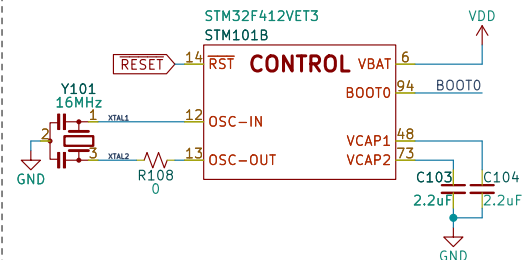
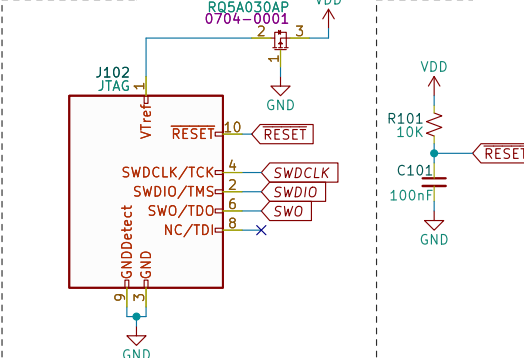


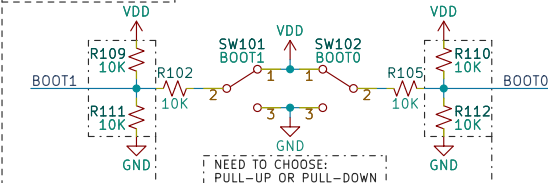
STM32 CONTROL



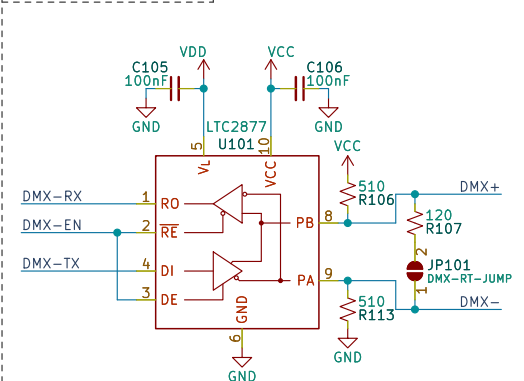
JTAG/SWD



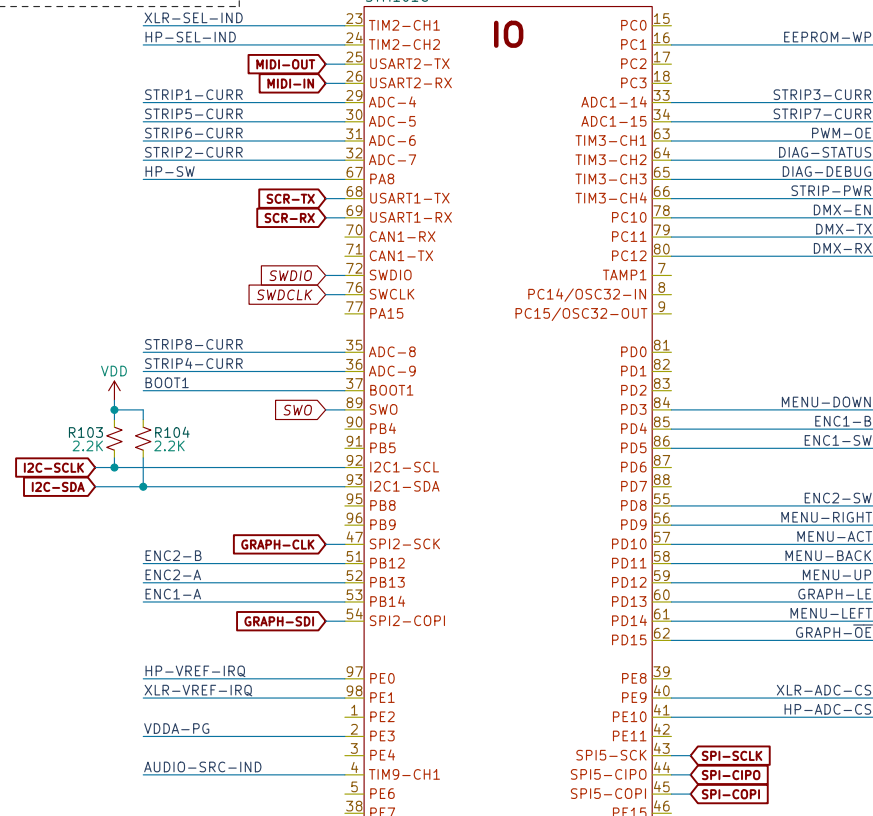
BOOT CONFIG



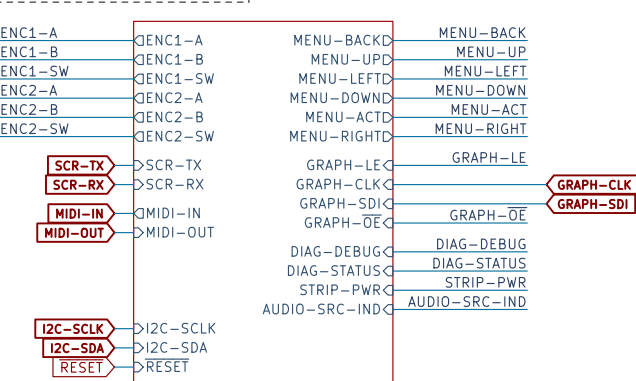
DMX TRANSIVER



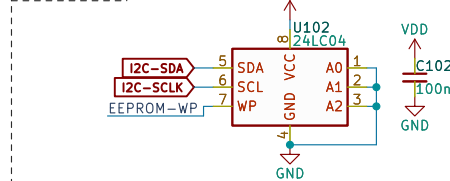
