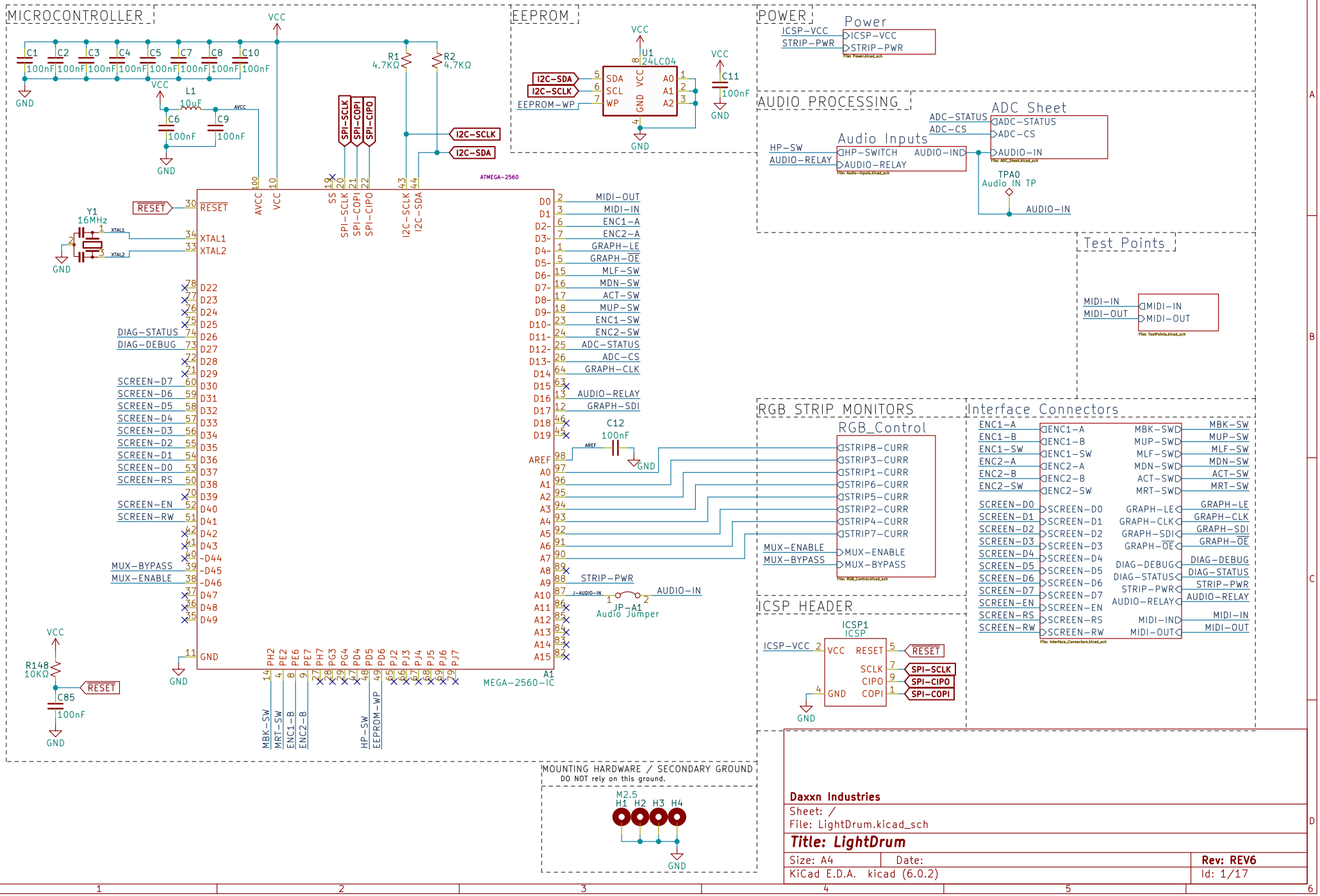
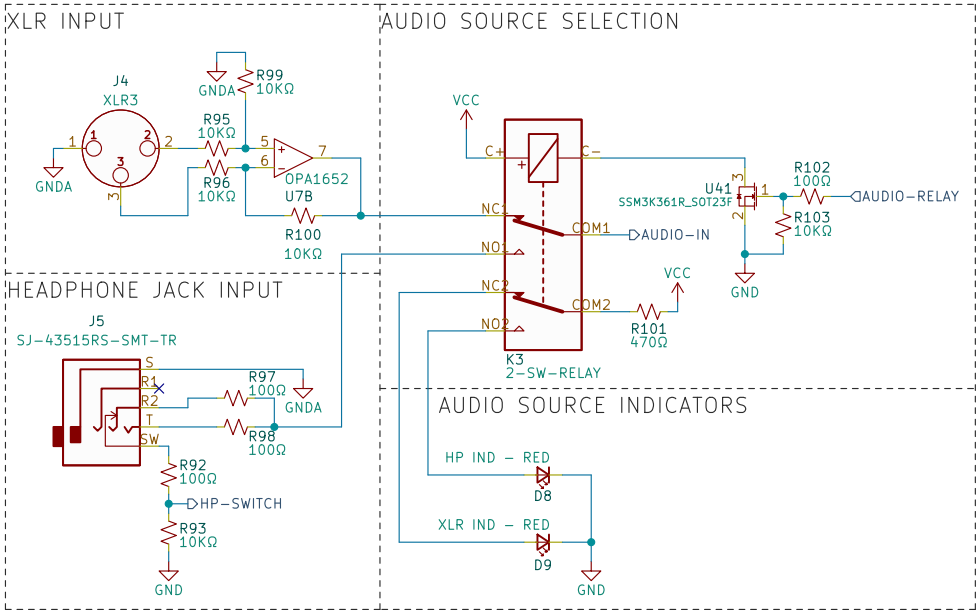

