: audio-codec	eet: usb	
۵	File: power.sch	File: audio-codec.sch	e: usb.sch	
	Sheet: coreboard	Sheet: audio-inputs	eet: midi	
	File: coreboard.sch	File: audio-inputs.sch	e: midi.sch	
	Sheet: mechanics	Sheet: audio-outputs	eet: control—chain	
	File: mechanics.sch	File: audio-outputs.sch	e: control-chain.sch	
	The inconditions of	Sheet: headphone	e. contot chamben	
R				
		File: Headphone.sch		,
	N.L.			
	Notes — All resistors named as RA* must I	mave 1% tolerance		
	 All non-polarized capacitors nam All other non-polarized capacitors 	ed as CA* must use NPO Temp. Coef. s should use X7R Temp. Coef.		
	— Decoupling caps must be placed a	as close as possible of the IC power pir		
<u> </u>				
			USB outp Power: 500mA	
			Inp Power: 12V 500mA https://github.com/moddevices/hw-mod-dwarf	
			Dwarf Audio processing board MOD Devices GmbH Sheet: /	
			File: bottom-board.sch Title: MOD Dwarf - Main Board	
			Size: A4 Date: 2021-09-06 KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu2	Rev: 1.3 0.04.1

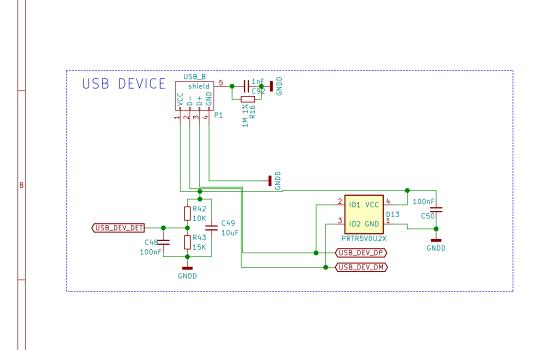


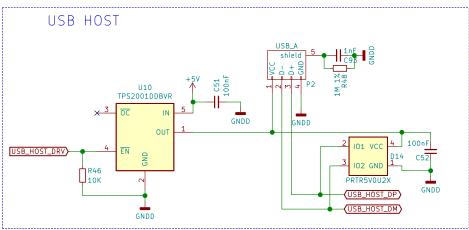












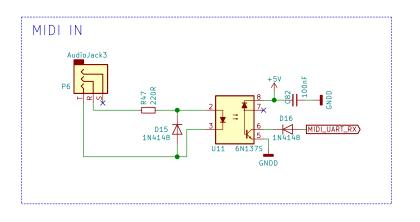
USB outp Power: 500mA Inp Power: 12V 500mA https://github.com/moddevices/hw-mod-dwarf

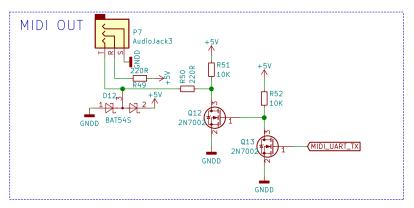
Dwarf Audio processing board

MOD Devices GmbH

Sheet: /usb/ File: usb.sch

THE PERSON NAMED OF THE PERSON					
Size: A4	Date: 20.	21-09-06		Rev: 1.3	
KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu20.04.1				ld: 7/11	





USB outp Power: 500mA Inp Power: 12V 500mA

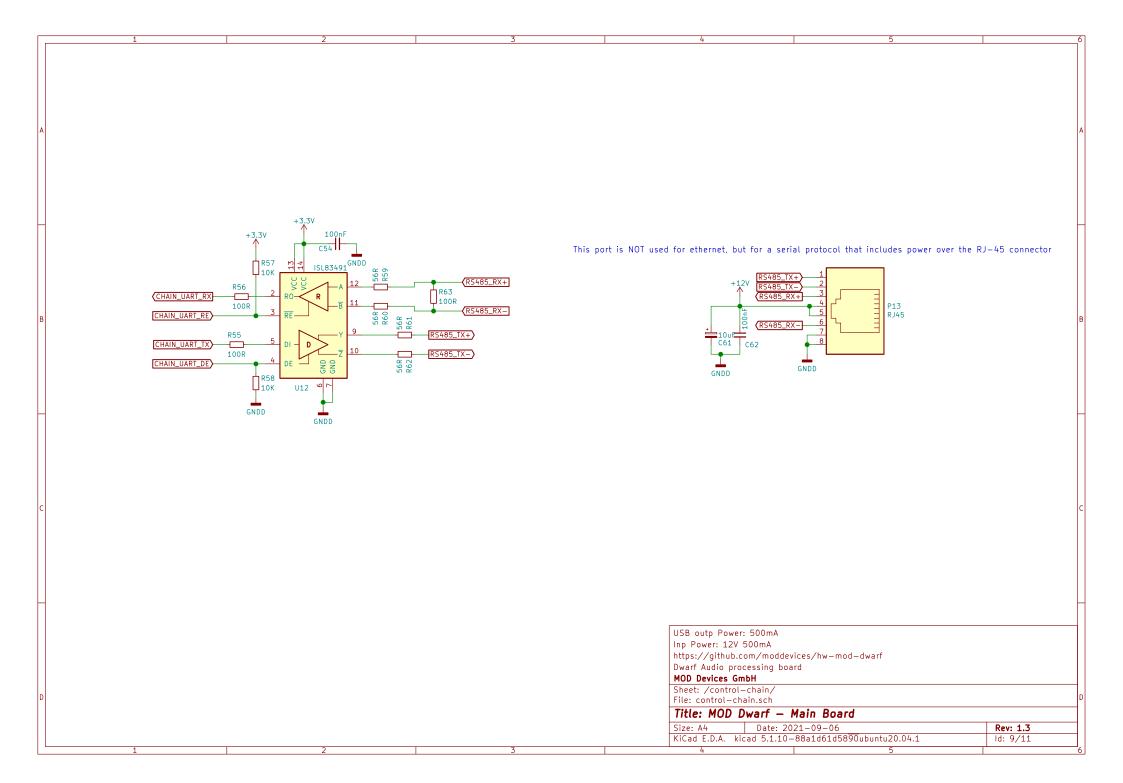
https://github.com/moddevices/hw-mod-dwarf

