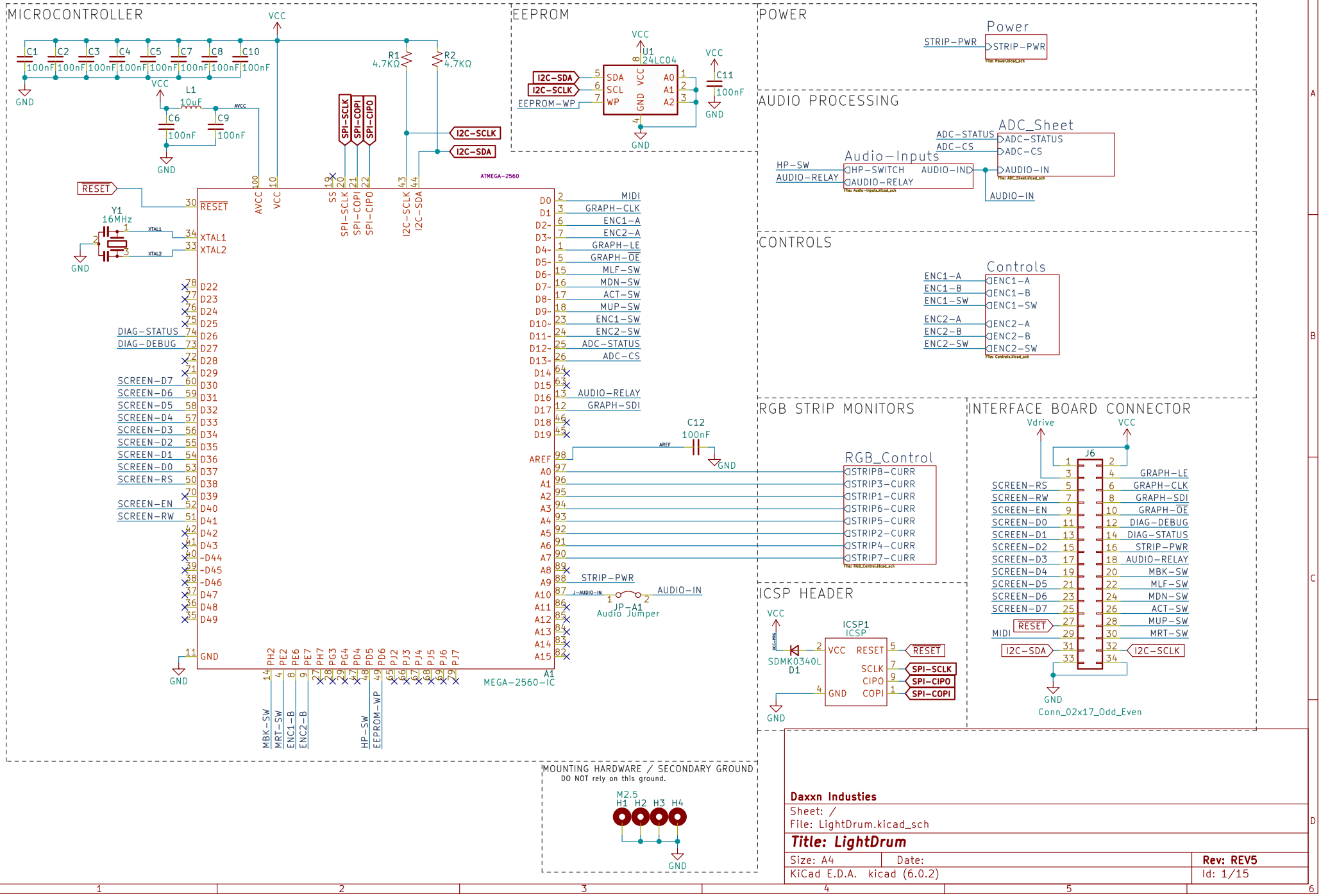
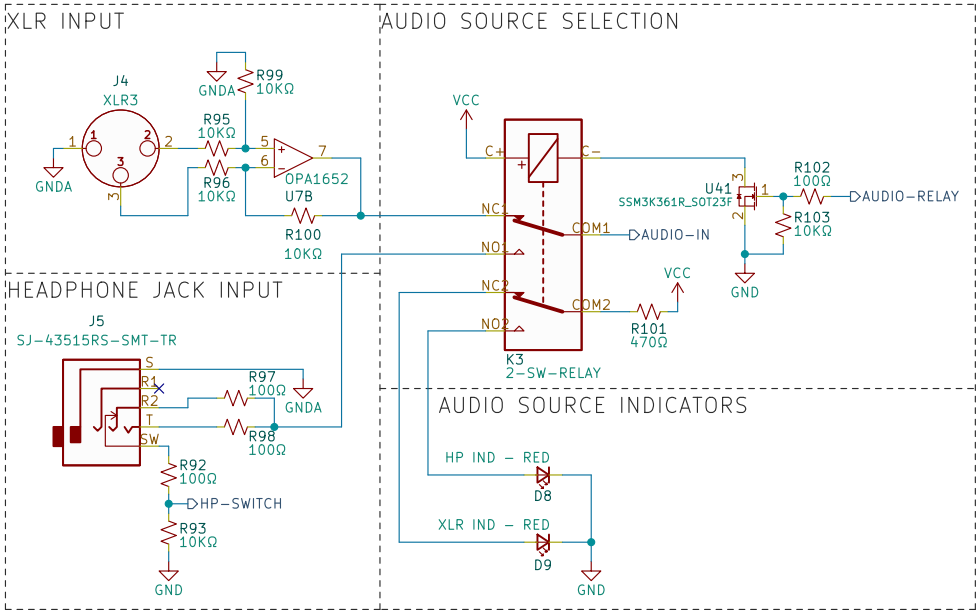
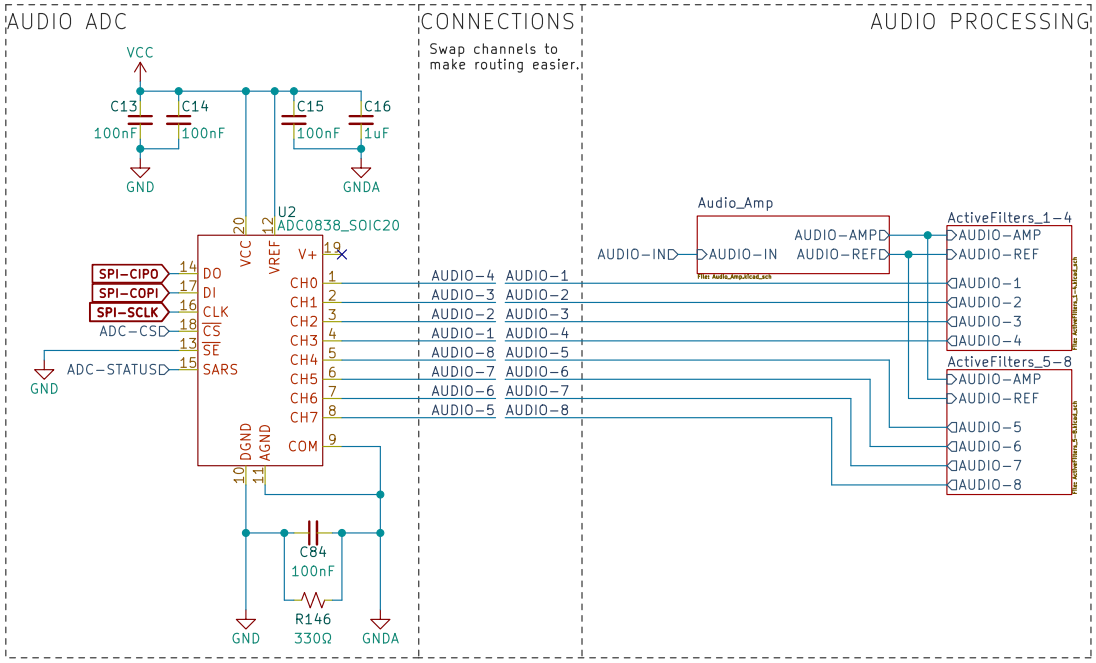