STM32 IO



INTERFACE CONNECTOR



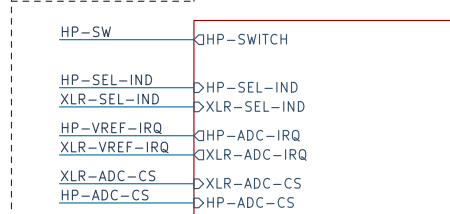
EEPROM



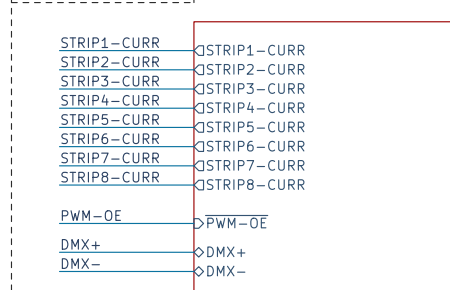
POWER



AUDIO INPUTS



RGB CONTROL



TEST POINTS



Daxxn Industries

Sheet: /

File: LightDrum.kicad_sch

Title: LightDrum

Size: A4

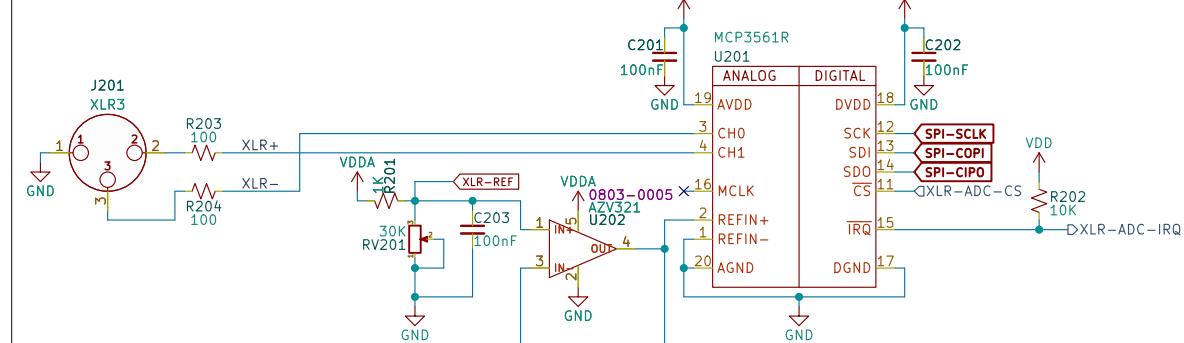
Date:

KiCad E.D.A. kicad (6.0.9)