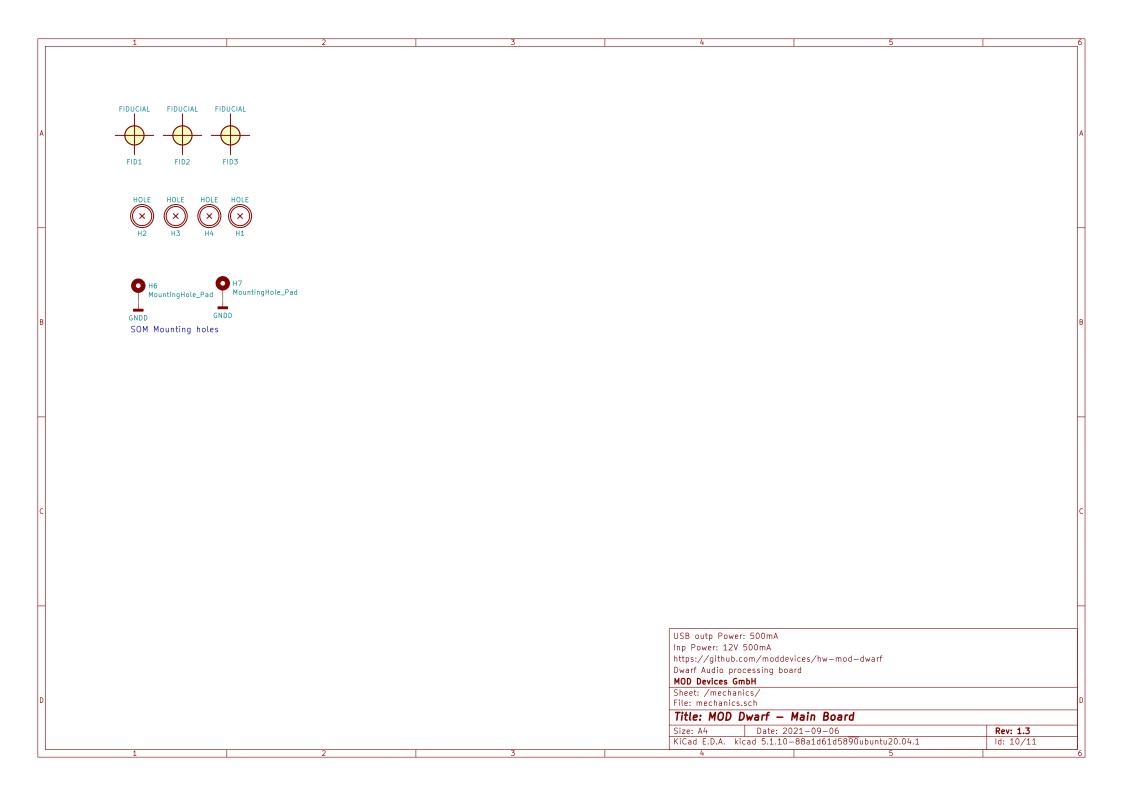
Dwarf Audio processing board MOD Devices GmbH

Sheet: /midi/ File: midi.sch

Title	MOD	Dwarf -	Main	Roard

Size: A4	Size: A4 Date: 2021-09-06			
KiCad E.D.A.	kicad 5.1.10-	-88a1d61d58 90 ubuntu20.04.1		ld: 8/11
- /1		5	$\overline{}$	•





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_B 10uF GNDA VOUT1 AudioJack3 /IN1 GNDA LM4811 VIN2 VOUT2 SHDN UP/DN BYPASS с∟оск⊇ CODEC_DAC_A 10uF GNDA BAT54S GNDA GNDA GNDA USB outp Power: 500mA Inp Power: 12V 500mA https://github.com/moddevices/hw-mod-dwarf Dwarf Audio processing board MOD Devices GmbH Sheet: /headphone/ File: Headphone.sch Title: MOD Dwarf — Main Board Size: A4 Date: 2021-09-06 Rev: 1.3 KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu20.04.1 ld: 11/11