

Controller CAN Bus

Sheet: PSU

File: PSU.sch

Sheet: Connectors

File: Connectors.sch

Sheet: IO

File: IO.sch

Sheet: Motor Drive

File: Motor\_Drive.sch

Sheet: PWM\_Drivers

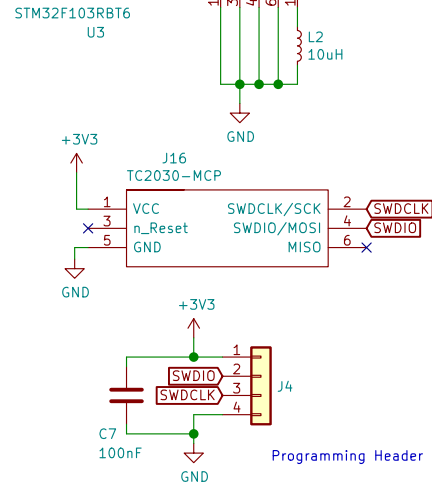
File: PWM\_Drivers.sch

Sheet: EVSE\_Fault\_Signals

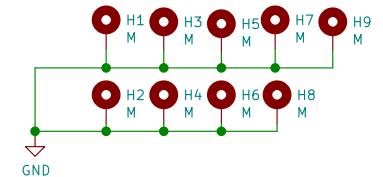
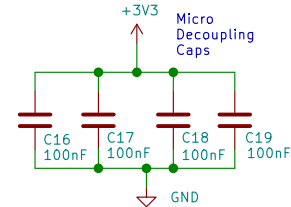
File: EVSE\_Signals.sch

Sheet: Charger Control

File: Charger\_Control.sch



Programming Header



Openinverto.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /  
File: DC\_Controller\_STM32.sch