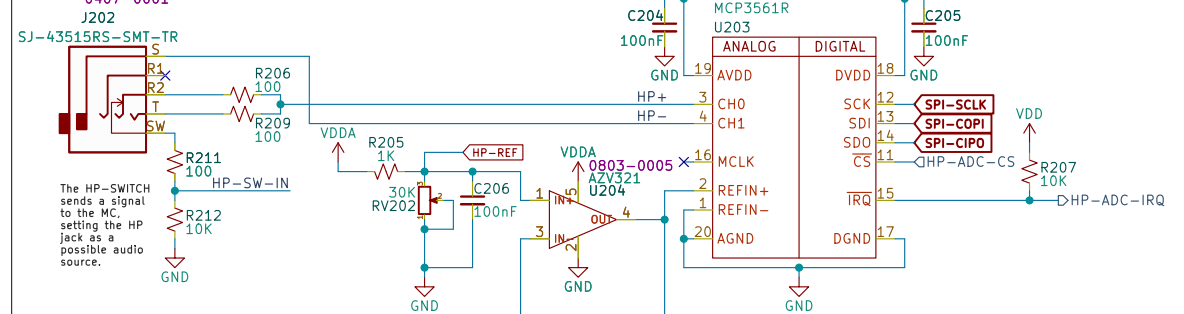
Rev: REV9

Id: 1/12

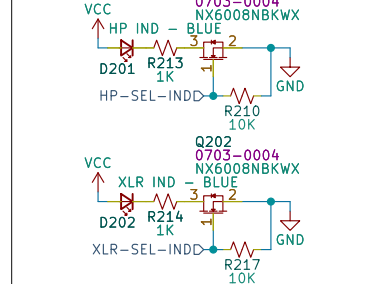
XLR INPUT



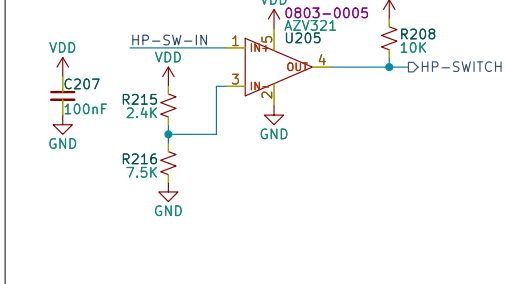
0407-0001



	Q201	0707	000%
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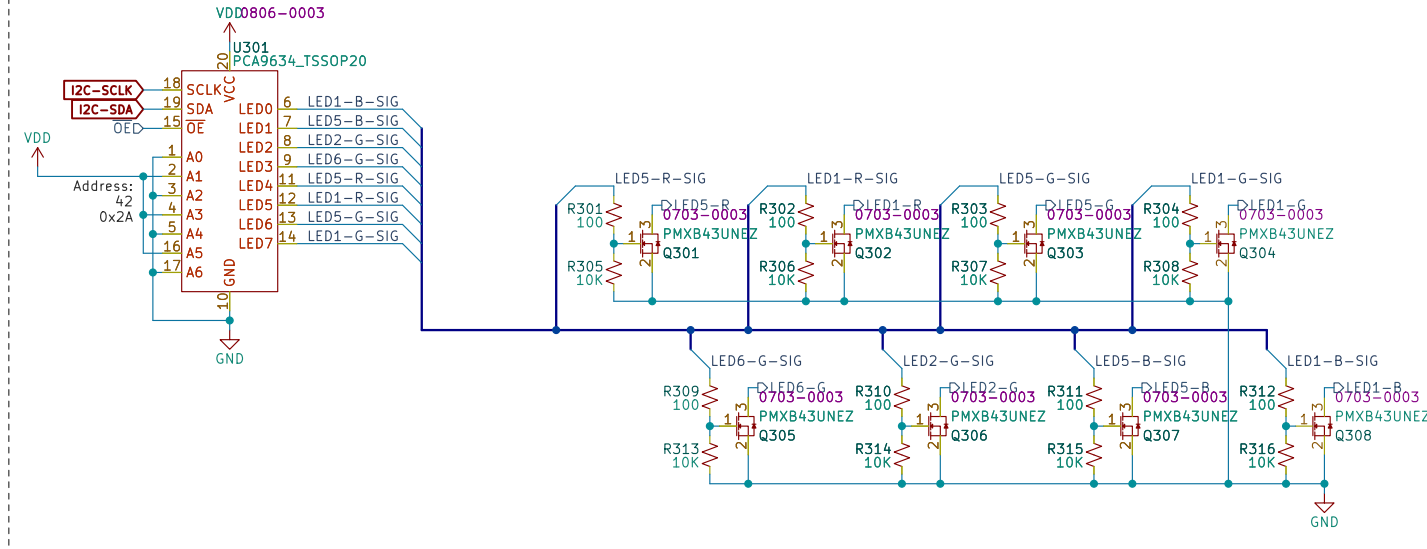