MICROCONTROLLER
EEPROM
POWER
AUDIO PROCESSING
Test Points
RGB STRIP MONITORS
Interface Connectors
ICSP HEADER
MOUNTING HARDWARE / SECONDARY GROUND
DO NOT rely on this ground.
ATMEGA-2560
MEGA-2560-IC
Power
ADC Sheet
Audio Inputs
TPA0
Audio IN TP
RGB_Control
Audio Jumper
Daxxn Industries
Sheet: /
File: LightDrum.kicad_sch
Title: LightDrum
Size: A4
Date:
Rev: REV6
KiCad E.D.A. kicad (6.0.2)
Id: 1/17

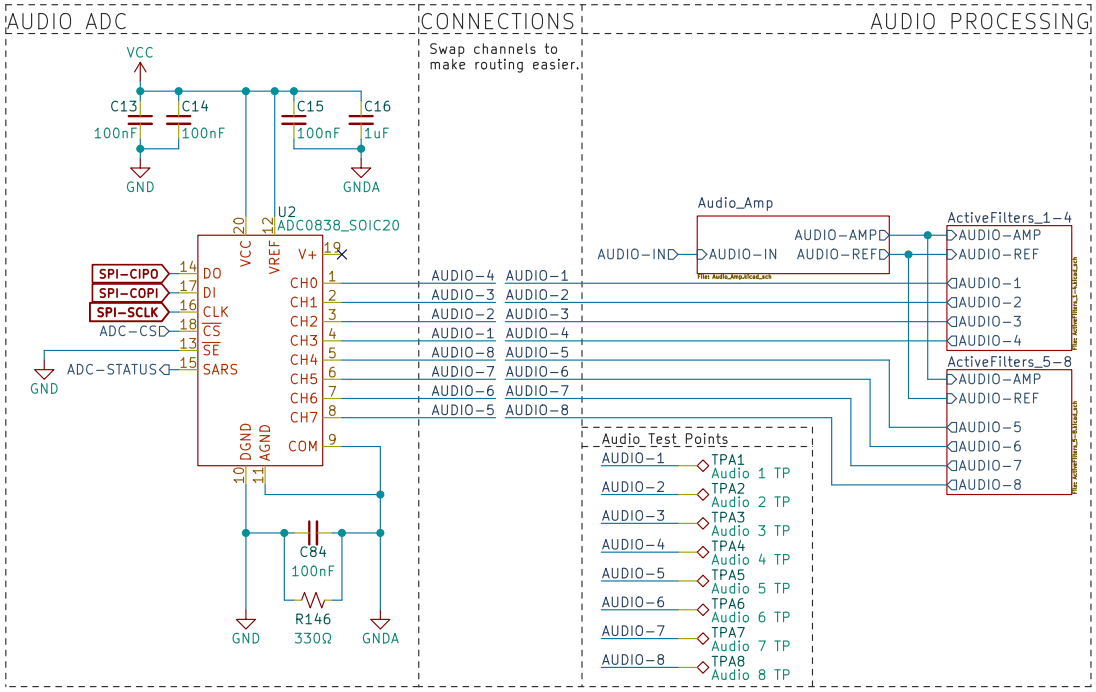


Daxxn Industries

Sheet: /Audio Inputs/