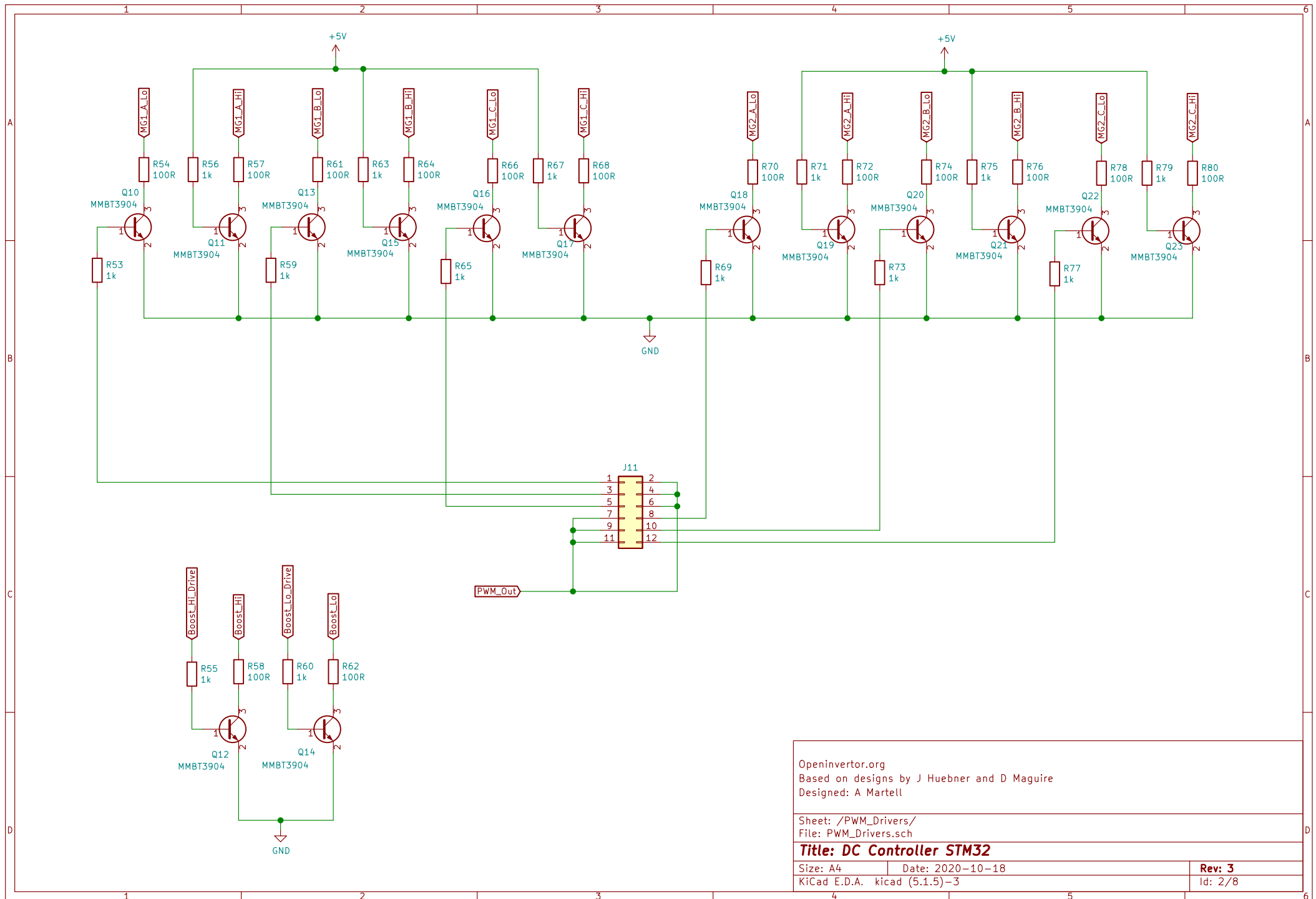
**Title: DC Controller STM32**

Size: A4 Date: 2020-10-18

KiCad E.D.A. kicad (5.1.5)-3

Rev: 3

Id: 1/8



Openinvector.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /PWM\_Drivers/  
File: PWM\_Drivers.sch