	VDD
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Id: 2/12

RGB STRIP CONTROLLER A



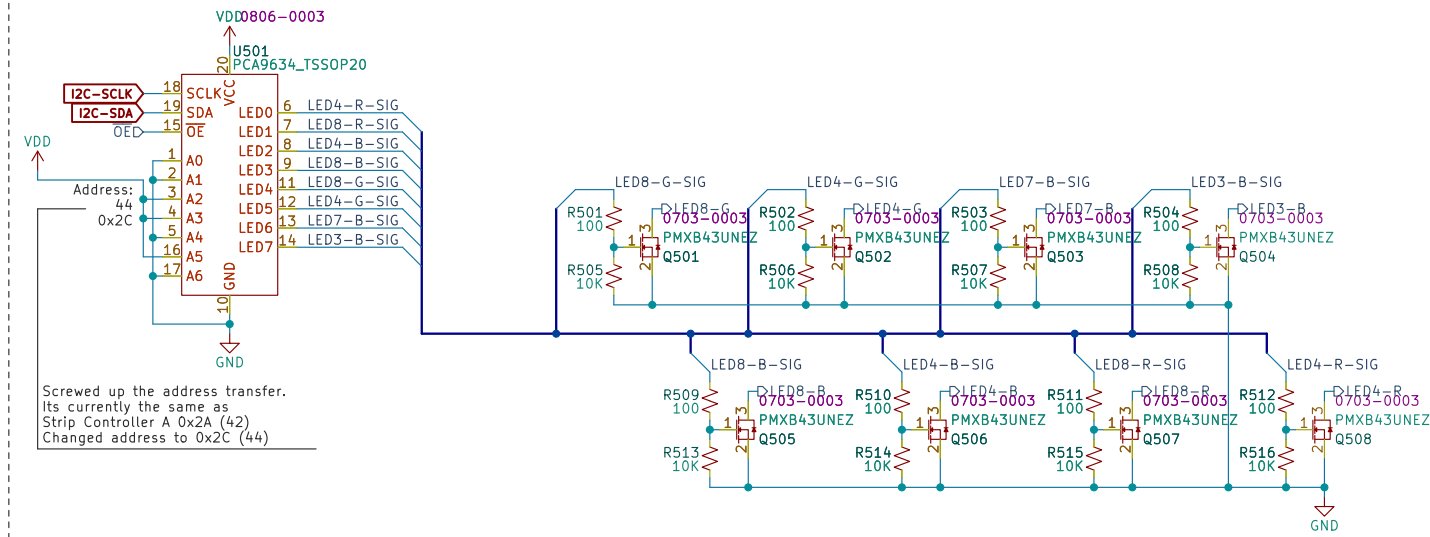
Daxxn Industries

Sheet: /RGB CONTROL/RGB Control 1/
File: RGB_Control-1.kicad_sch

Title: LightDrum

Size: A4	Date:	Rev: REV9
KiCad E.D.A. kicad (6.0.9)		Id: 7/12

RGB STRIP CONTROLLER C



Daxxn Industries

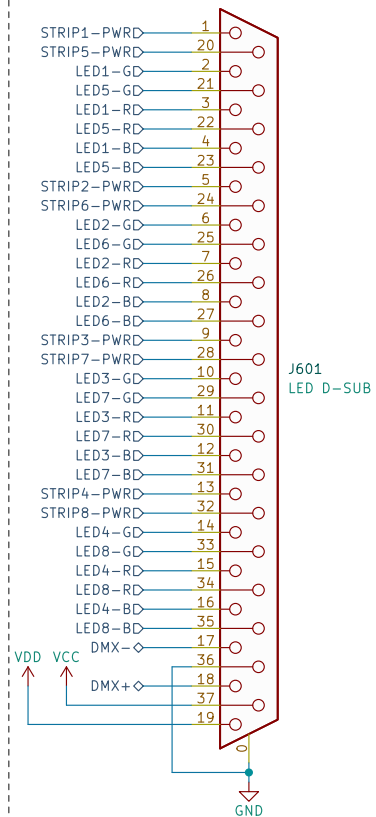
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File: RGB_Control-3.kicad_sch

Title: LightDrum

Size: A4
KiCad E.D.A. kicad (6.0.9)

