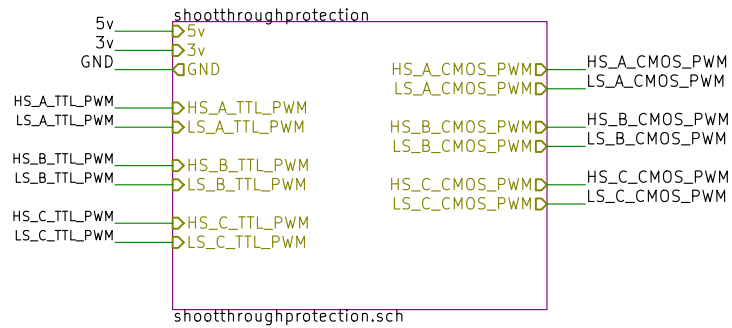
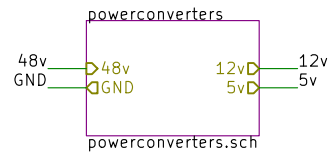
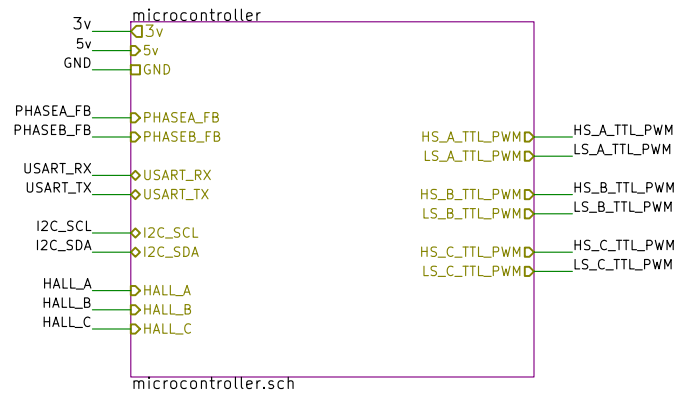
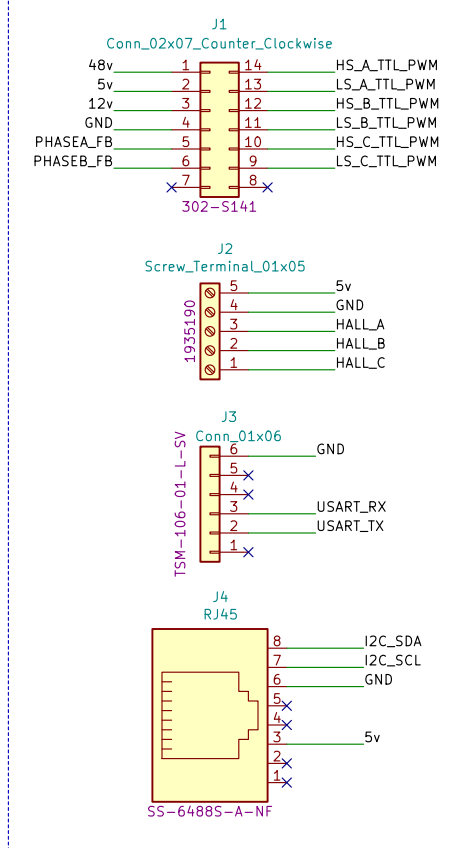


## Connections



## Mounting\_Holes



**Loma Inrocorated**

Sheet: /

File: control\_v1.sch

**Title: Brushless DC Motor Controller**

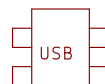
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KiCad E.D.A. kicad 5.0.0-fee4fd165ubuntu17.10.1