File: Audio-Inputs.kicad_sch

Title: Audio Inputs

Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 2/17

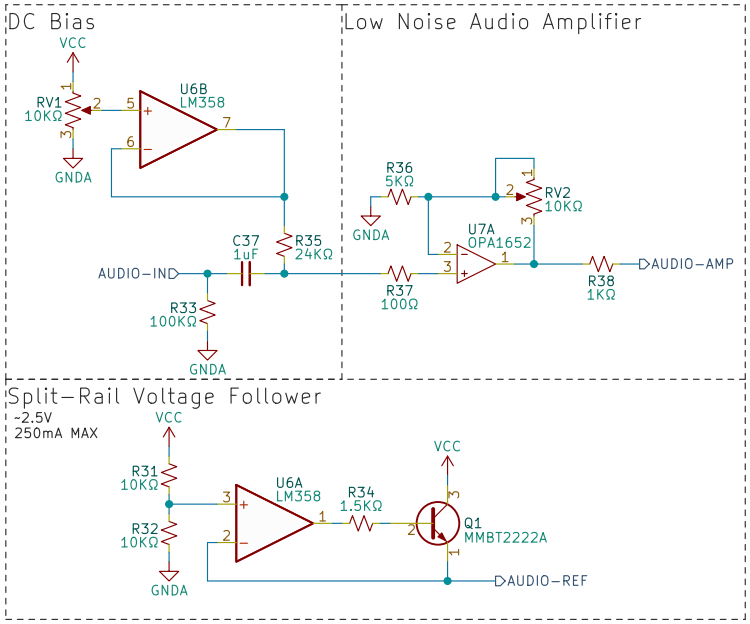


Daxxn Industries

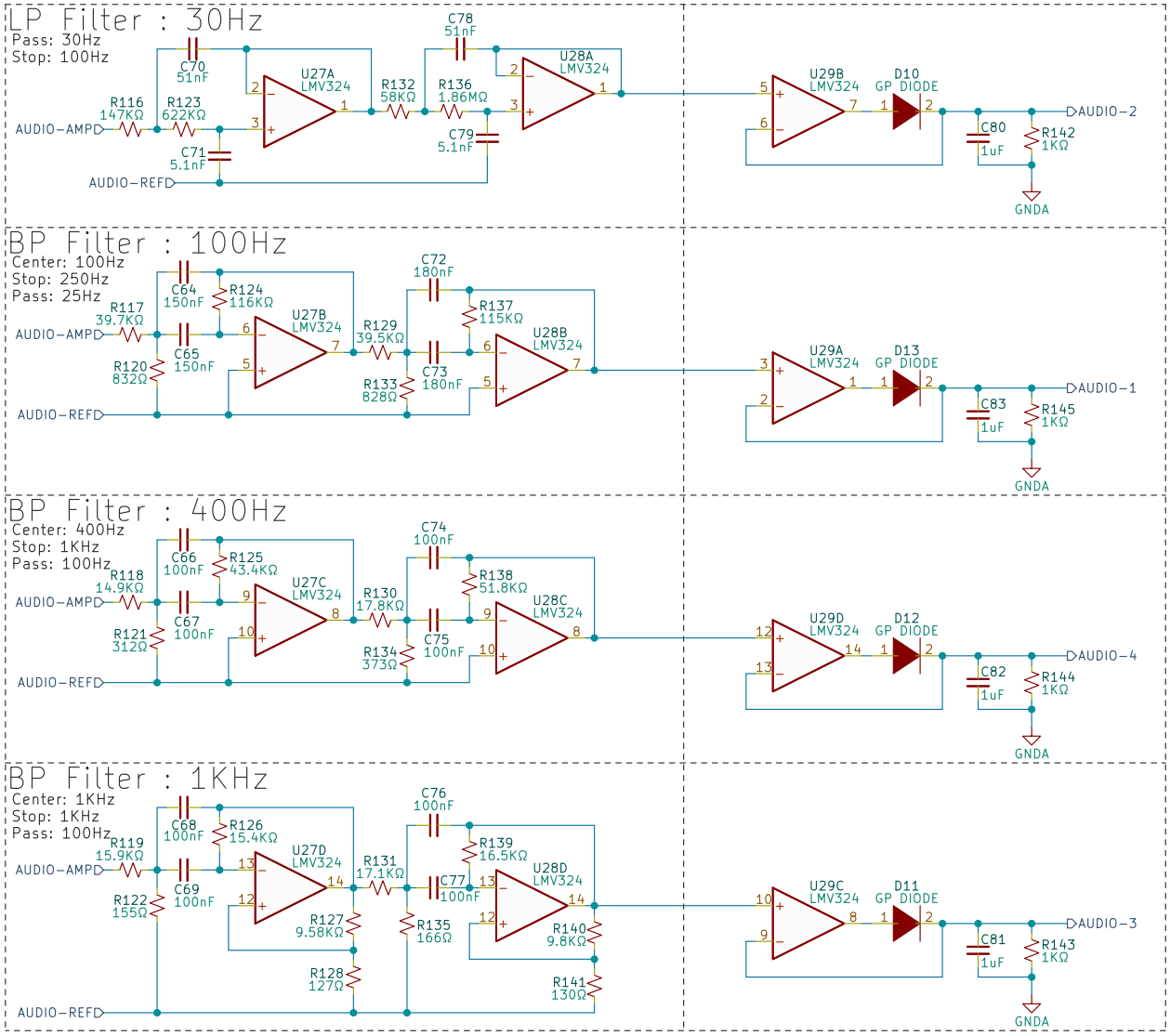
Sheet: /ADC Sheet/
File: ADC_Sheet.kicad_sch

Title: ADC

Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 3/17



Daxxn Industries		
Sheet: /ADC Sheet/Audio_Amp/		
File: Audio_Amp.kicad_sch		
Title: AUDIO AMPLIFIER AND BIASING		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 4/17



