

1 2 3 4 5 6

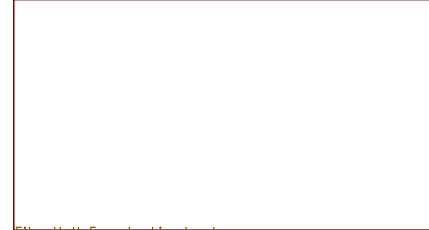
A

A

B

B

Hall & Encoder



File: Hall\_Encoder.kicad\_sch

Power



File: Power.kicad\_sch

TMC4671



File: TMC4671.kicad\_sch

Connectors



File: Connectors.kicad\_sch

Misc



File: Misc.kicad\_sch

C

C

D

D

**Yaseen M. Twati**

Sheet: /

File: Thunder4671.kicad\_sch

**Title: Thunder4671**

Size: A4 Date: 2023-02-07

KiCad E.D.A. 9.0.6

**Rev: V1.0**

Id: 1/6

1 2 3 4 5 6

## Power & Regulation

A

A

B

B

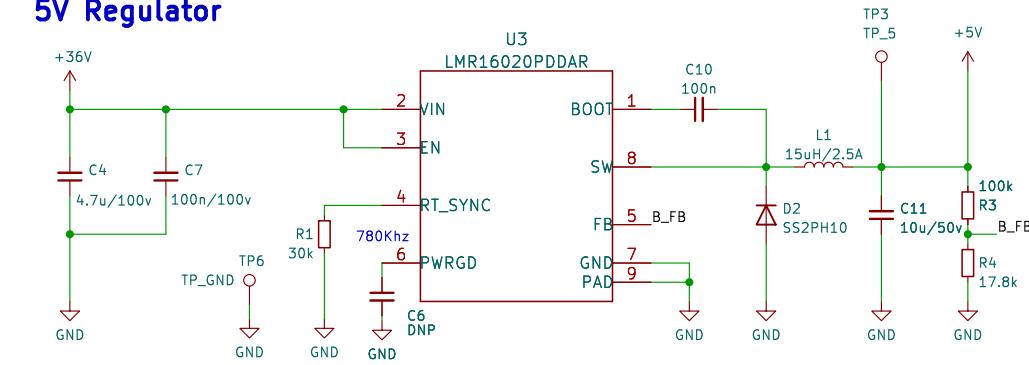
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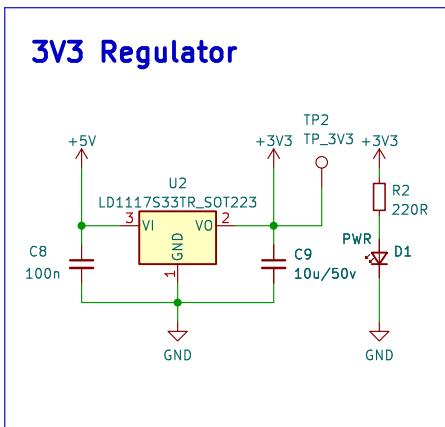
D