Date:
Rev: REV9
Id: 9/12

RGB STRIP CONNECTOR



Daxxn Industries

Sheet: /RGB CONTROL/Strip Connector/
File: Strip_Connector.kicad_sch

Title: LightDrum

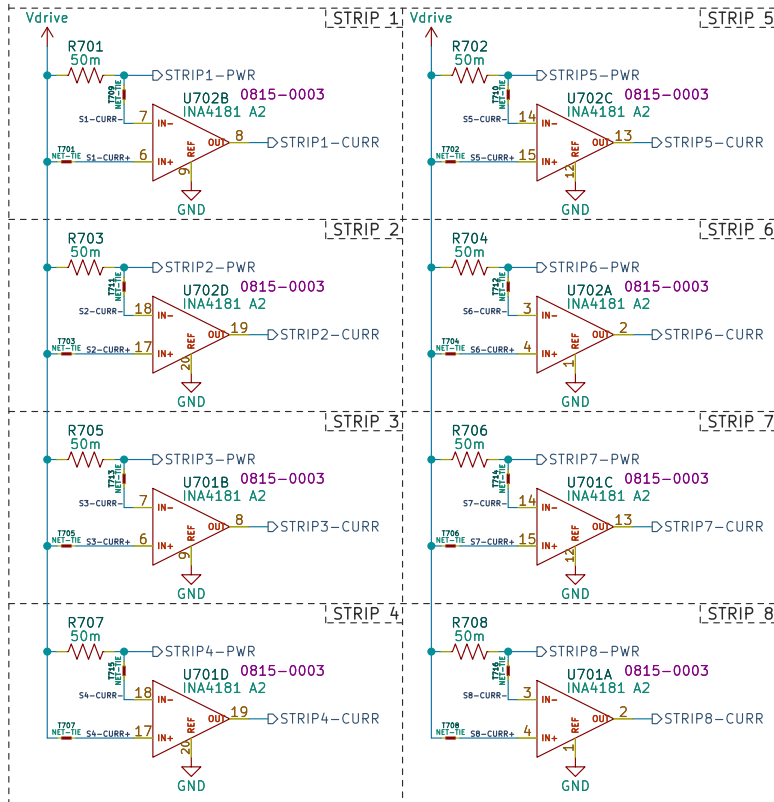
Size: A4
KiCad E.D.A. kicad (6.0.9)

Date:

Rev: REV9

Id: 10/12

RGB CURRENT MONITORS



Daxxn Industries

Sheet: /RGB CONTROL/Strip Current Monitors/
File: Strip_CM.kicad_sch

Title: LightDrum

Size: A4

Date:

KiCad E.D.A. kicad (6.0.9)