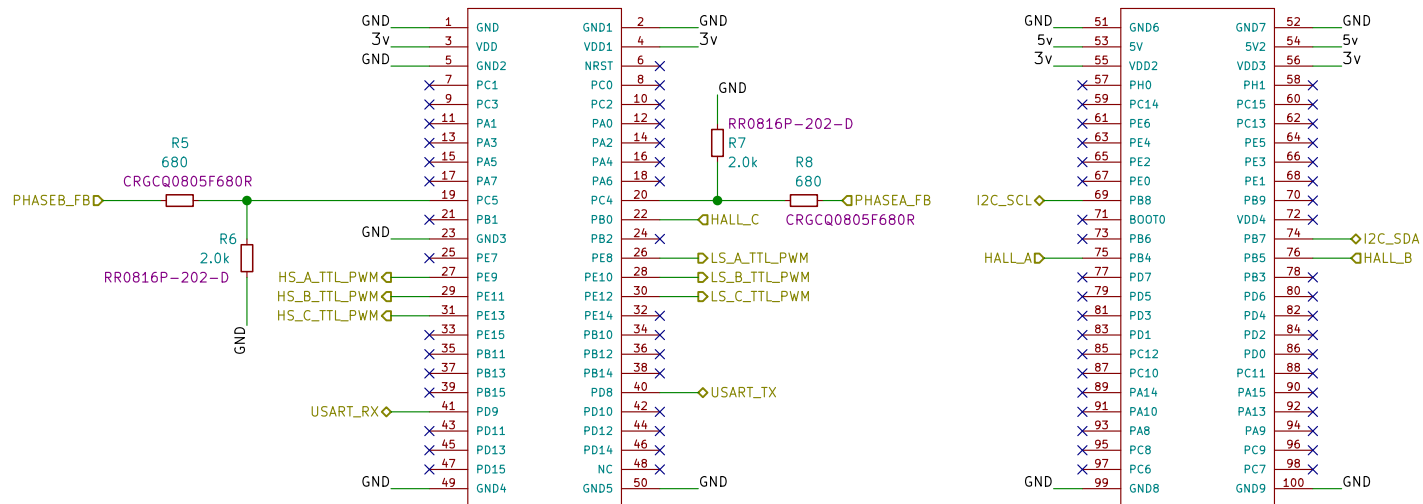
**Rev: 1**

Id: 1/4

# STM32F4-DISCOVERY BREAKOUT



GND GND  
5v 5v  
3v 3v



STM uses 2x25 0.1" female headers on each side  
PN: NPPC252KFMS-RC

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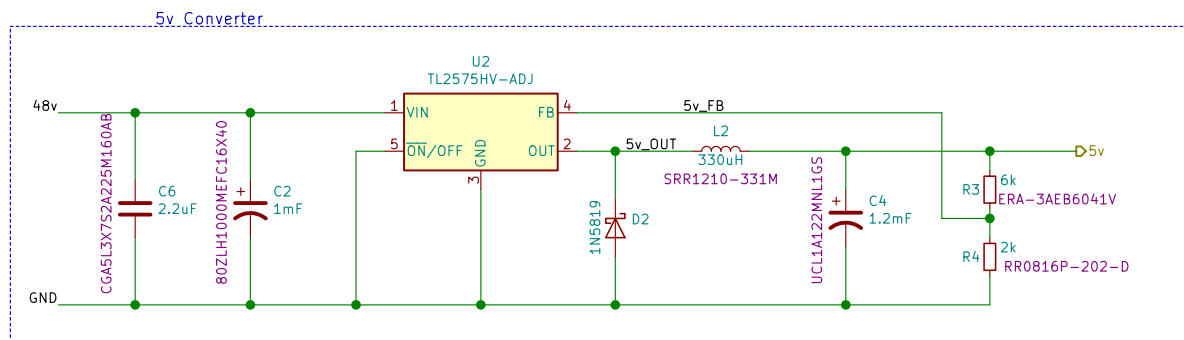
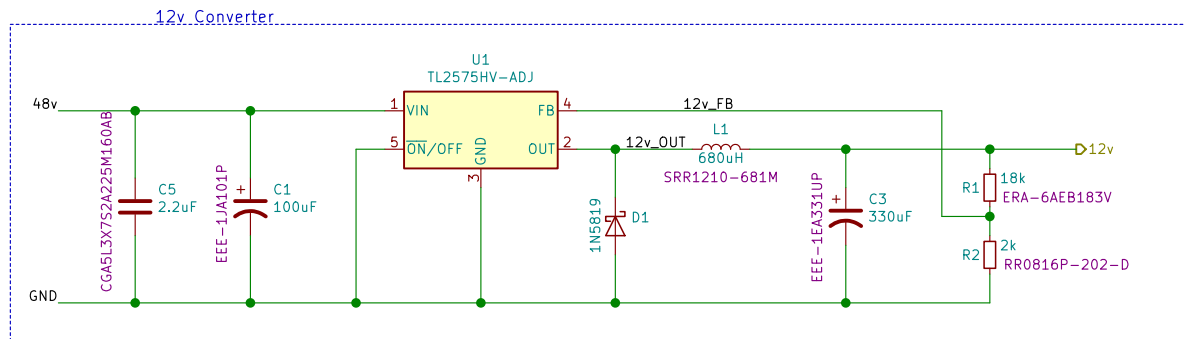
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**Title: Brushless DC Motor Controller**