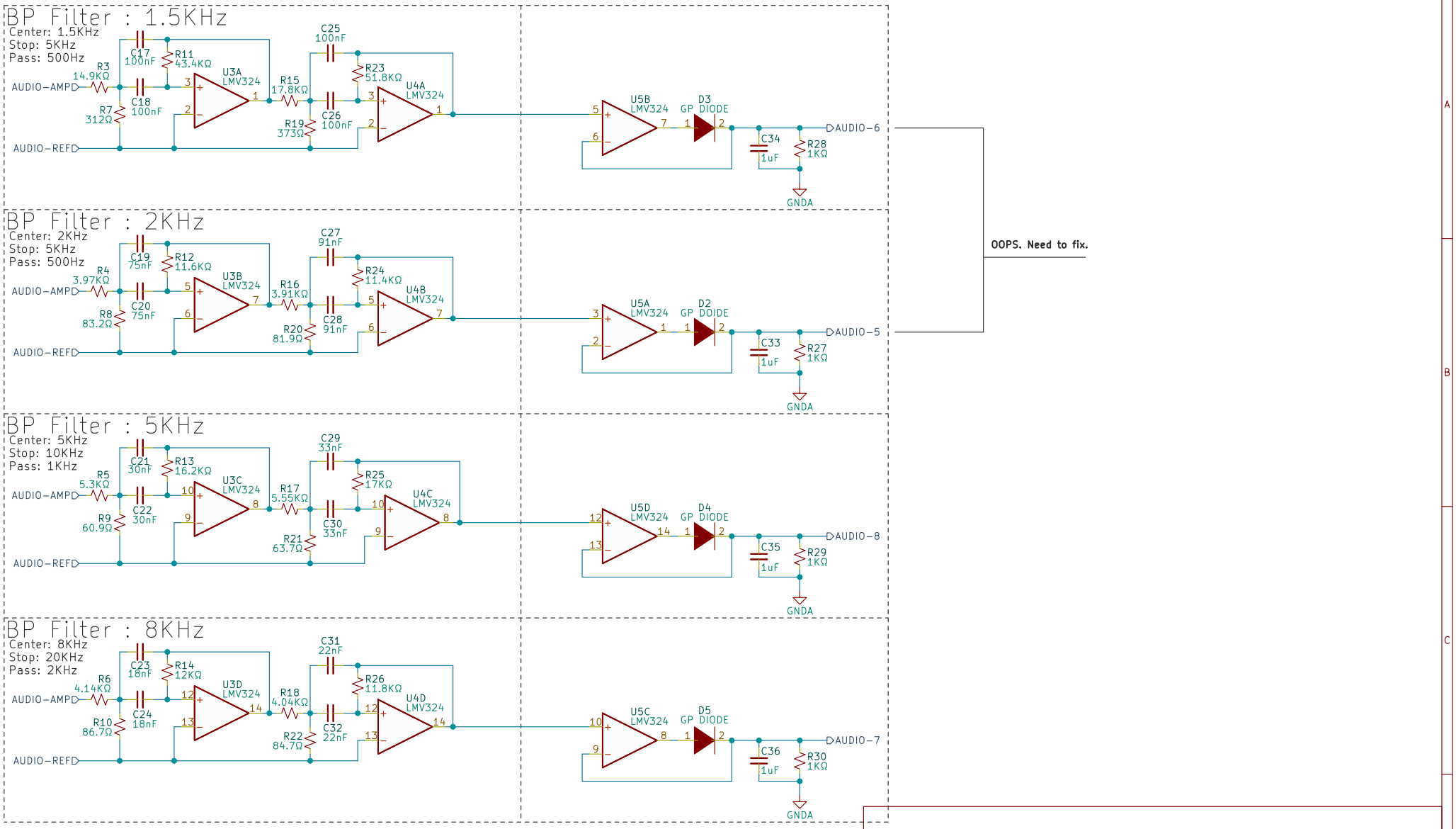
Daxxn Industries

Sheet: /ADC Sheet/ActiveFilters_1-4/

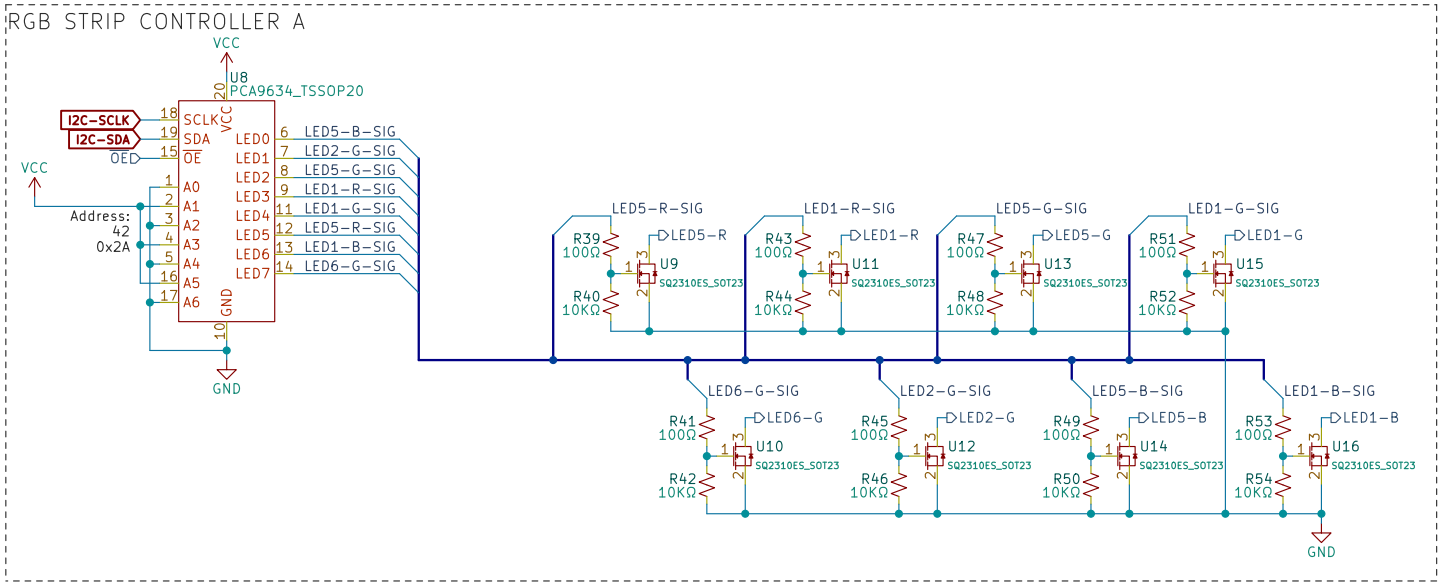
File: ActiveFilters_1-4.kicad_sch

Title: AUDIO FILTER CHANNELS 1 - 4

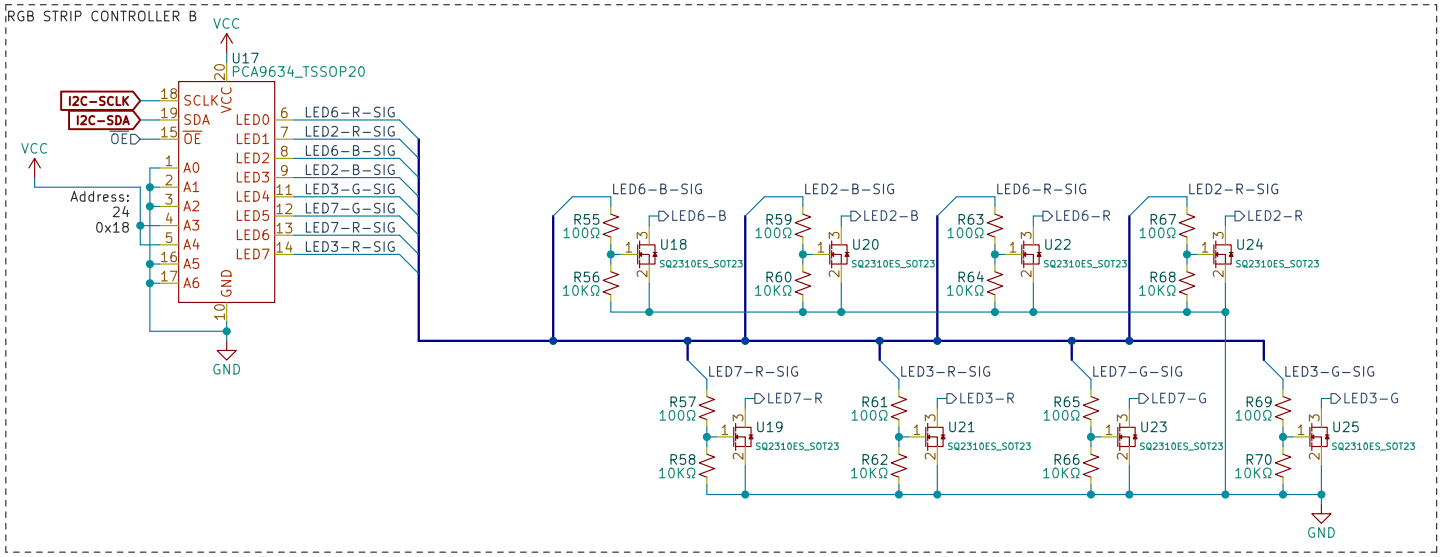
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 5/17



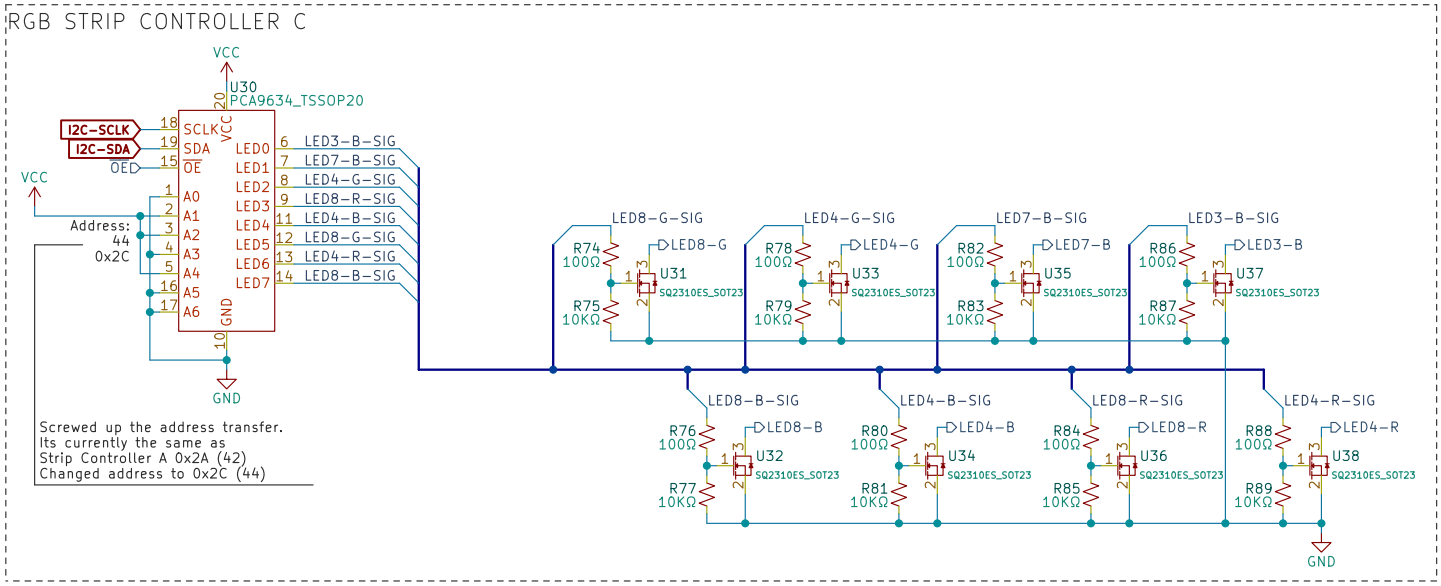
Daxxn Industries		
