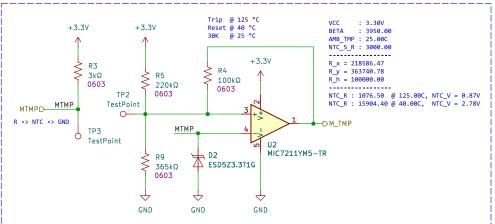
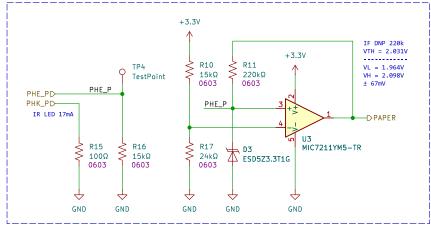


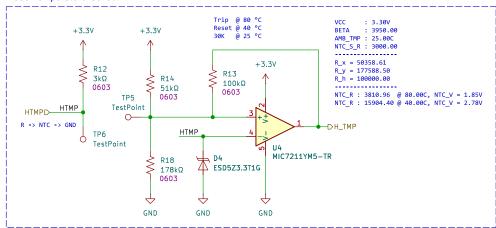
### Motor Temperature Sensor



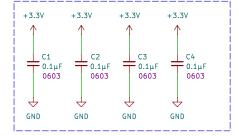
## Paper Sensor



## Head Temperature Sensor



#### Filter Caps



ADC Jumper			
HTMP_RAW<	R19	HTMP	
	0R 0603		

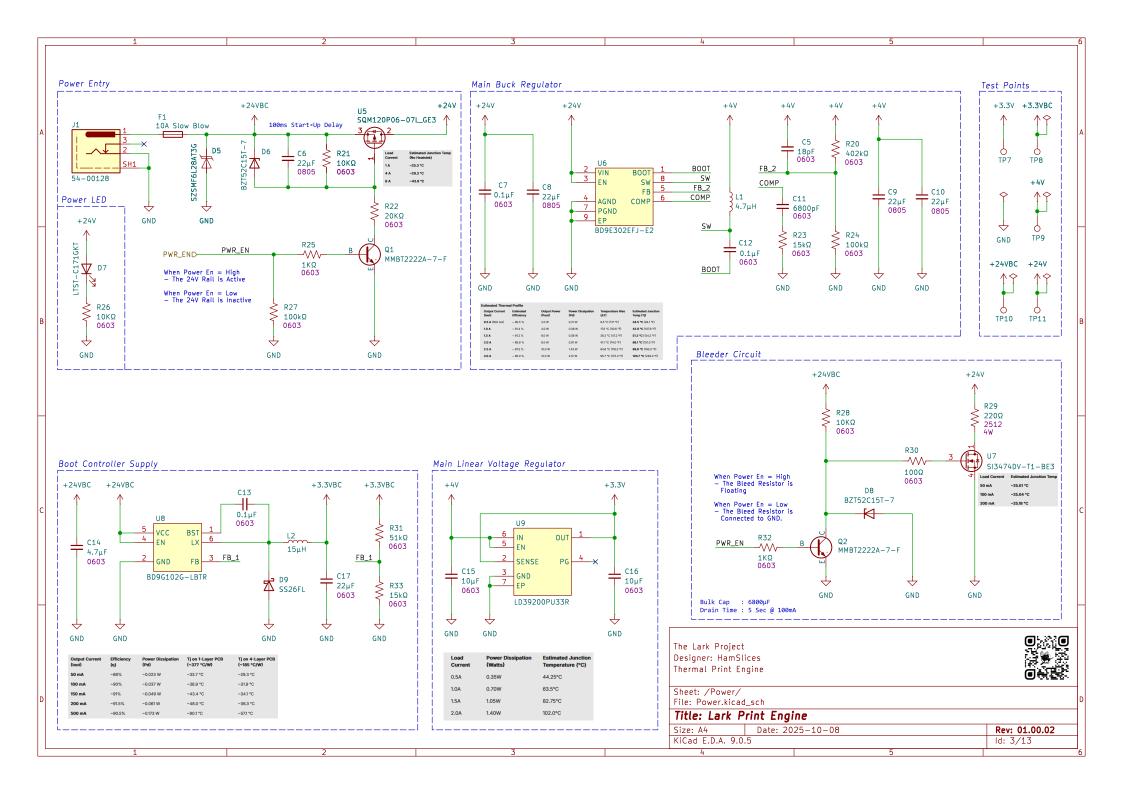
The Lark Project Designer: HamSlices Thermal Print Engine