D

### 5V Regulator



### 3V3 Regulator



Yaseen M. Twati

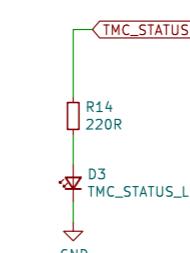
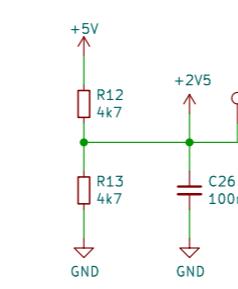
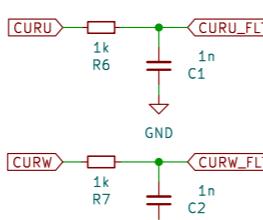
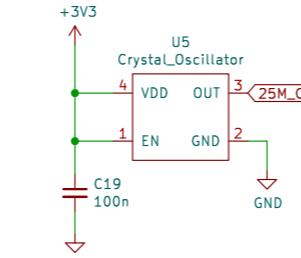
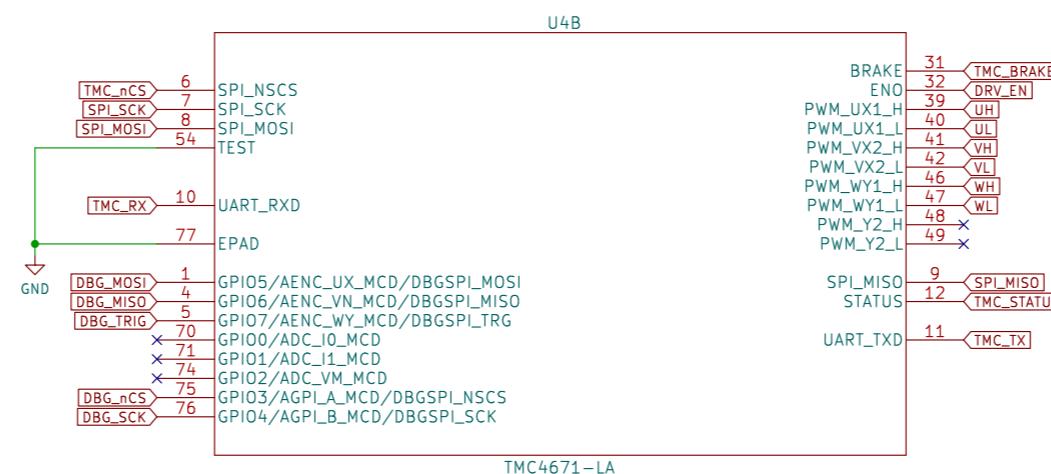
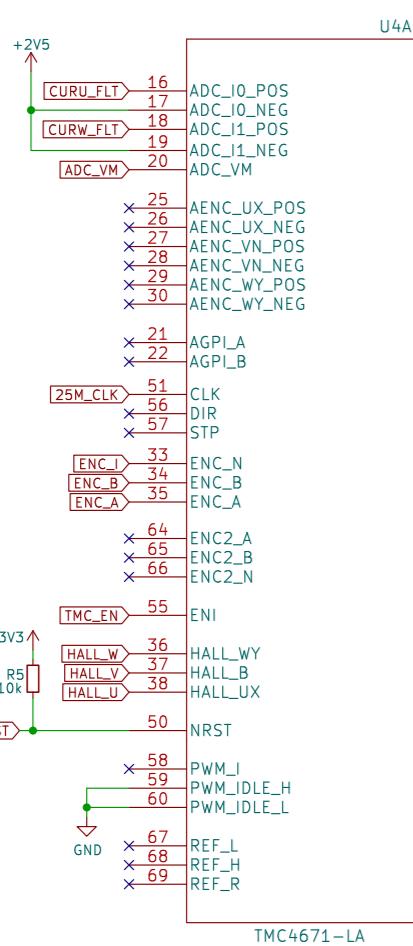
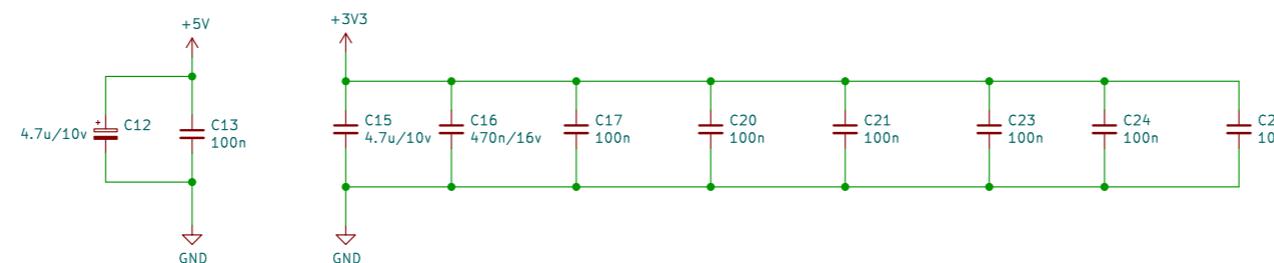
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Title: Thunder4671

Size: A4 Date: 2023-02-07  
KiCad E.D.A. 9.0.6

Rev: V1.0  
Id: 2/6

# TMC4671 FOC Controller



Yaseen M. Twati  
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File: TMC4671.kicad\_sch

**Title: Thunder4671**

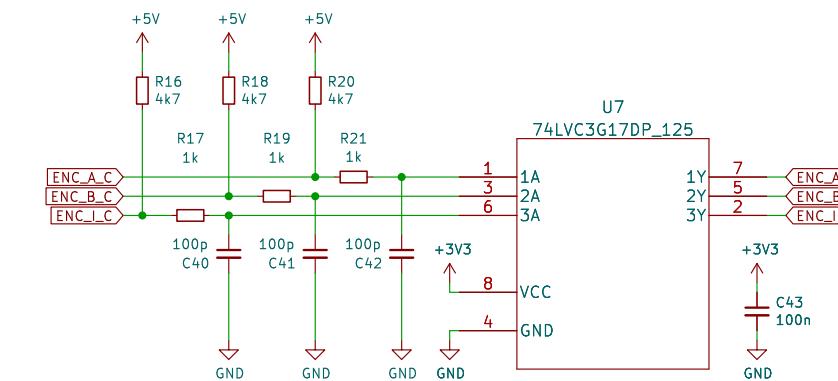
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KiCad E.D.A. 9.0.6