Sheet: /ADC Sheet/ActiveFilters_5-8/		
File: ActiveFilters_5-8.kicad_sch		
Title: AUDIO FILTER CHANNELS 5 - 8		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 6/17



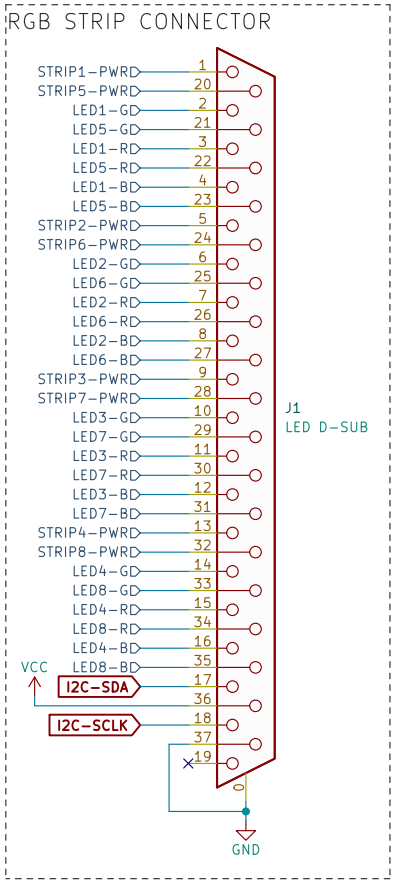
Daxxn Industries		
Sheet: /RGB_Control/RGB Control 1/		
File: RGB_Control-1.kicad_sch		
Title: RGB STRIP CONTROLLER 1		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 7/17