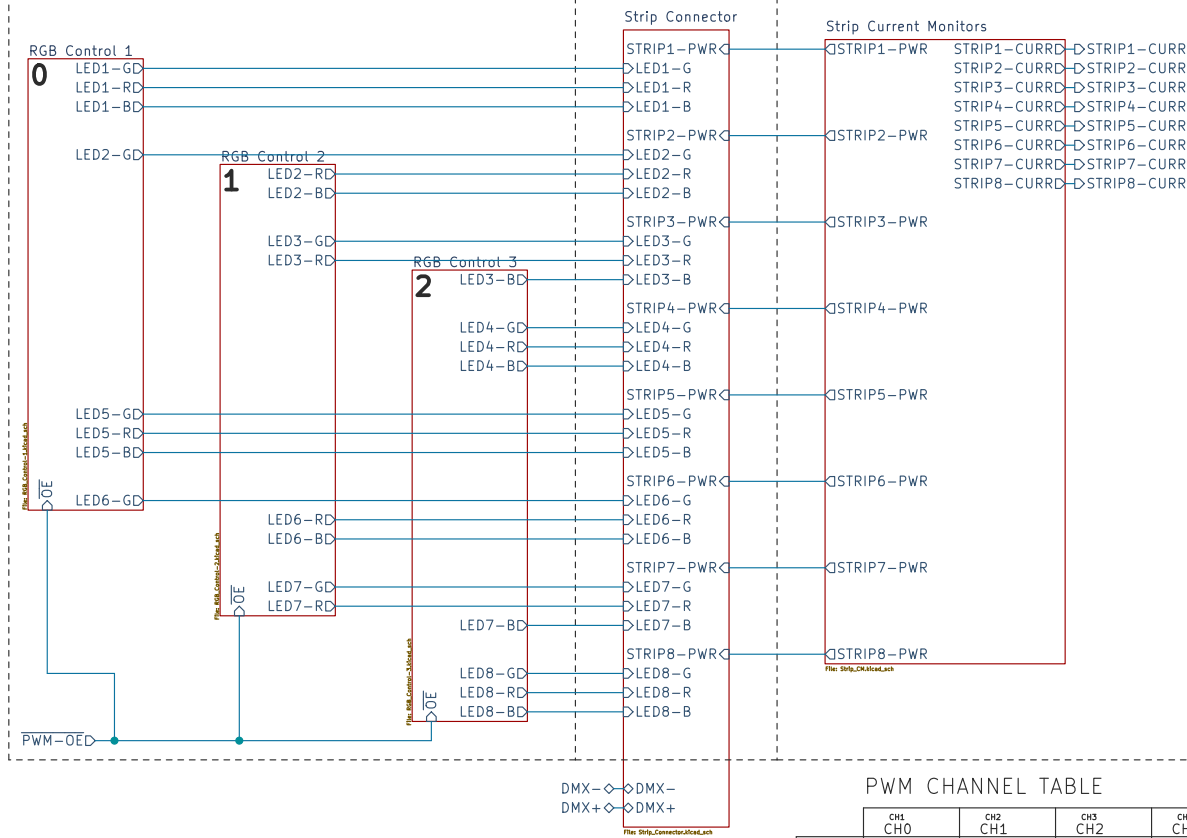
Rev: REV9

Id: 11/12

PCA9634 LED DRIVERS

CONNECTOR

CURRENT MONITORS



PWM CHANNEL TABLE

	CH1 CH0	CH2 CH1	CH3 CH2	CH4 CH3	CH5 CH4	CH6 CH5	CH7 CH6	CH8 CH7
RED	PWM0-3	PWM1-1	PWM1-7	PWM2-6	PWM0-5	PWM1-0	PWM1-6	PWM2-3
GREEN	PWM0-4	PWM0-1	PWM1-4	PWM2-2	PWM0-2	PWM0-7	PWM1-5	PWM2-5
BLUE	PWM0-6	PWM1-3	PWM2-0	PWM2-4	PWM0-0	PWM1-2	PWM2-1	PWM2-7

Daxxn Industries

Sheet: /RGB CONTROL/
File: RGB_Control.kicad_sch

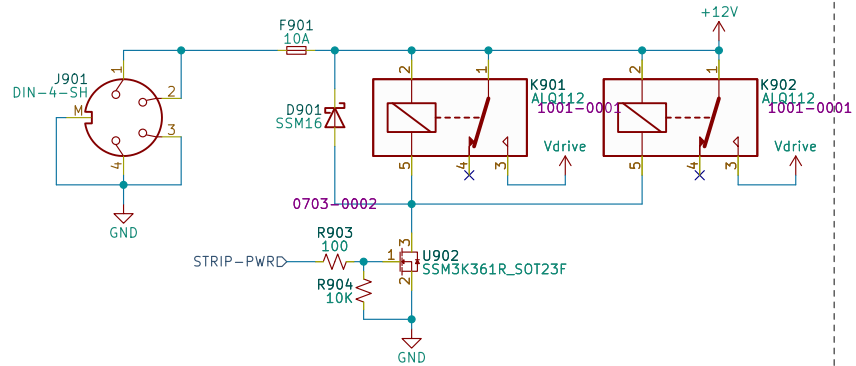
Title: LightDrum

Size: A4
KiCad E.D.A. kicad (6.0.9)

Date:
Rev: **REV9**
Id: 12/12

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.

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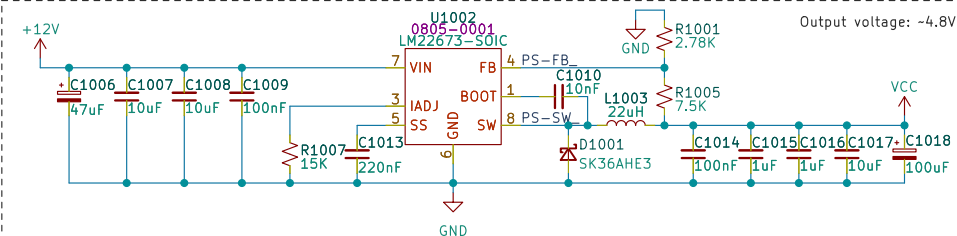


Sheet: /POWER/LED_Power_Control/
File: LED_Power_Control.kicad_sch

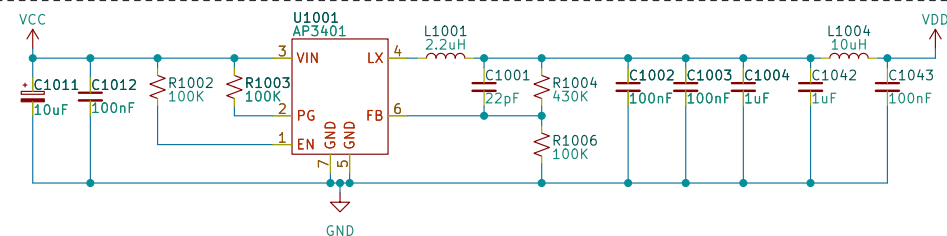
Size: A4	Date:
KiCad E.D.A. kicad (6.0.9)	

