

1	2	3	4	5	6	
A						A
B						B
C						C
D						D

Hall & Encoder	
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Power	
File: Power.kicad_sch	

TMC4671	
File: TMC4671.kicad_sch	

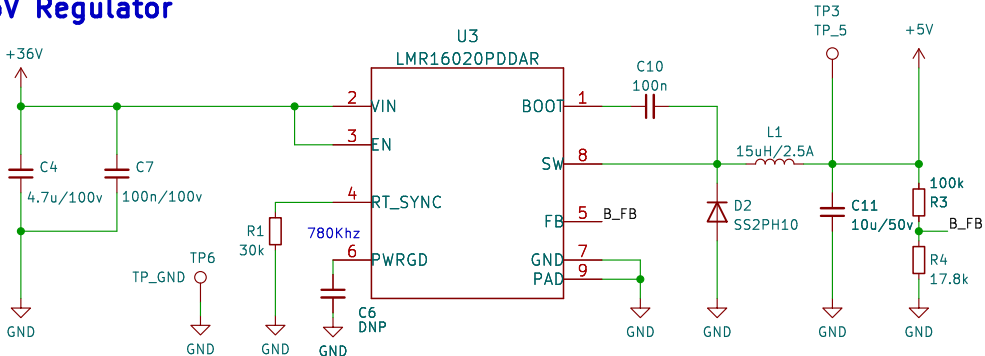
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Misc	
File: Misc.kicad_sch	

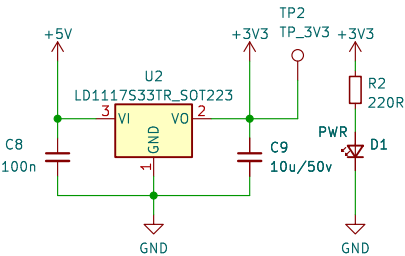
Yaseen M. Twati		
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File: Thunder4671.kicad_sch		
Title: Thunder4671		
Size: A4	Date: 2023-02-07	Rev: V1.0
KiCad E.D.A. 9.0.6	Id: 1/6	