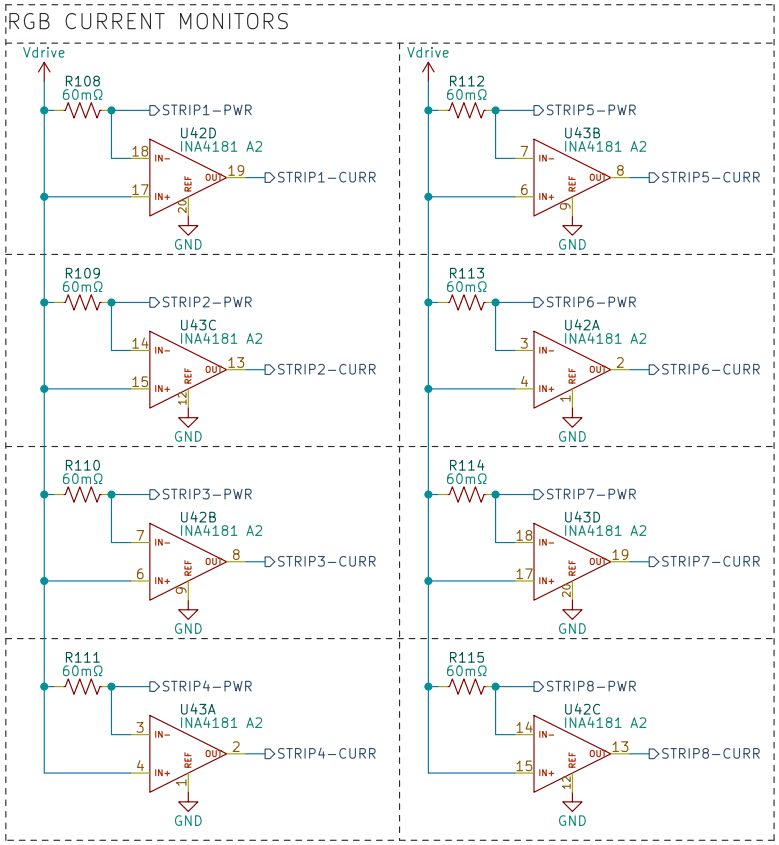
Daxxn Industries		
Sheet: /RGB_Control/RGB Control 2/		
File: RGB_Control-2.kicad_sch		
Title: RGB STRIP CONTROLLER 2		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 8/17



Daxxn Industries		
Sheet: /RGB_Control/RGB Control 3/		
File: RGB_Control-3.kicad_sch		
Title: RGB STRIP CONTROLLER 3		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 9/17



Daxxn Industries		
Sheet: /RGB_Control/Strip Connector/		
File: LED_Connector.kicad_sch		
Title: RGB STRIP CONNECTOR		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 10/17