Id: 14/12

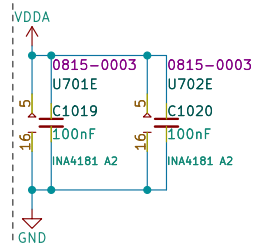
5V REGULATOR



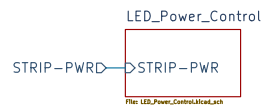
3.3V REGULATOR



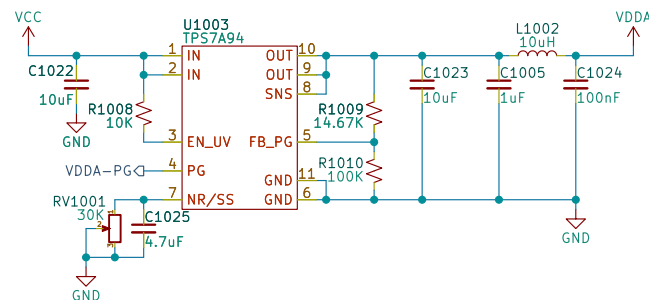
DECOUPLING CURRENT MONITORS



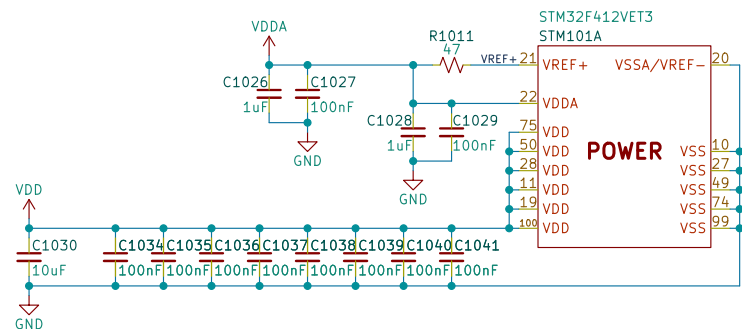
LED STRIP POWER LOCKOUT



PRECISION ANALOG REGULATOR



STM32 POWER SUPPLY



Daxxn Industries

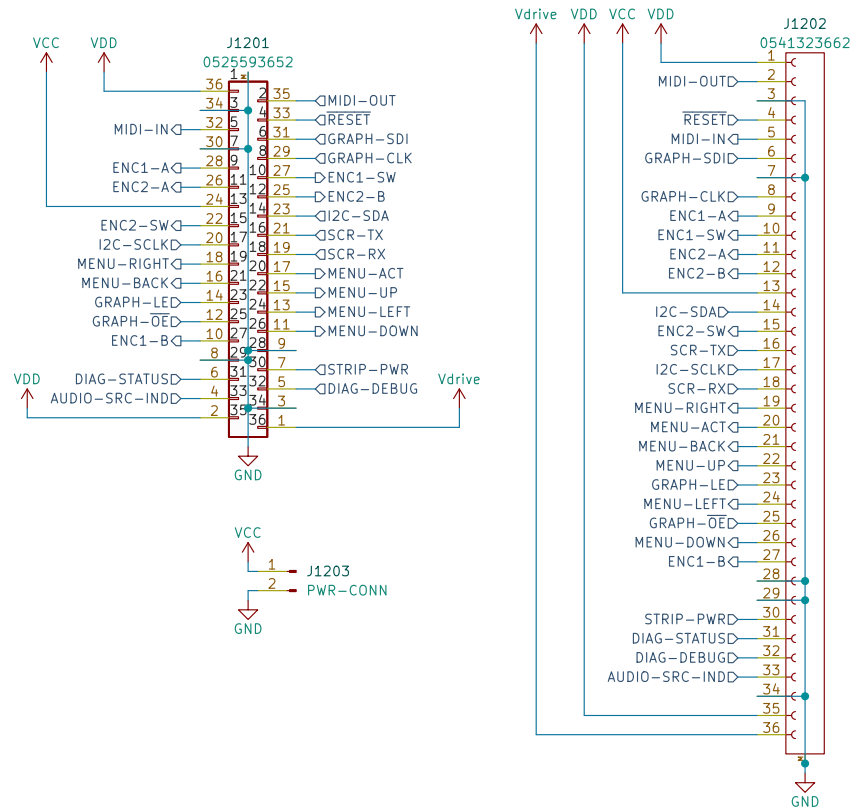
Sheet: /POWER/
File: Power.kicad_sch

Title: LightDrum

Size: A4 Date:
KiCad E.D.A. kicad (6.0.9)