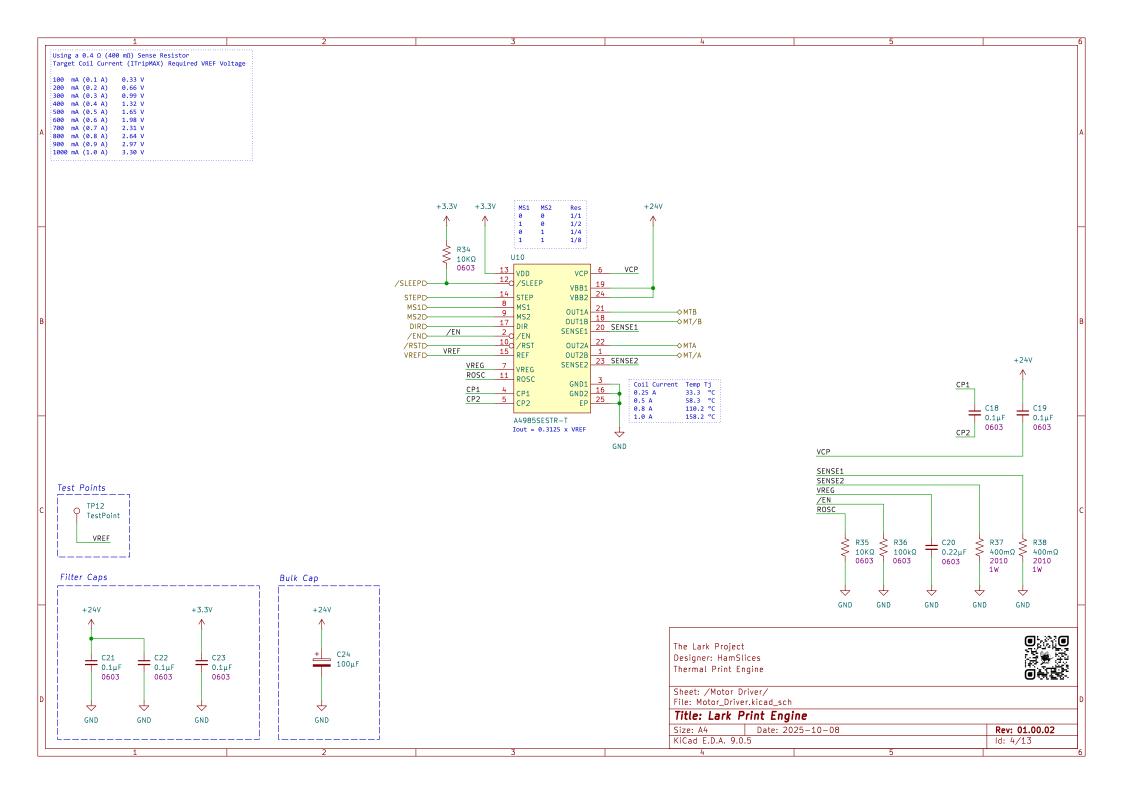
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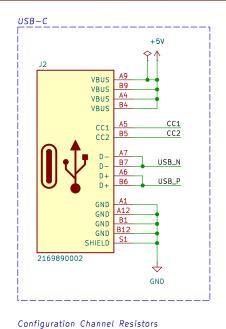
Title: Lark Print Engine