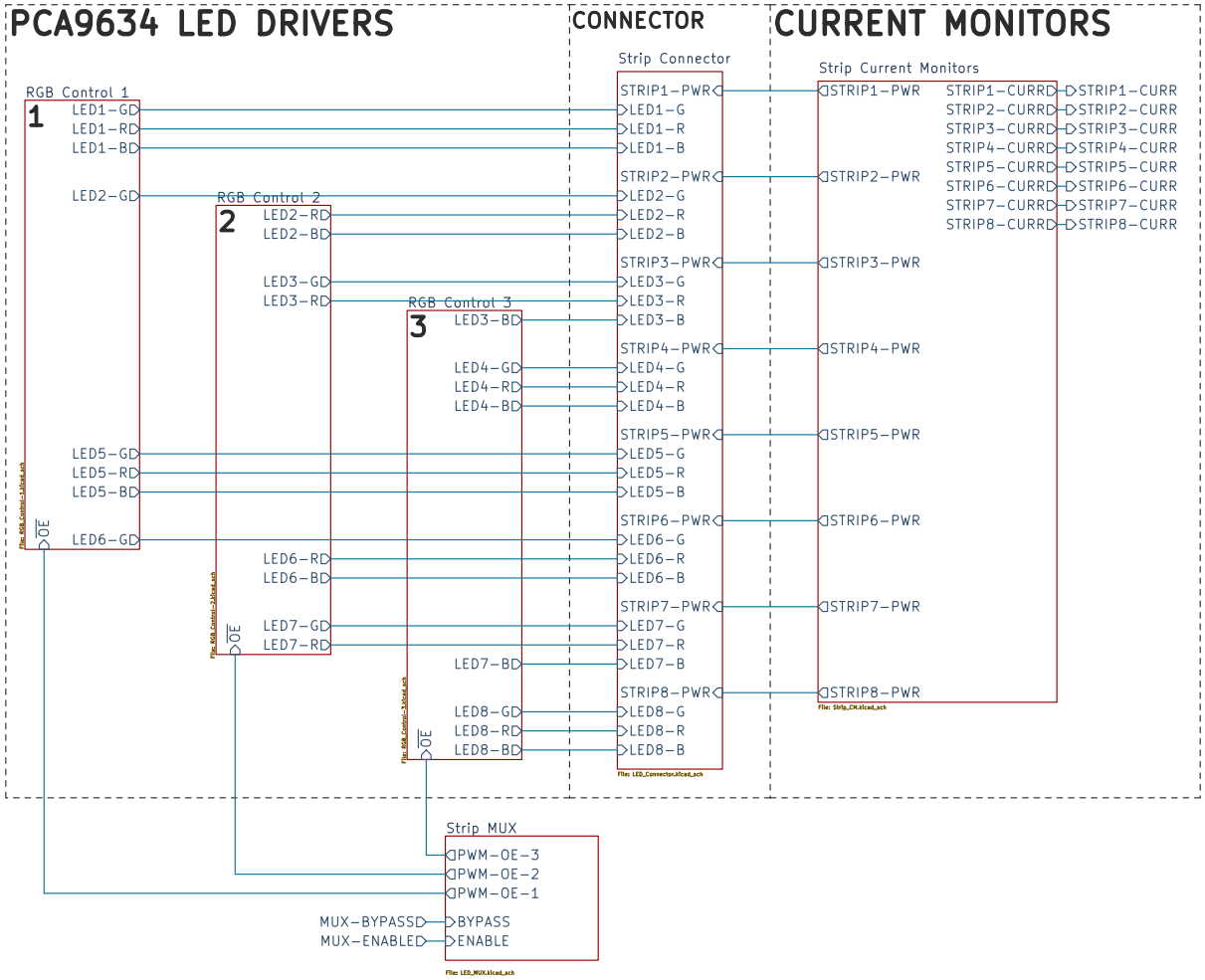


Daxxn Industries

Sheet: /RGB_Control/Strip Current Monitors/
File: Strip_CM.kicad_sch

Title: RGB CURRENT MONITORS

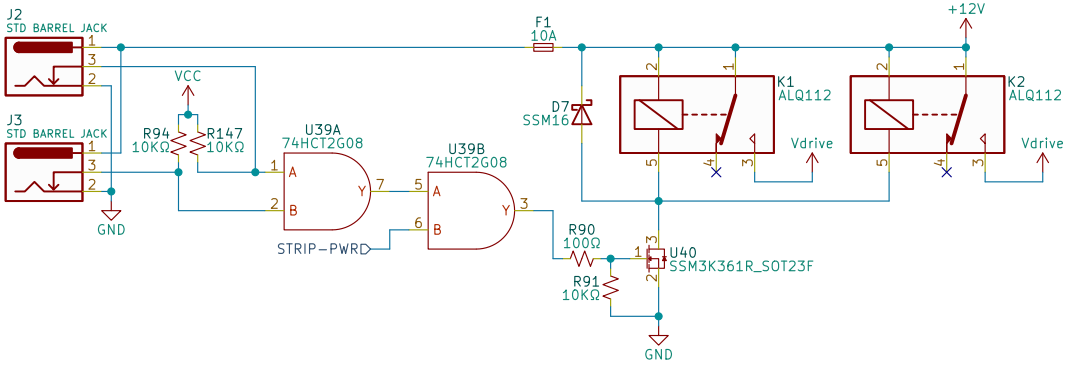
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 11/17



Daxxn Industries		
Sheet: /RGB_Control/		
File: RGB_Control.kicad_sch		
Title: RGB STRIP CONNECTOR		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 12/17

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.