Rev: REV9
Id: 15/12

MATCHING CONN ON INTERFACE PCB
NOT POPULATED



Daxxn Industries

Sheet: /INTERFACE CONNECTOR/
File: Interface_Connectors.kicad_sch

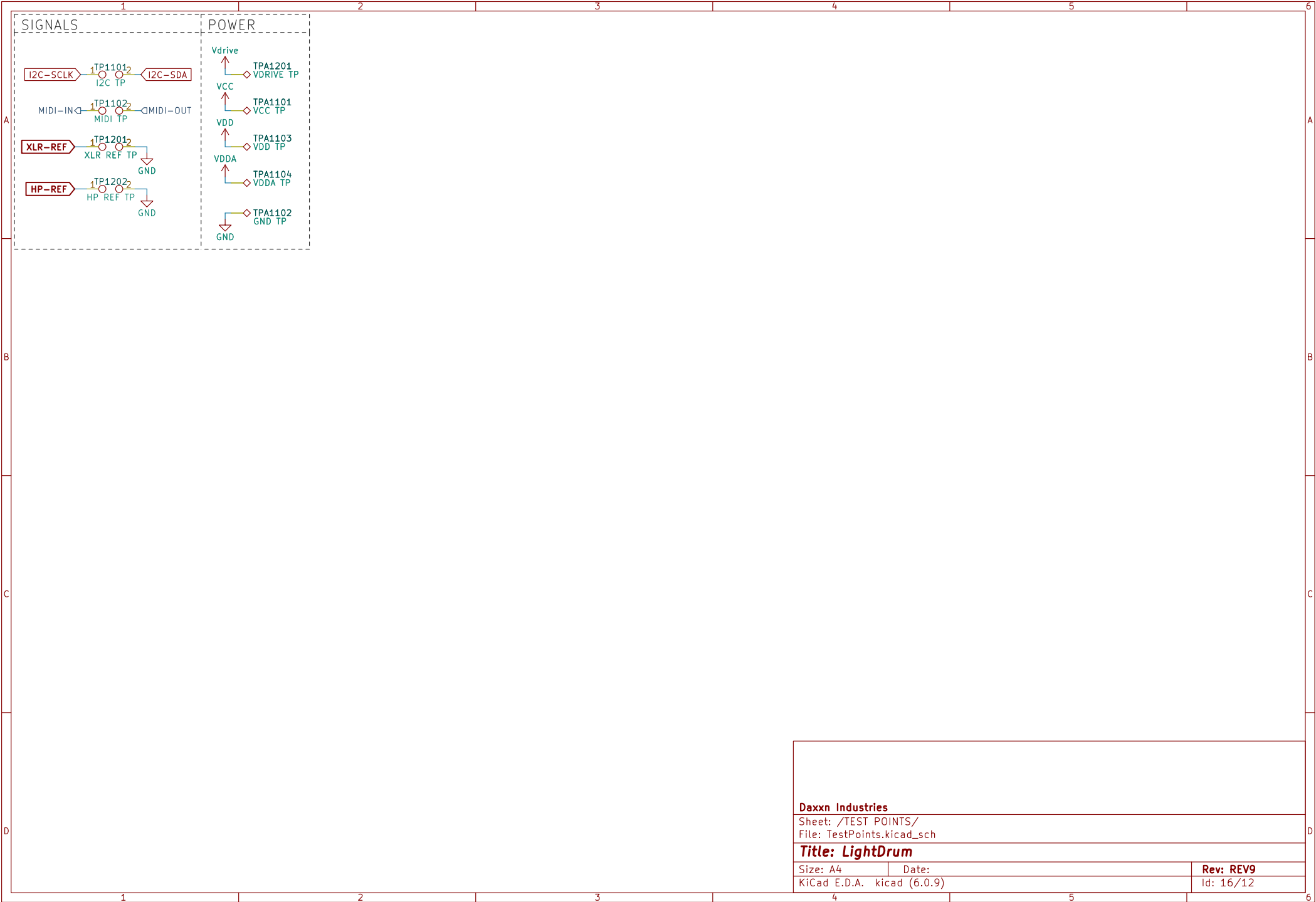
Title: LightDrum

Size: A4
KiCad E.D.A. kicad (6.0.9)

Date:

Rev: REV9

Id: 16/12



Daxxn Industries

Sheet: /TEST POINTS/
File: TestPoints.kicad_sch

Title: LightDrum

Size: A4

Date:

Rev: REV9

Id: 16/12