 Size: A4
 Date: 2025-10-08
 Rev: 01.00.02

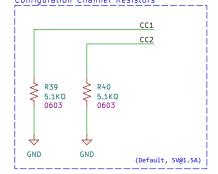
 KiCad E.D.A. 9.0.5
 Id: 2/13



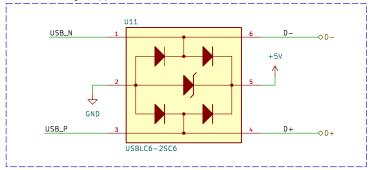




# Transient Voltage Suppressor



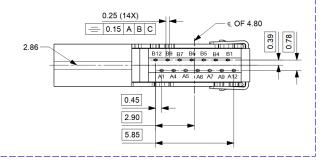
USB TYPE-C PIN ASSIGNMENTS



### Pinout: 2169890002

PIN NUMBER	SIGNAL NAME	PIN NUI
A1	GND	B1
A4	VBUS	BS
A5	CC1	
A6	Dp1	В
A7	Dn1	В
		B
A9	VBUS	B
A12	GND	B.

PIN NUMBER	SIGNAL NAME
B12	GND
B9	VBUS
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B1	GND



The Lark Project Designer: HamSlices Thermal Print Engine



Sheet: /USB/ File: USB.kicad\_sch

Title: Lark Print Engine

 Size: A4
 Date: 2025-10-08
 Rev: 01.00.02

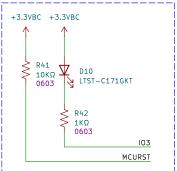
 KiCad E.D.A. 9.0.5
 Id: 5/13



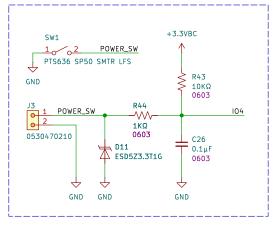
### Programmer & Tutorial

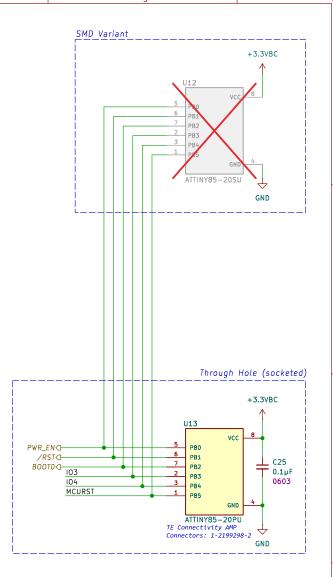
- https://learn.sparkfun.com/tutorials/tiny-avr-programmer-hookup-guide/
- https://www.digikey.com/en/products/detail/sparkfun-electronics/11801/5230948
- https://tinyurl.com/4sdmahcw