Size: A4 Date: 2019-02-07  
KiCad E.D.A. kicad 5.0.0-fee4fd165ubuntu17.10.1

Rev: 1  
Id: 2/4

48v  48v  
GND  GND



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Sheet: /powerconverters/  
File: powerconverters.sch

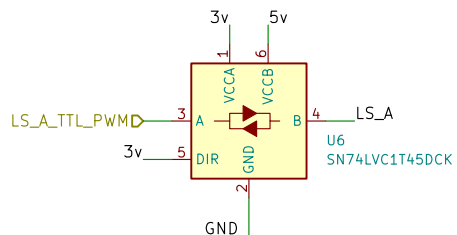
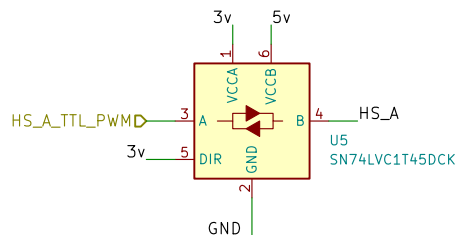
**Title: Brushless DC Motor Controller**

Size: A4 Date: 2019-02-07  
KiCad E.D.A. kicad 5.0.0-fee4fd165ubuntu17.10.1

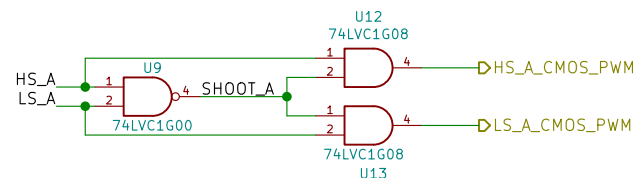
Rev: 1  
Id: 3/4

5v 5v  
GND GND  
3v 3v

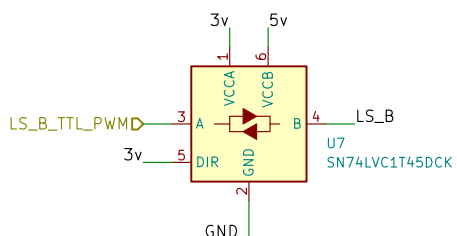
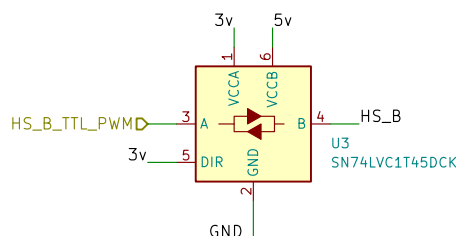
#### Phase A Translators



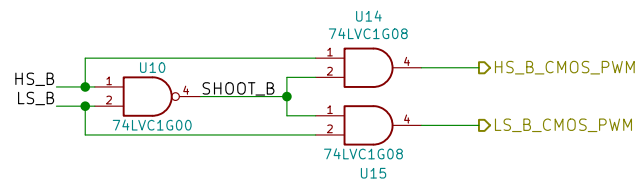
#### Phase A Shoot Through Protection



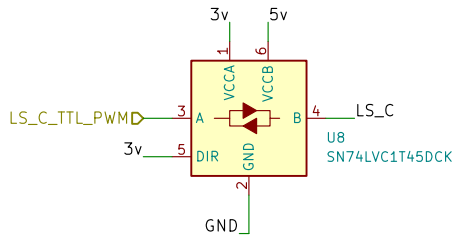
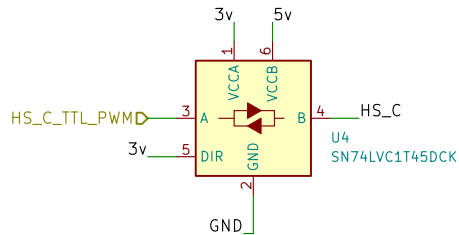
#### Phase B Translators



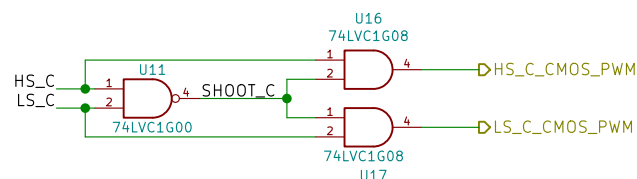
#### Phase B Shoot Through Protection



#### Phase C Translators



#### Phase C Shoot Through Protection



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Sheet: /shootthroughprotection/  
File: shootthroughprotection.sch

**Title: Brushless DC Motor Controller**

Size: A4

Date: 2019-02-07

Rev: 1

KiCad E.D.A. kicad 5.0.0-fee4fd165ubuntu17.10.1

Id: 4/4