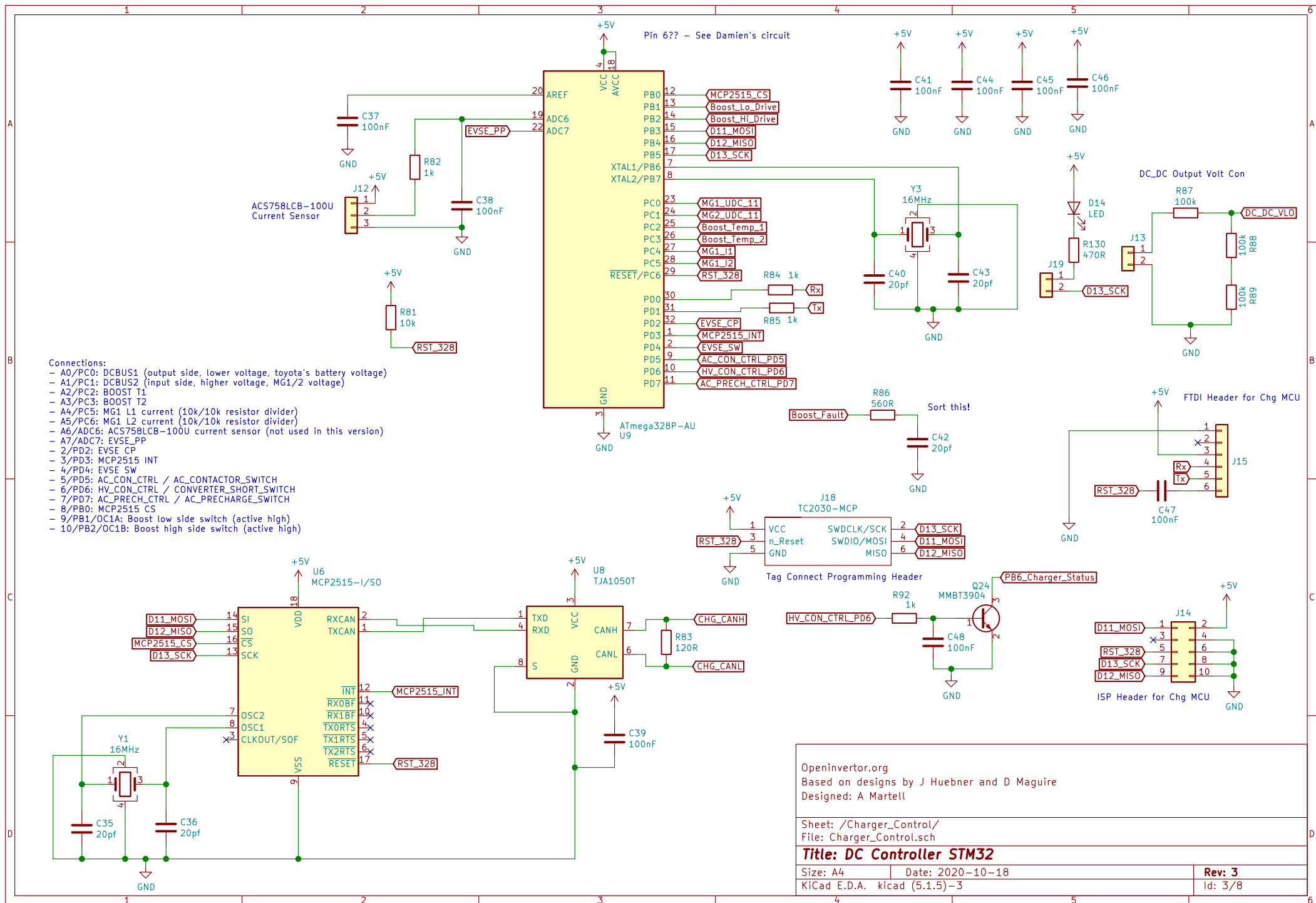
### Title: DC Controller STM32

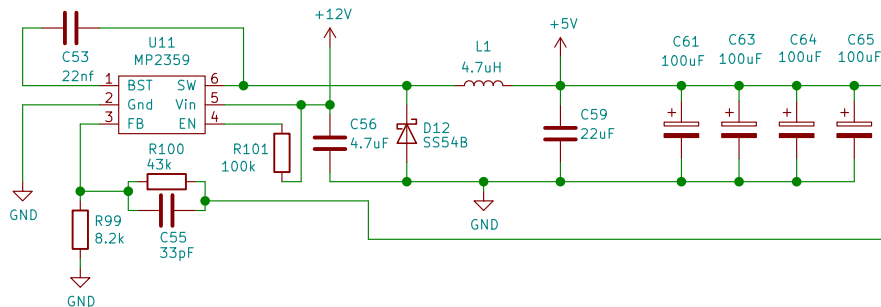
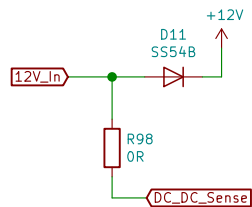
Size: A4 Date: 2020-10-18