MICROCONTROLLER
EEPROM
POWER
AUDIO PROCESSING
CONTROLS
RGB STRIP MONITORS
INTERFACE BOARD CONNECTOR
ICSP HEADER
MOUNTING HARDWARE / SECONDARY GROUND
DO NOT rely on this ground.
ATMEGA-2560
MEGA-2560-IC
Power
ADC_Sheet
Audio-Inputs
Controls
RGB_Control
Audio Jumper
Conn_02x17_Odd_Even
Daxxn Industies
Sheet: /
File: LightDrum.kicad_sch
Title: LightDrum
Size: A4
Date:
Rev: REV5
KiCad E.D.A. kicad (6.0.2)
Id: 1/15



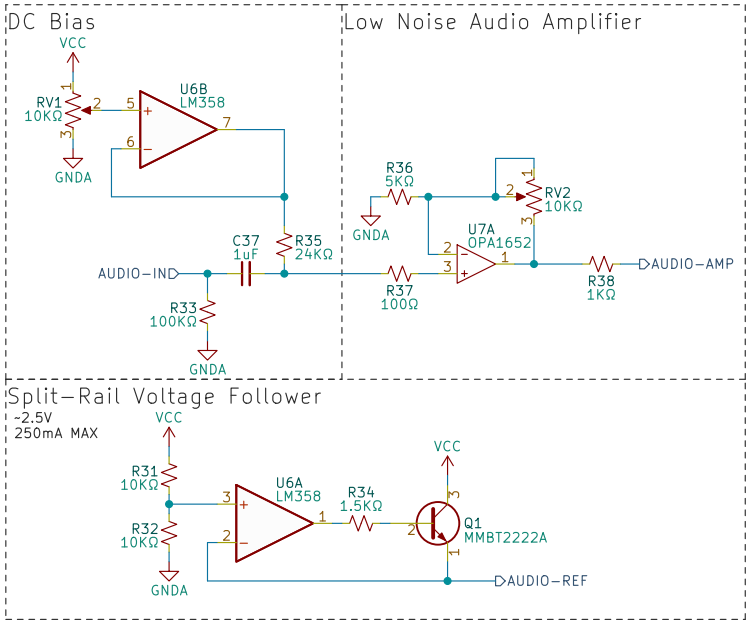
Sheet: /Audio−Inputs/		
File: Audio−Inputs.kicad_sch		
Title: Audio Inputs		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 2/15