# Power & Regulation

## 5V Regulator



## 3V3 Regulator



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File: Power.kicad\_sch

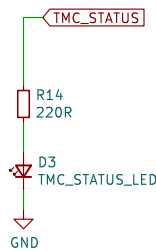
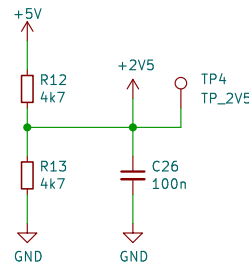
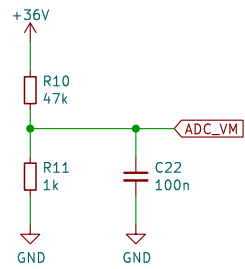
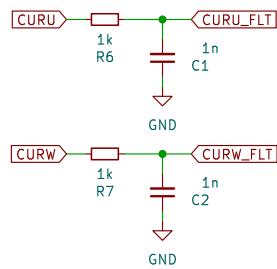
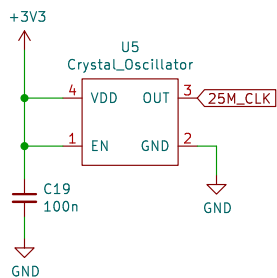
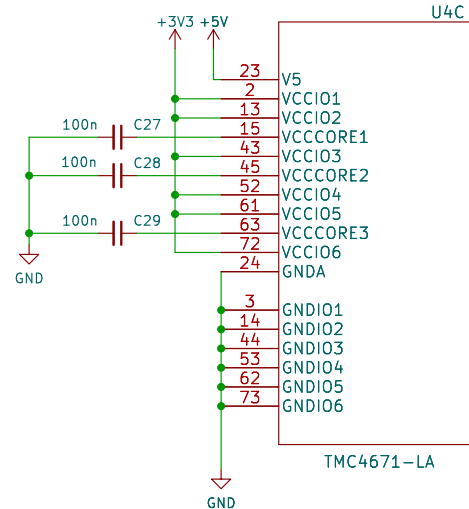
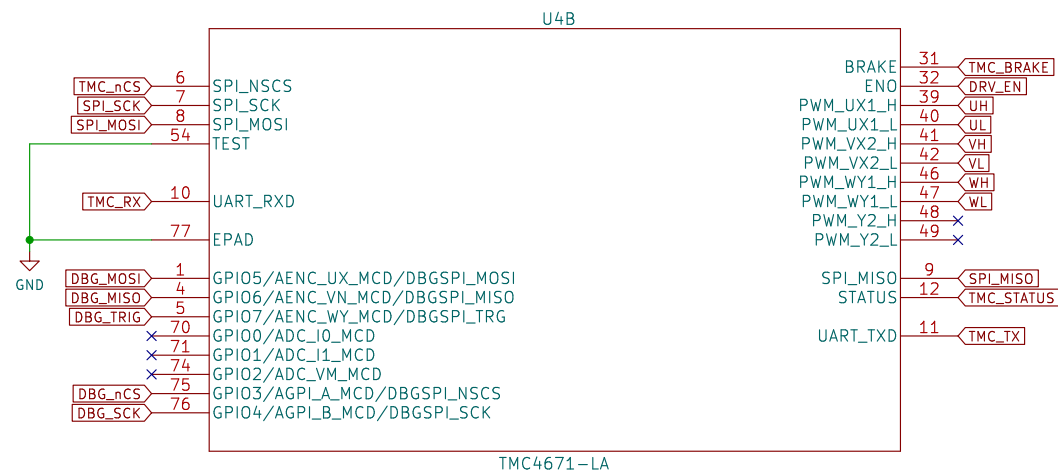
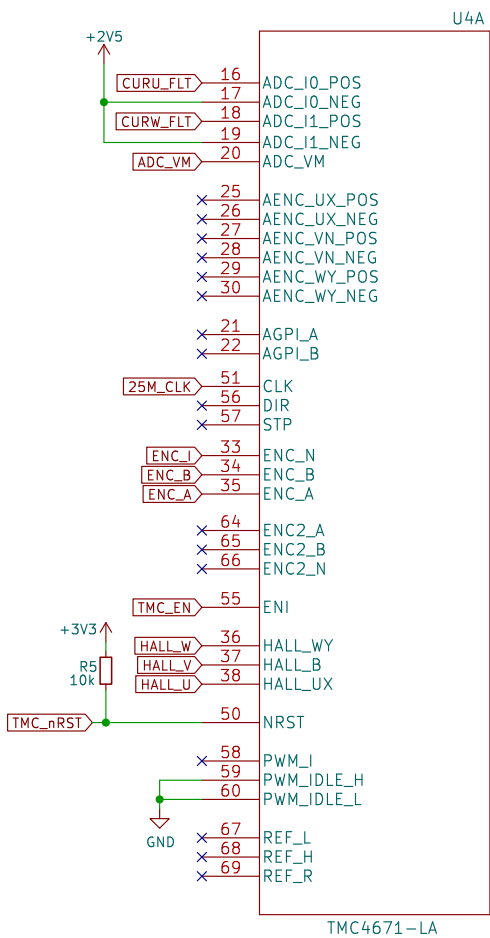
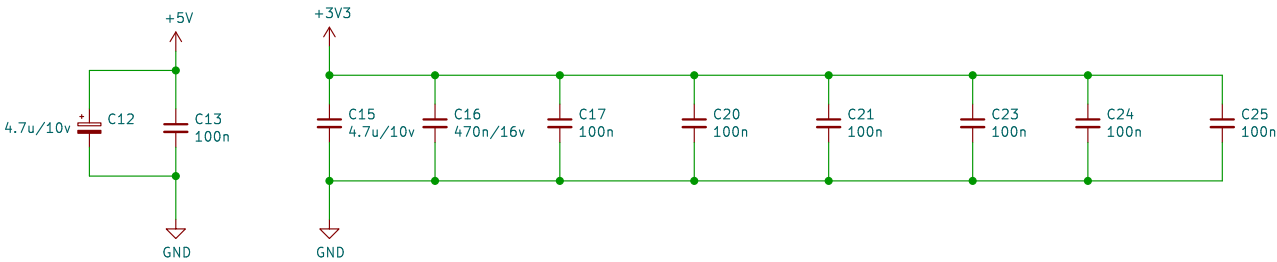
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Date: 2023-02-07

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TMC4671 FOC Controller



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Sheet: /TMC4671/  
File: TMC4671.kicad\_sch

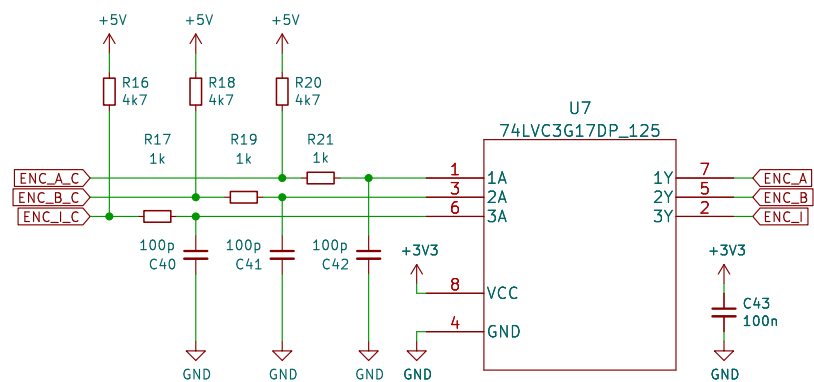
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KiCad E.D.A. 9.0.6