KiCad E.D.A. kicad (5.1.5)-3

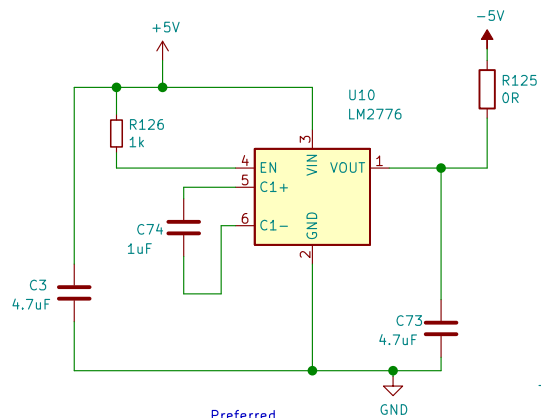
Rev: 3

Id: 2/8

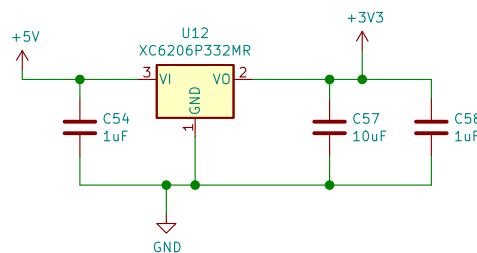




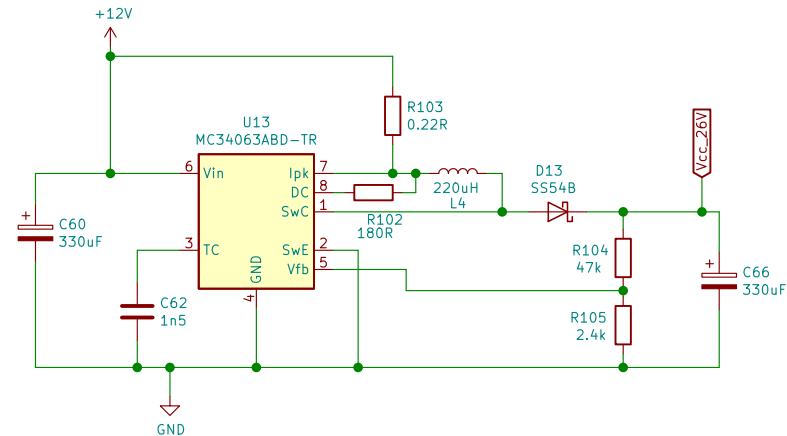
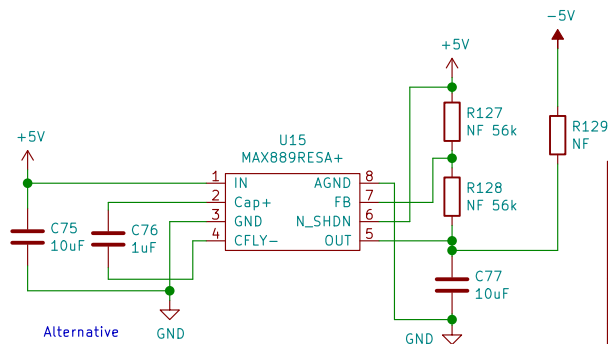
Power Supplies



Preferred



Alternative



Openinverto.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /PSU/  
File: PSU.sch

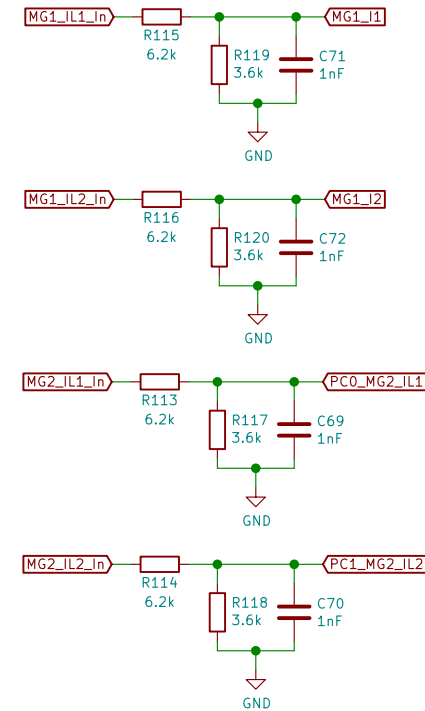
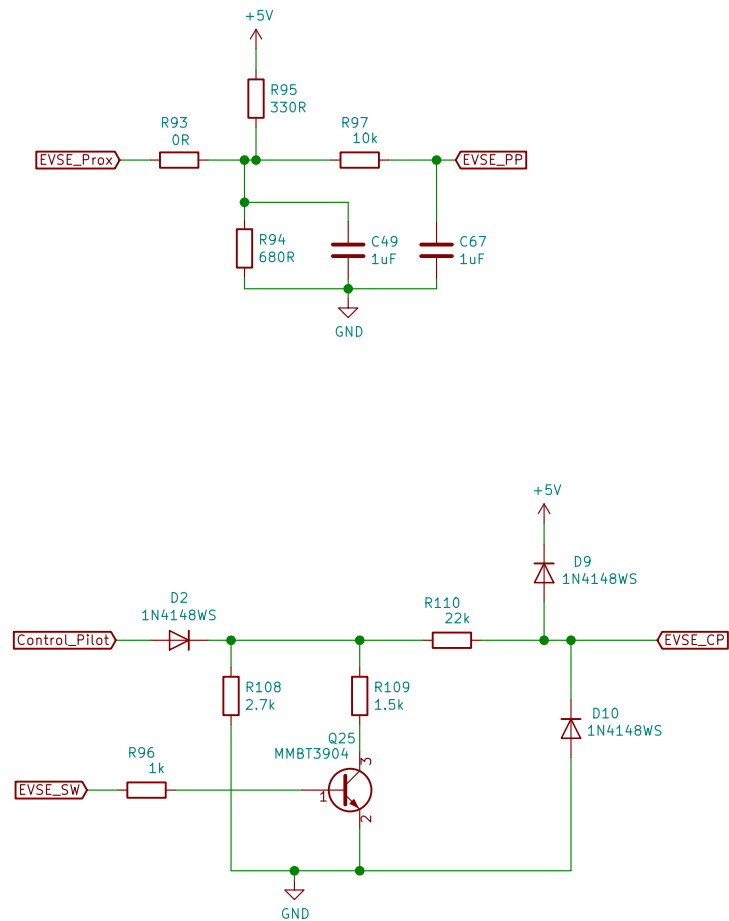
**Title: DC Controller STM32**