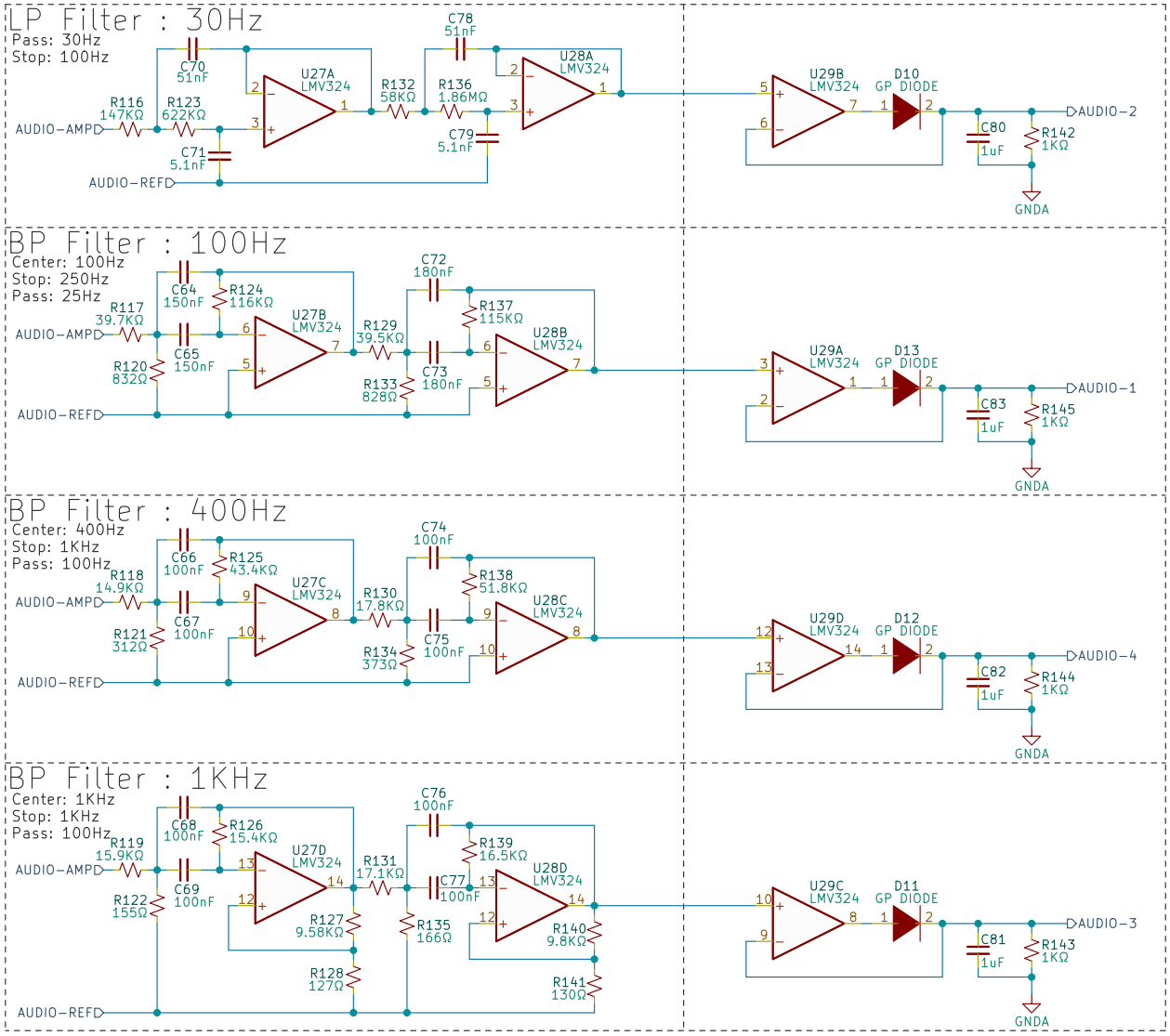
Sheet: /ADC_Sheet/
File: ADC_Sheet.kicad_sch