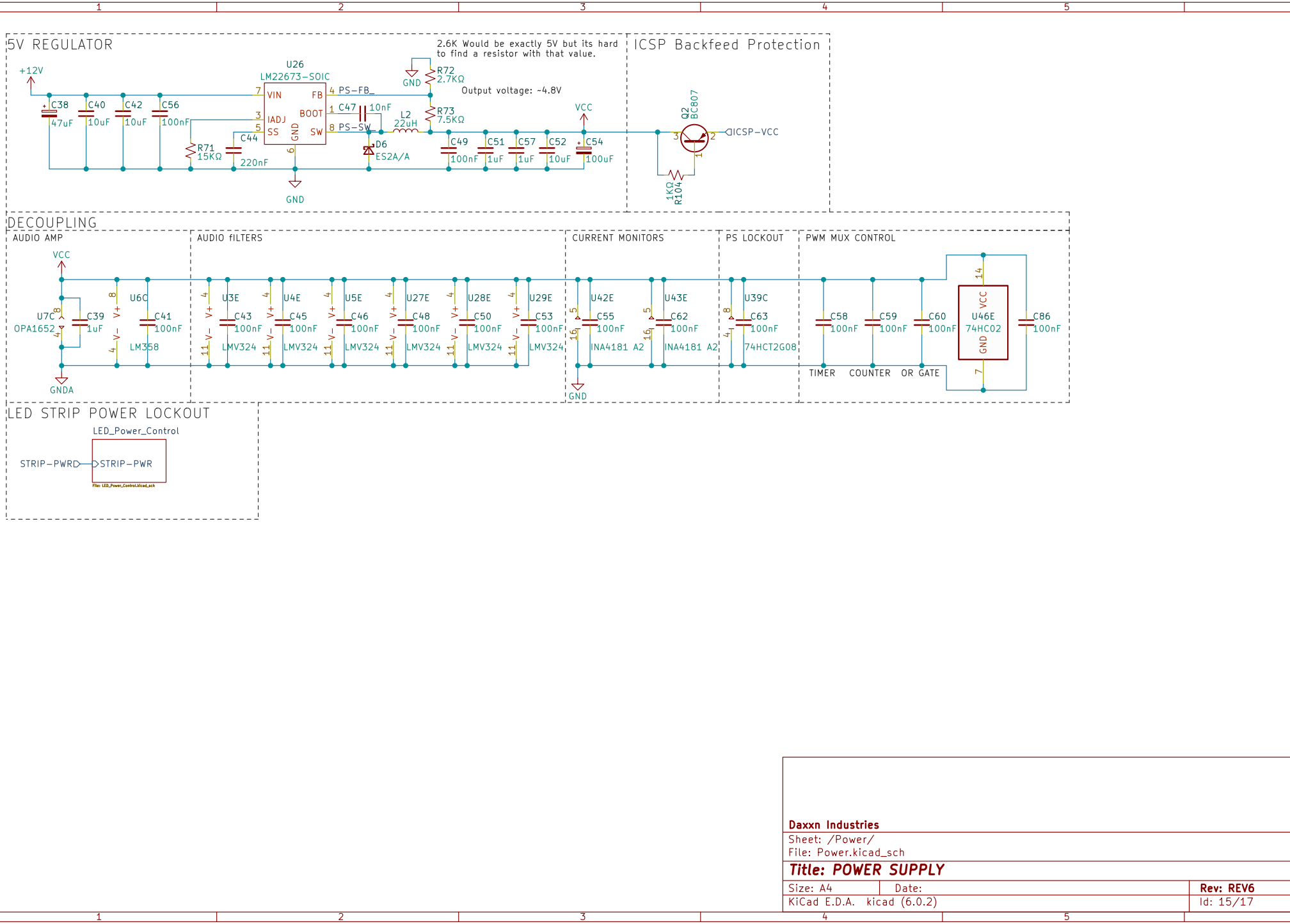


Daxxn Industries

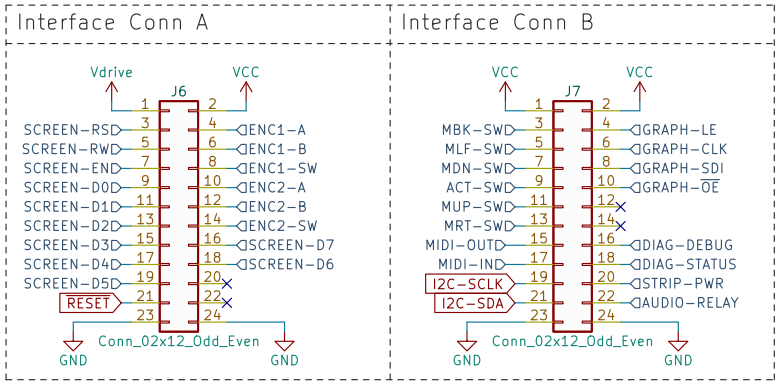
Sheet: /Power/LED_Power_Control/
File: LED_Power_Control.kicad_sch

Title: RGB STRIP POWER LOCKOUT

Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 14/17



Daxxn Industries		
Sheet: /Power/		
File: Power.kicad_sch		
Title: POWER SUPPLY		
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 15/17

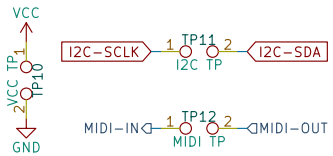


Daxxn Industries

Sheet: /Interface Connectors/
File: Interface_Connectors.kicad_sch

Title:

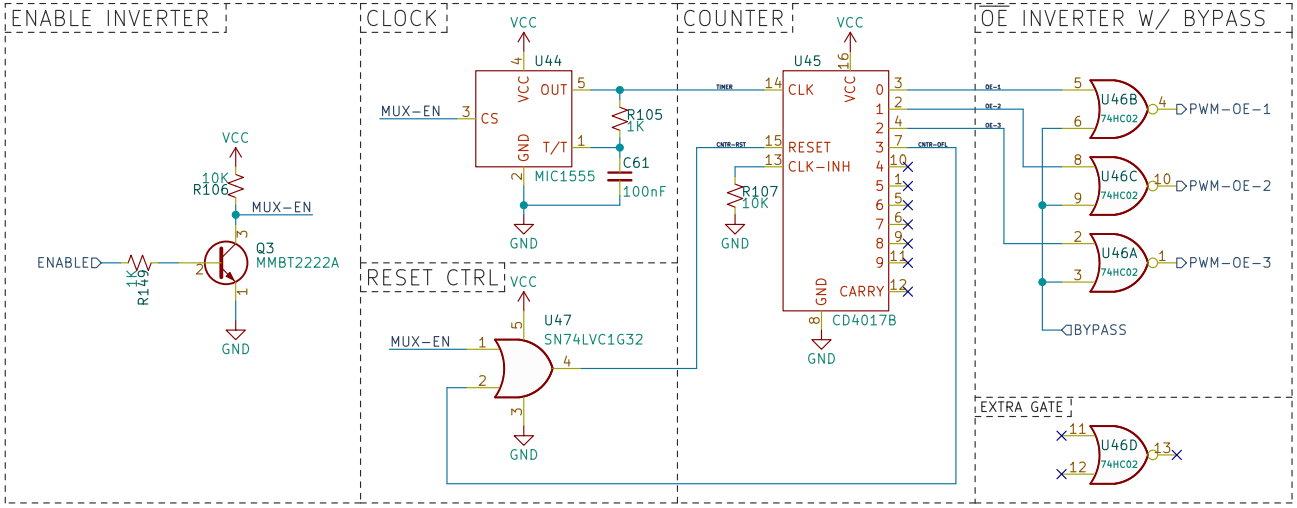
Size: A4	Date:	**Rev: REV6**
KiCad E.D.A. kicad (6.0.2)		Id: 16/17



Sheet: /Test Points/
File: TestPoints.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.2)		Id: 16/17



INPUT TRUTH TABLE			
EN	BYP	RESULT	Description
LOW	LOW	ALL HIGH	Clock and counter disabled, bypass disabled. All Strips OFF.
HIGH	LOW	MUX EN	Multiplex enabled, cycles strips.
LOW	HIGH	ALL LOW	Clock and counter disabled, bypass enabled. All Strips ON.
HIGH	HIGH	ALL LOW	Clock and counter disabled, bypass enabled. All Strips ON.

Sheet: /RGB_Control/Strip MUX/
File: LED_MUX.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.2)		Id: 17/17