Size: A4  
KiCad E.D.A. kicad (5.1.5)-3

Date: 2020-10-18

Rev: 3

Id: 4/8



Openinverter.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /EVSE\_Fault\_Signals/  
File: EVSE\_Signals.sch

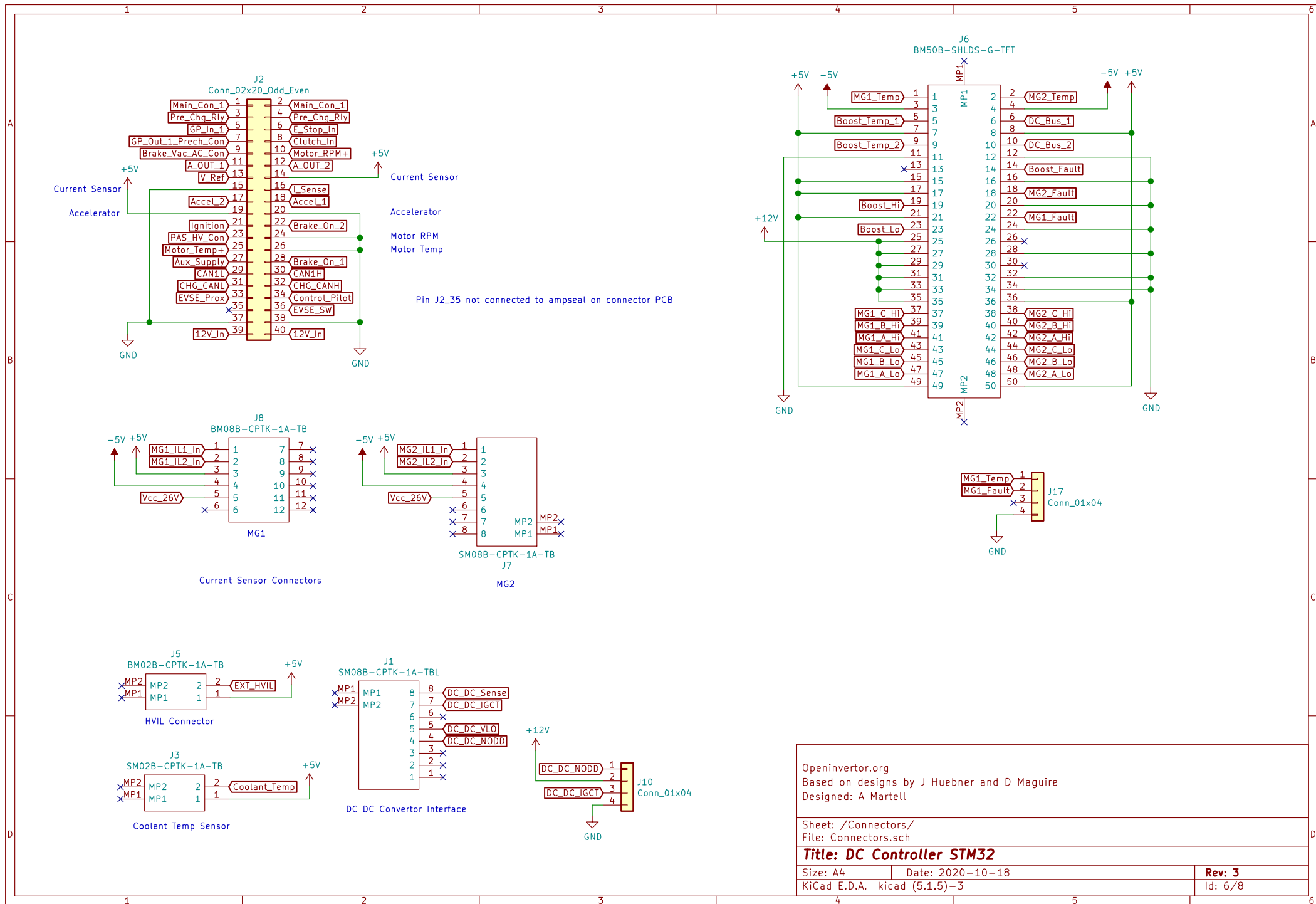
**Title: DC Controller STM32**

Size: A4 Date: 2020-10-18

KiCad E.D.A. kicad (5.1.5)-3

**Rev: 3**

Id: 5/8



Openinverter.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /Connectors/  