Title: ADC

Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 3/15



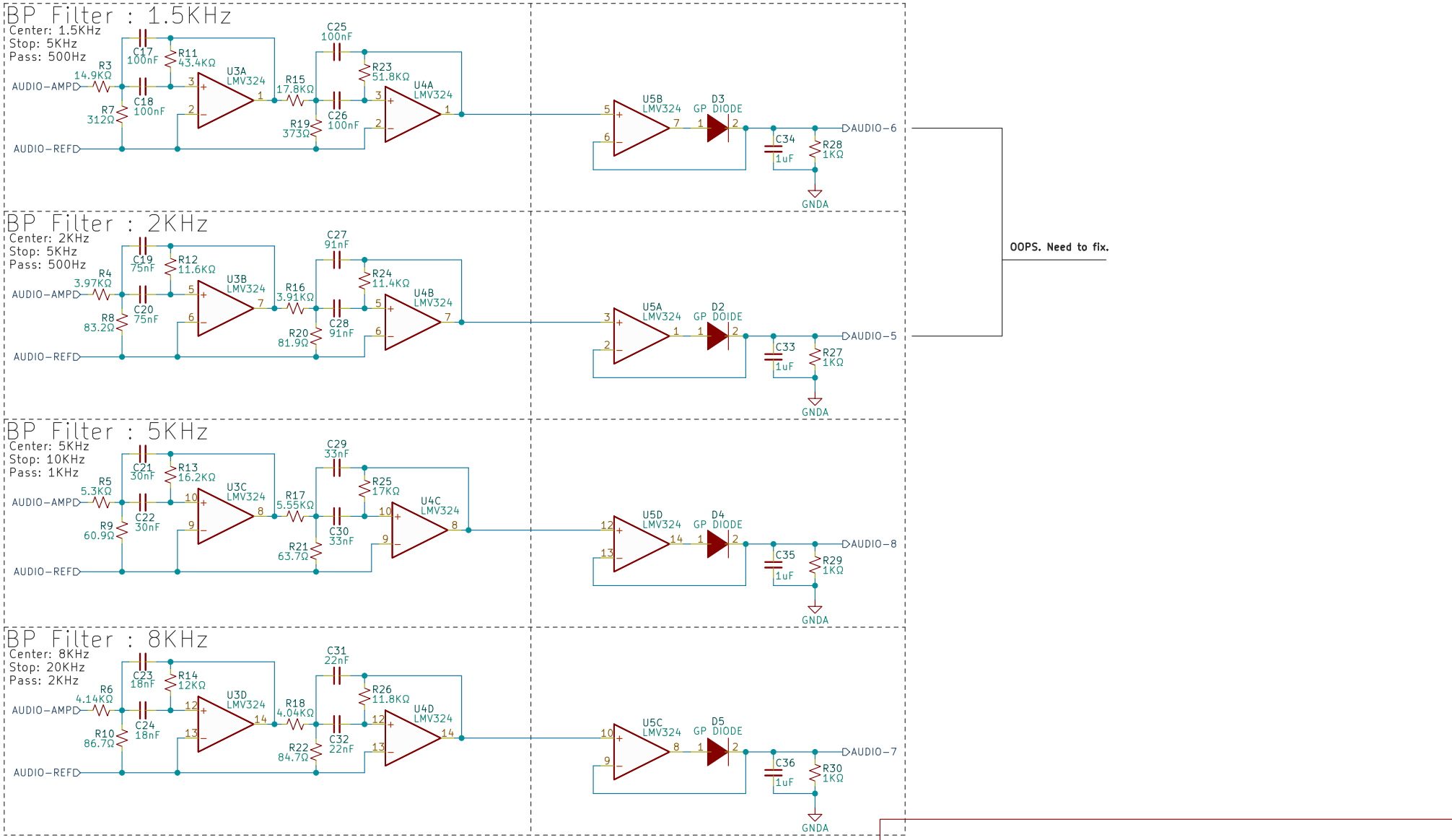
Sheet: /ADC_Sheet/Audio_Amp/		
File: Audio_Amp.kicad_sch		
Title: AUDIO AMPLIFIER AND BIASING		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 4/15