#### Indicator & Reset pull-up



#### Power Switch





The Lark Project
Designer: HamSlices
Thermal Print Engine

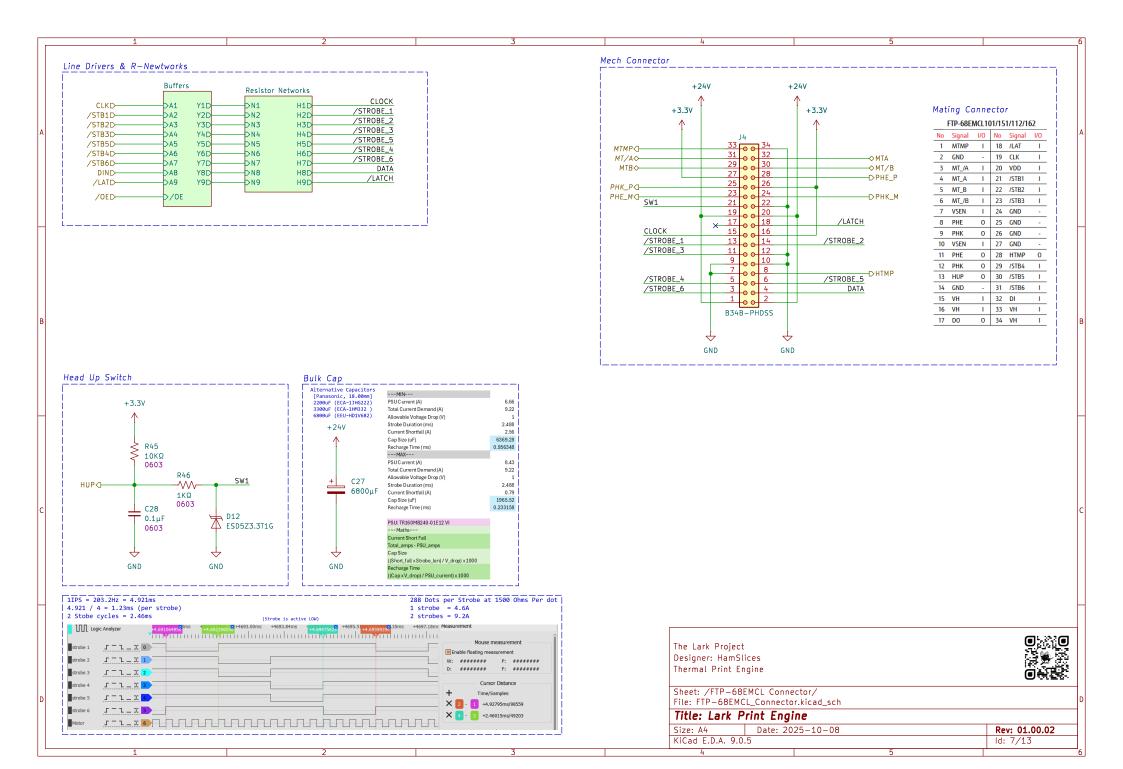


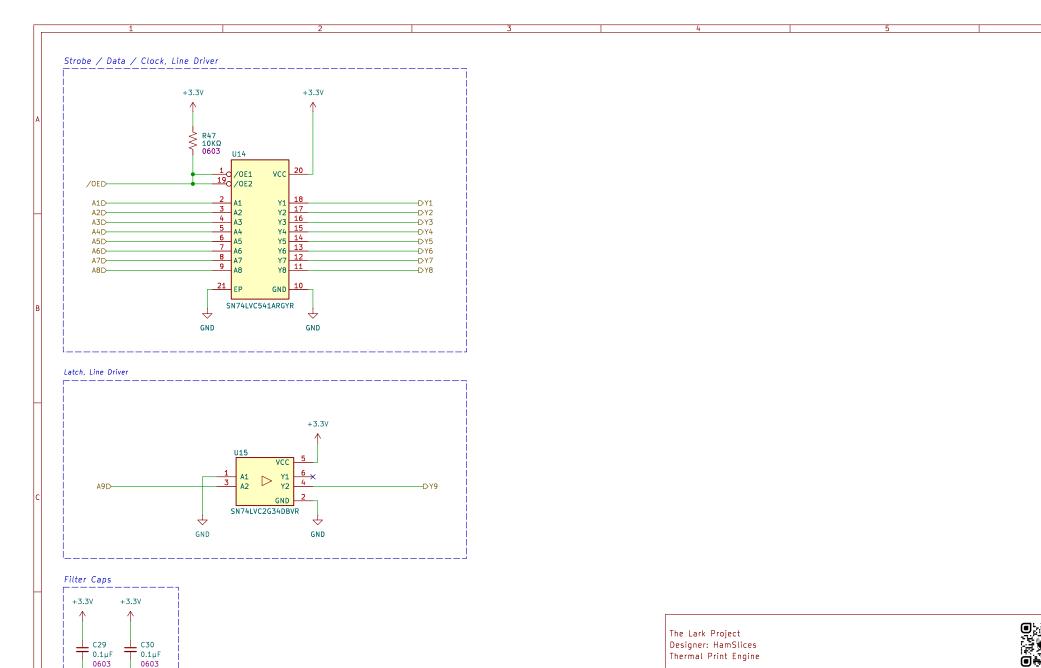
Sheet: /Boot Controller/ File: Boot\_Controller.kicad\_sch