File: Connectors.sch

### Title: DC Controller STM32

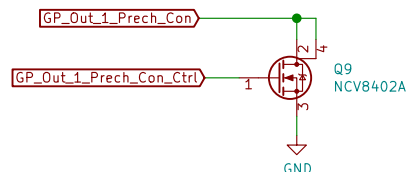
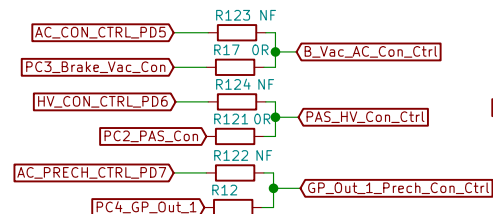
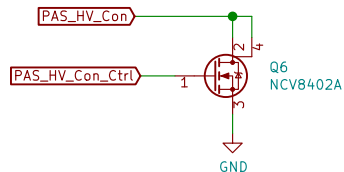
Size: A4 Date: 2020-10-18

KiCad E.D.A. kicad (5.1.5)-3

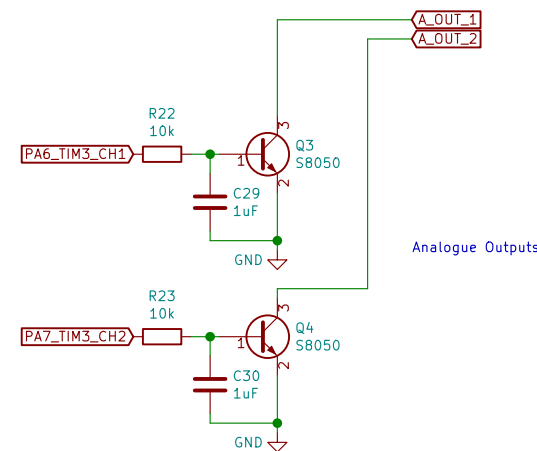
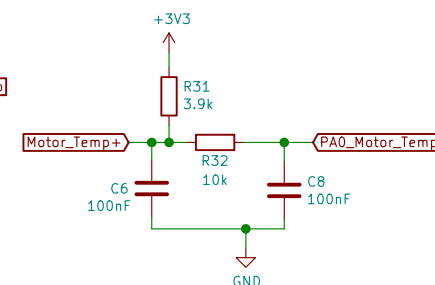
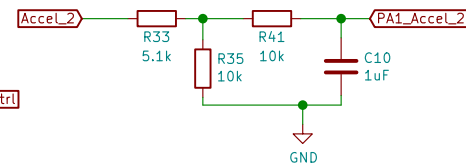
Rev: 3