Sheet: /ADC_Sheet/ActiveFilters_1-4/
File: ActiveFilters_1-4.kicad_sch

Title: AUDIO FILTER CHANNELS 1 - 4

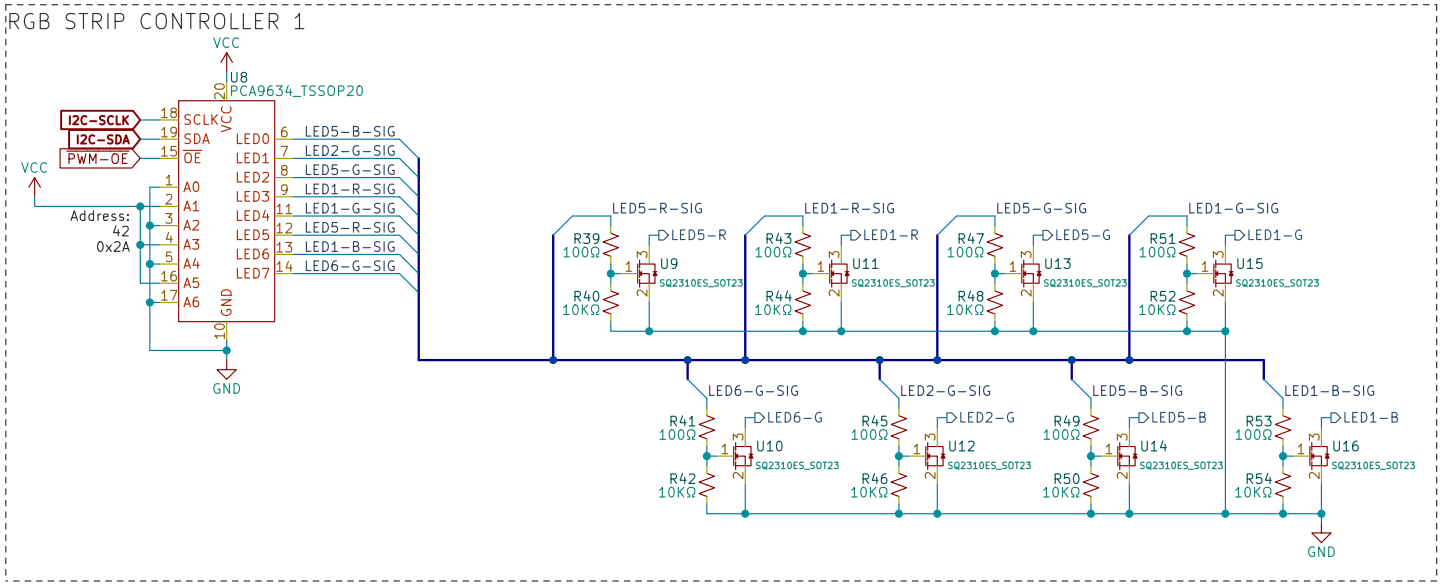
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 5/15



Sheet: /ADC_Sheet/ActiveFilters_5-8/
File: ActiveFilters_5-8.kicad_sch

Title: AUDIO FILTER CHANNELS 5 - 8

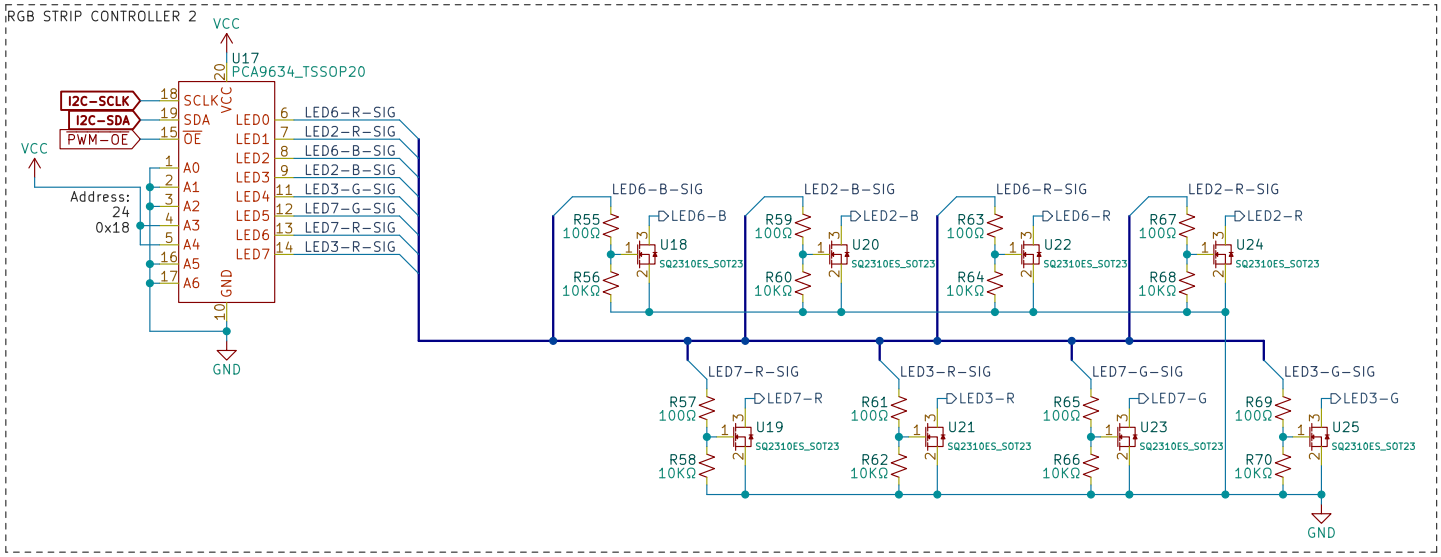
Size: A4	Date:	Rev: REV5
KiCad E.D.A. kicad (6.0.2)		Id: 6/15