Rev: V1.0 | Id: 3/6

1 2 3 4 5 6

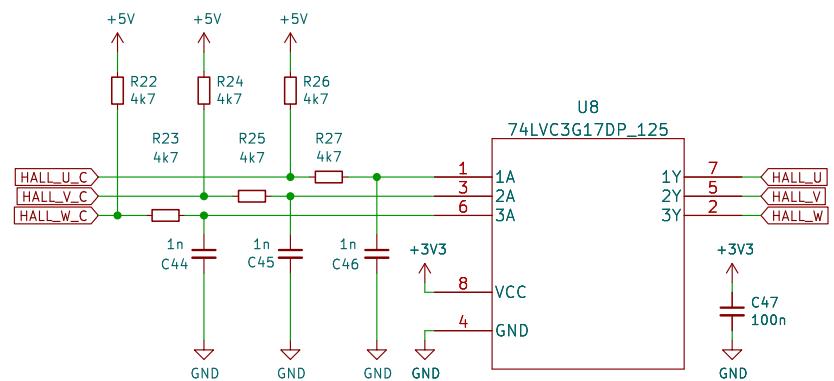
## HALL / ENCODER

A



Encoder

B



Hall Sensor

C

Yaseen M. Twati

Sheet: /Hall & Encoder/  
File: Hall\_Encoder.kicad\_sch

Title: Thunder4671

Size: A4 Date: 2023-02-07  
KiCad E.D.A. 9.0.6

Rev: V1.0  
Id: 5/6

1 2 3 4 5 6

## Connectors

A

B

C

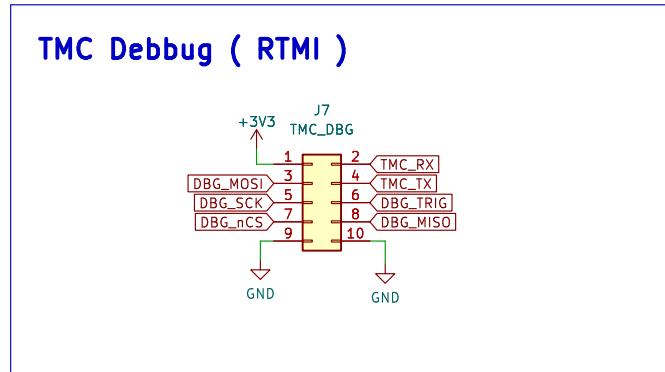
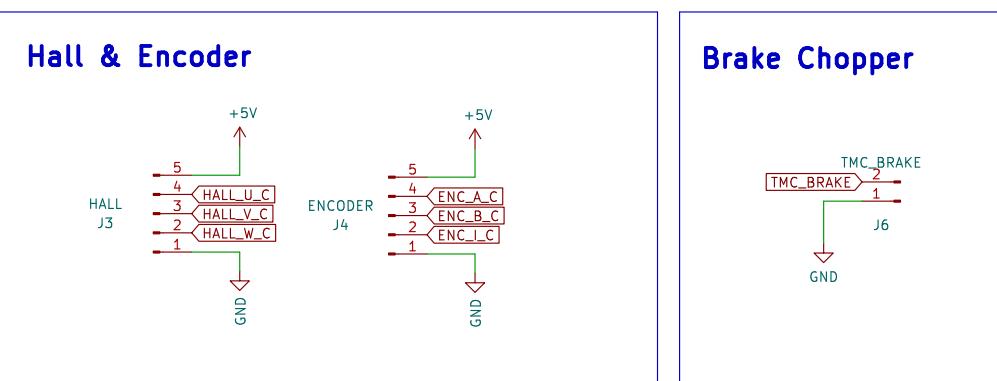
D

A

B

C

D



Yaseen M. Twati

Sheet: /Connectors/  
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Title: Thunder4671

Size: A4 Date: 2023-02-07  
KiCad E.D.A. 9.0.6

Rev: V1.0  
Id: 6/6

1 2 3 4 5 6

## Misc & Extra

A

A

B

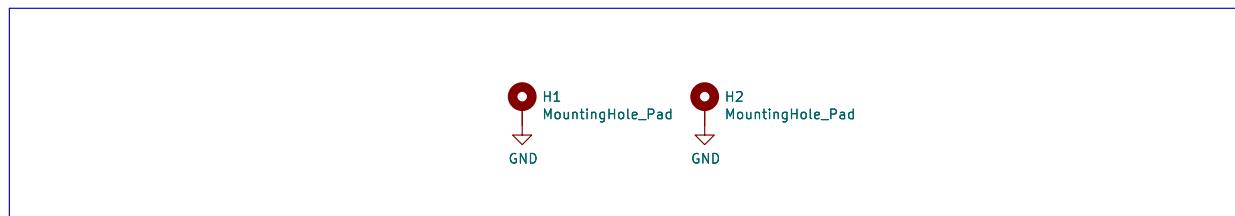
B

C

C

D

D



**Mounting Holes**

**Yaseen M. Twati**

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

**Title: Thunder4671**

Size: A4 Date: 2023-02-07  
KiCad E.D.A. 9.0.6

**Rev: V1.0**  
Id: 7/6

1 2 3 4 5 6