Id: 6/8

## 12V Digital Inputs

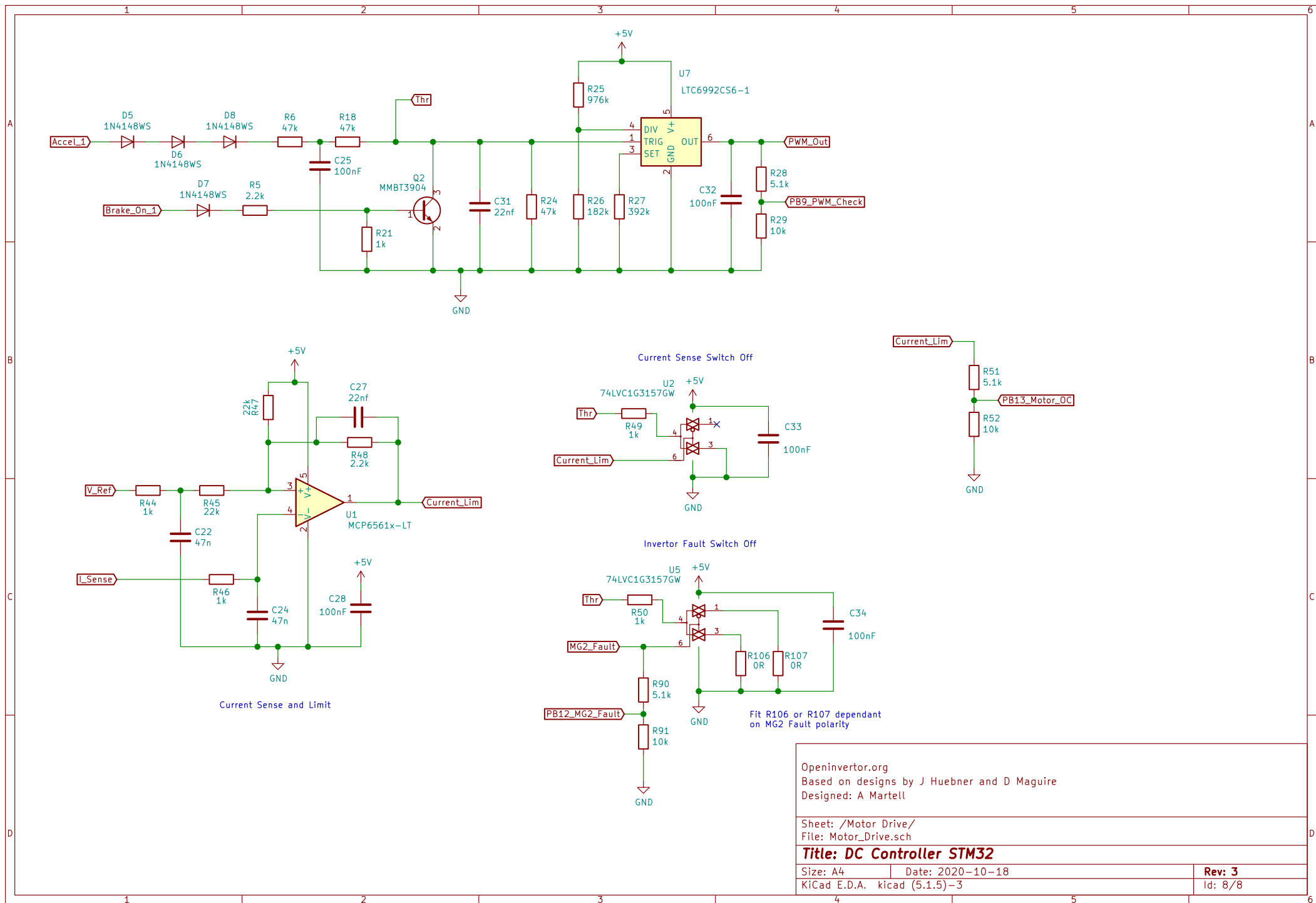


## Digital Outputs



## Analogue Outputs

Id: 7/8



Openinverter.org  
Based on designs by J Huebner and D Maguire  
Designed: A Martell

Sheet: /Motor Drive/  
File: Motor\_Drive.sch

**Title: DC Controller STM32**

Size: A4 Date: 2020-10-18

KiCad E.D.A. kicad (5.1.5)-3

Rev: 3

Id: 8/8