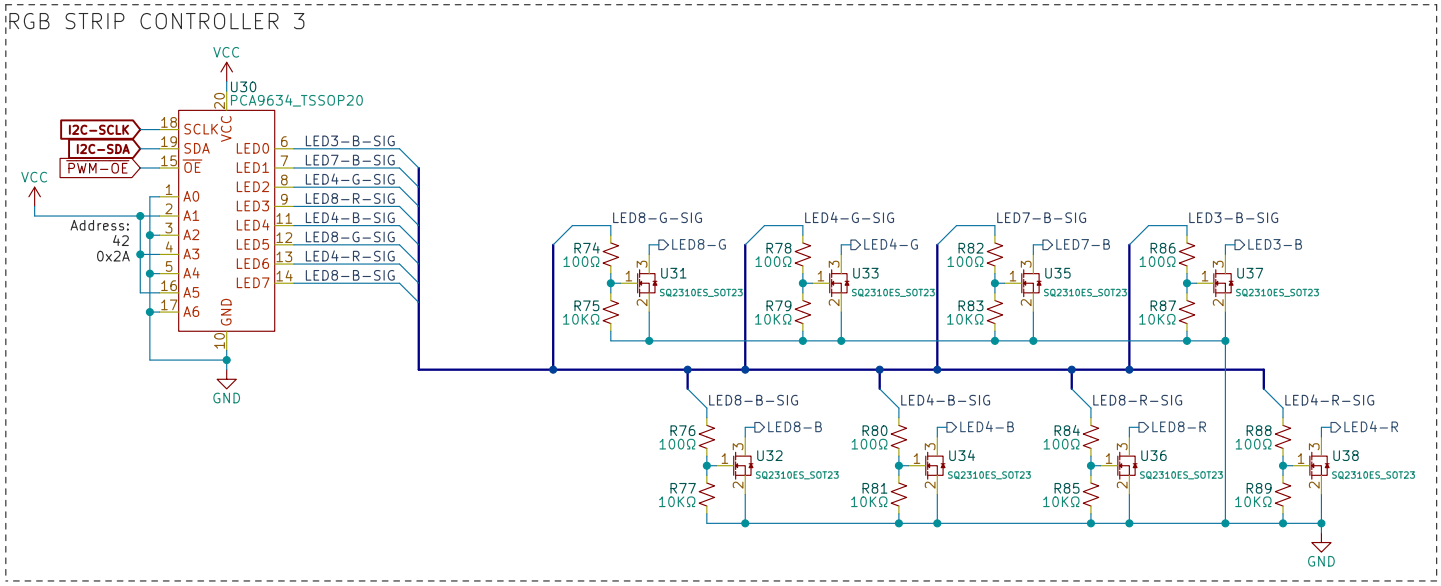
Sheet: /RGB_Control/RGB_Control-1/
File: RGB_Control-1.kicad_sch

Title: RGB STRIP CONTROLLER 1

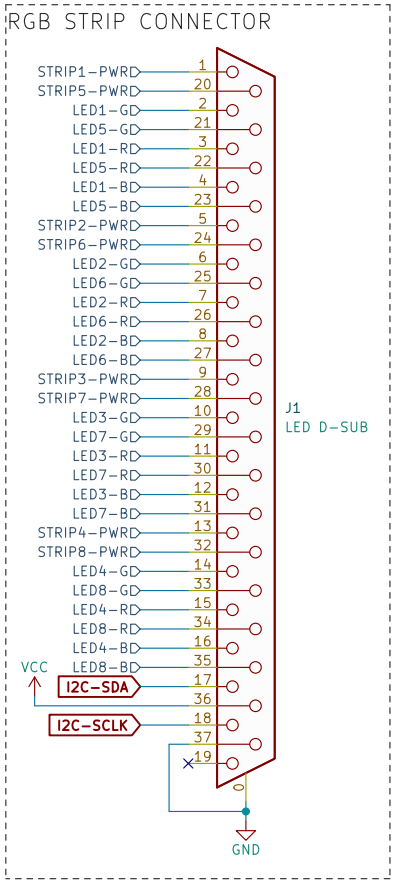
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 7/15



Sheet: /RGB_Control/RGB_Control-2/		
File: RGB_Control-2.kicad_sch		
Title: RGB STRIP CONTROLLER 2		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 8/15