Title: I	Lark P	rint	Eng	gine

 Size: A4
 Date: 2025-10-08
 Rev: 01.00.02

 KiCad E.D.A. 9.0.5
 Id: 6/13





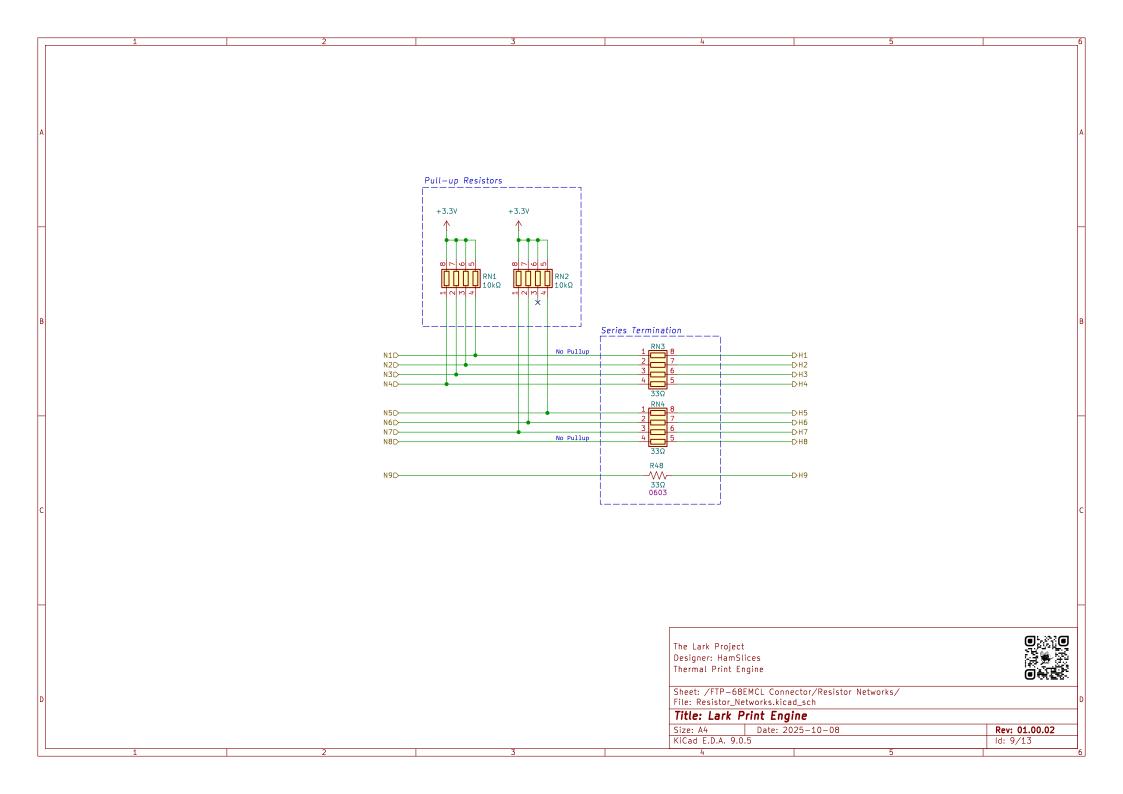
GND

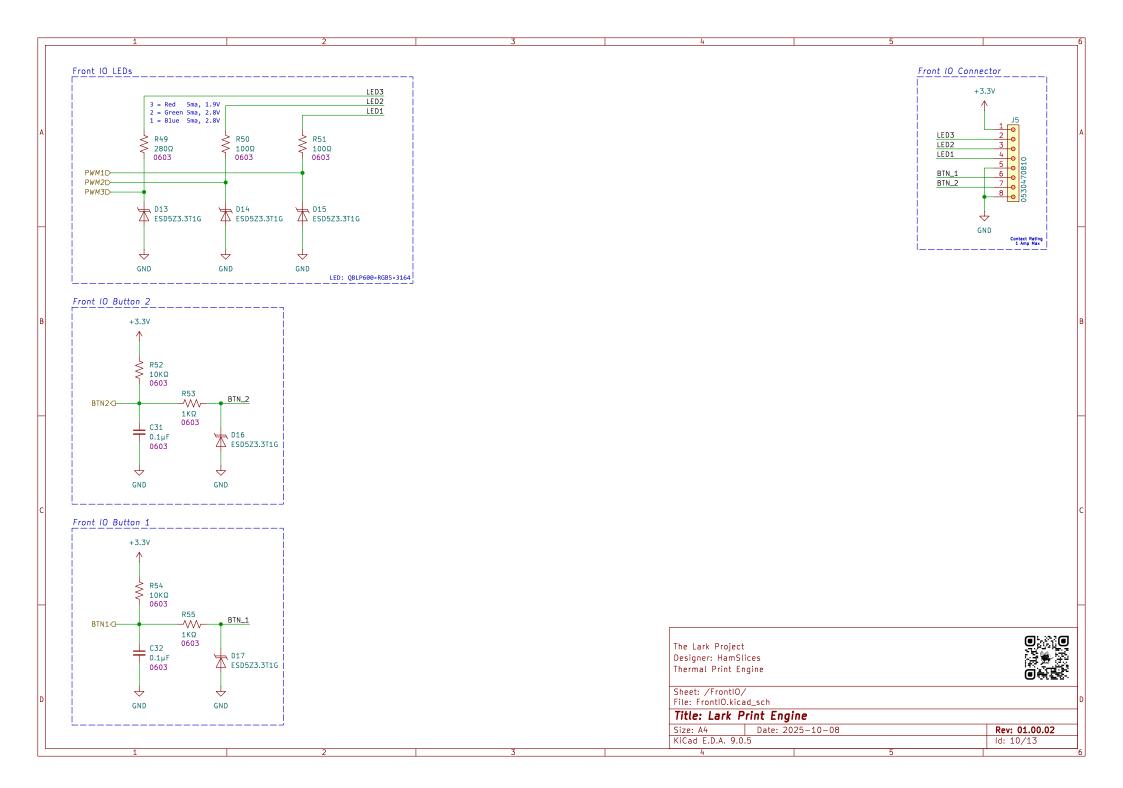
GND

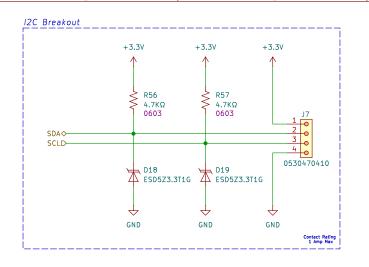
Sheet: /FTP-68EMCL Connector/Buffers/ File: Buffers.kicad\_sch

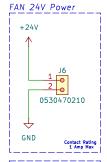
Title: Lark Print Engine

Size: A4	Date: 2025-10-08	Rev: 01.00.02
KiCad E.D.A. 9.0	.5	ld: 8/13

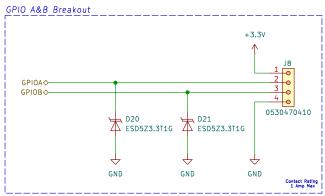








- Recomended Fan -Sunon Fans MF50152V1-1000U-A99 50mm x 50mm x 15.00mm 24V, 1.01 Watts



The Lark Project Designer: HamSlices Thermal Print Engine



Sheet: /Auxiliary/ File: Auxiliary.kicad\_sch

Title: Lark Print Engine

Size: A4 Date: 2025-10-08 Rev: 01.00.02 KiCad E.D.A. 9.0.5 ld: 11/13