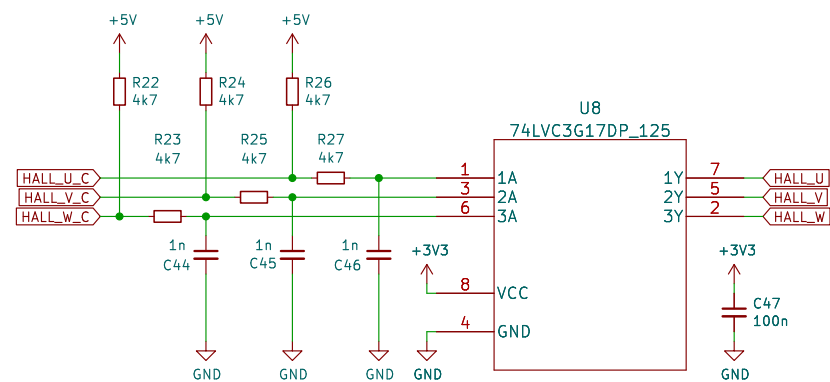
Rev: V1.0

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HALL / ENCODER



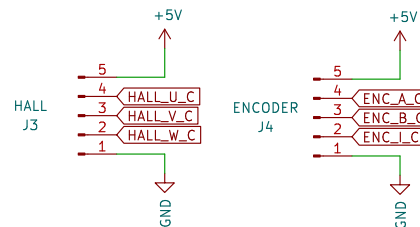
Encoder



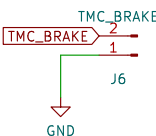
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# Connectors

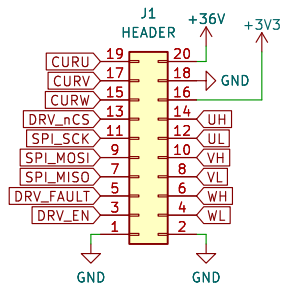
## Hall & Encoder



## Brake Chopper

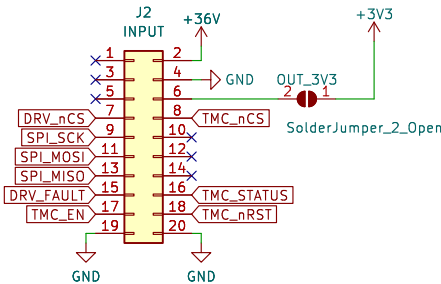


## ThunderMini Connection



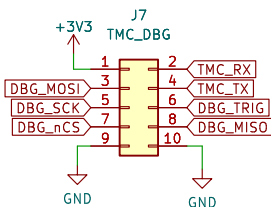
Bottom Side

## Control / Thunder32



Top Side

## TMC Debbug ( RTMI )



Yaseen M. Twati

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

**Title: Thunder4671**

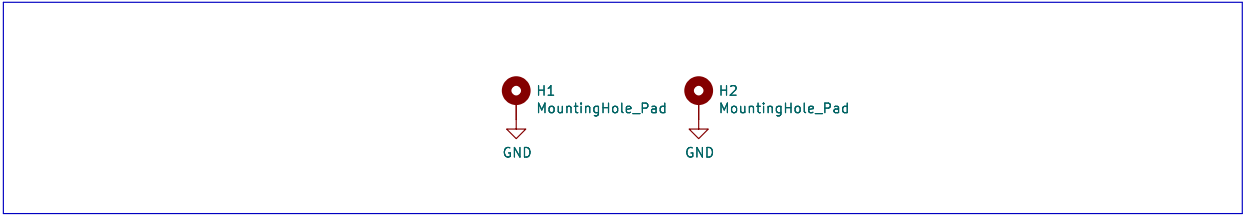
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KiCad E.D.A. 9.0.6

**Rev: V1.0**

Id: 6/6

Misc & Extra



Mounting Holes

Yaseen M. Twati		
Sheet: /Misc/ File: Misc.kicad_sch		
Title: Thunder4671		
Size: A4	Date: 2023-02-07	Rev: V1.0
KiCad E.D.A. 9.0.6		Id: 7/6