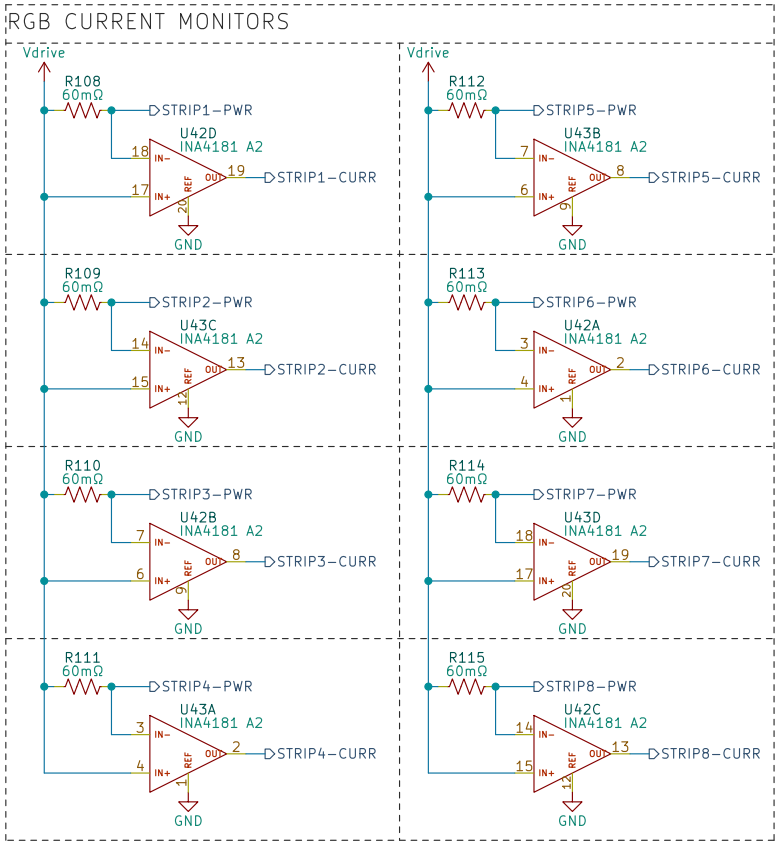
Sheet: /RGB_Control/RGB_Control-3/		
File: RGB_Control-3.kicad_sch		
Title: RGB STRIP CONTROLLER 3		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 9/15



Sheet: /RGB_Control/LED_Connector1/
File: LED_Connector.kicad_sch

Title: RGB STRIP CONNECTOR

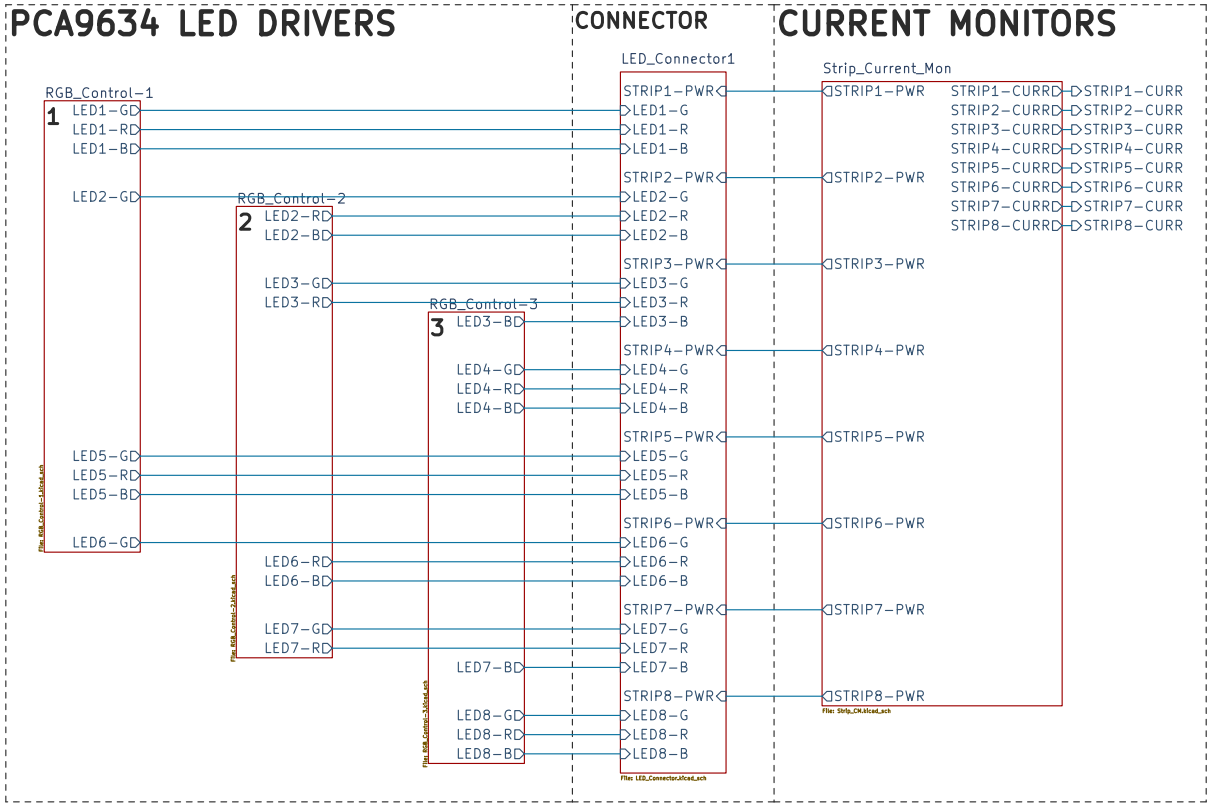
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 10/15



Sheet: /RGB_Control/Strip_Current_Mon/
File: Strip_CM.kicad_sch

Title: RGB CURRENT MONITORS

Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 11/15



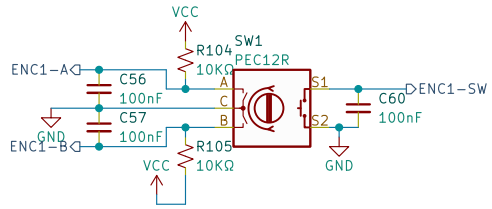
Sheet: /RGB_Control/
File: RGB_Control.kicad_sch

Title: RGB STRIP CONNECTOR

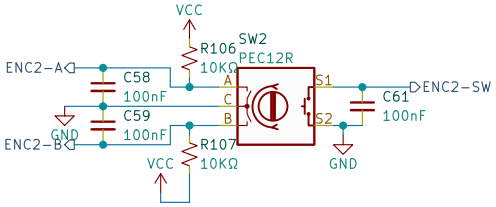
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 12/15

ROTARY ENCODERS

ENCODER 1



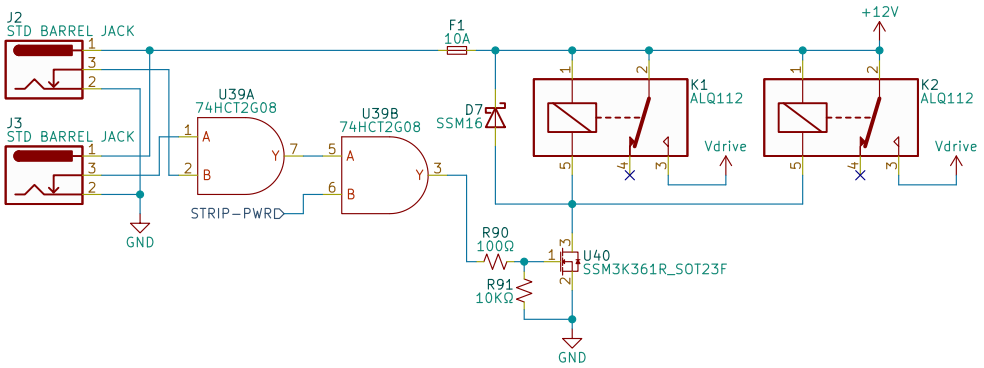
ENCODER 2



Sheet: /Controls/		
File: Controls.kicad_sch		
Title: CONTROLS		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 13/15

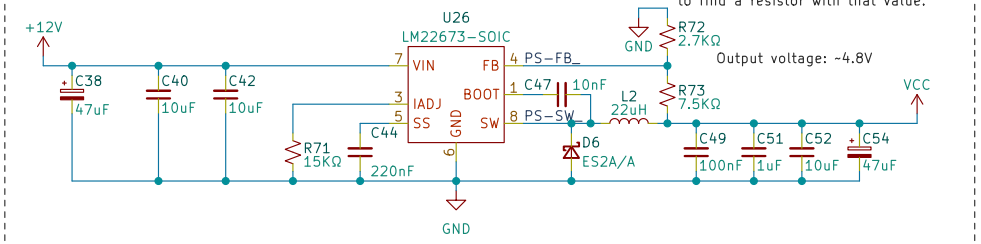
RGB STRIP POWER LOCKOUT

Due to the large current for the RGB strips, the load needs to be divided up between 2 barrel jacks. If only one is plugged in, it would probably melt. To prevent any melty firey and expensy issues, the RGB strips will not be powered unless both jacks are used AND the controller agrees.



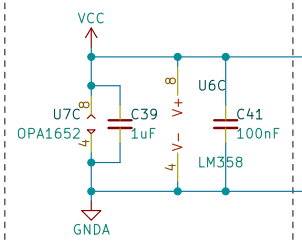
Sheet: /Power/LED_Power_Control/		
File: LED_Power_Control.kicad_sch		
Title: RGB STRIP POWER LOCKOUT		
Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 14/15

5V REGULATOR

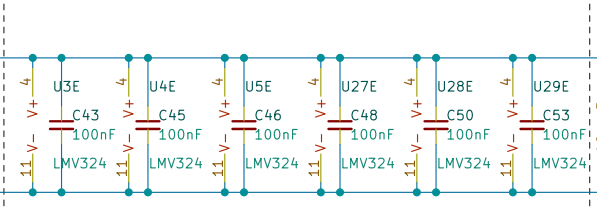


POWER PINS

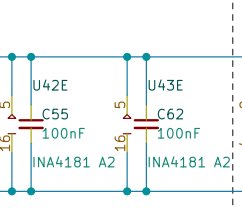
AUDIO AMP



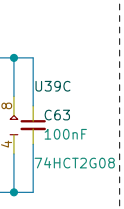
AUDIO FILTERS



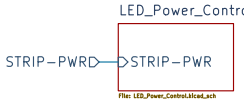
CURRENT MONITORS



PS LOCKOUT



LED STRIP POWER LOCKOUT



Sheet: /Power/
File: Power.kicad_sch

Title: POWER SUPPLY

Size: A4	Date:	**Rev: REV5**
KiCad E.D.A. kicad (6.0.2)		Id: 15/15