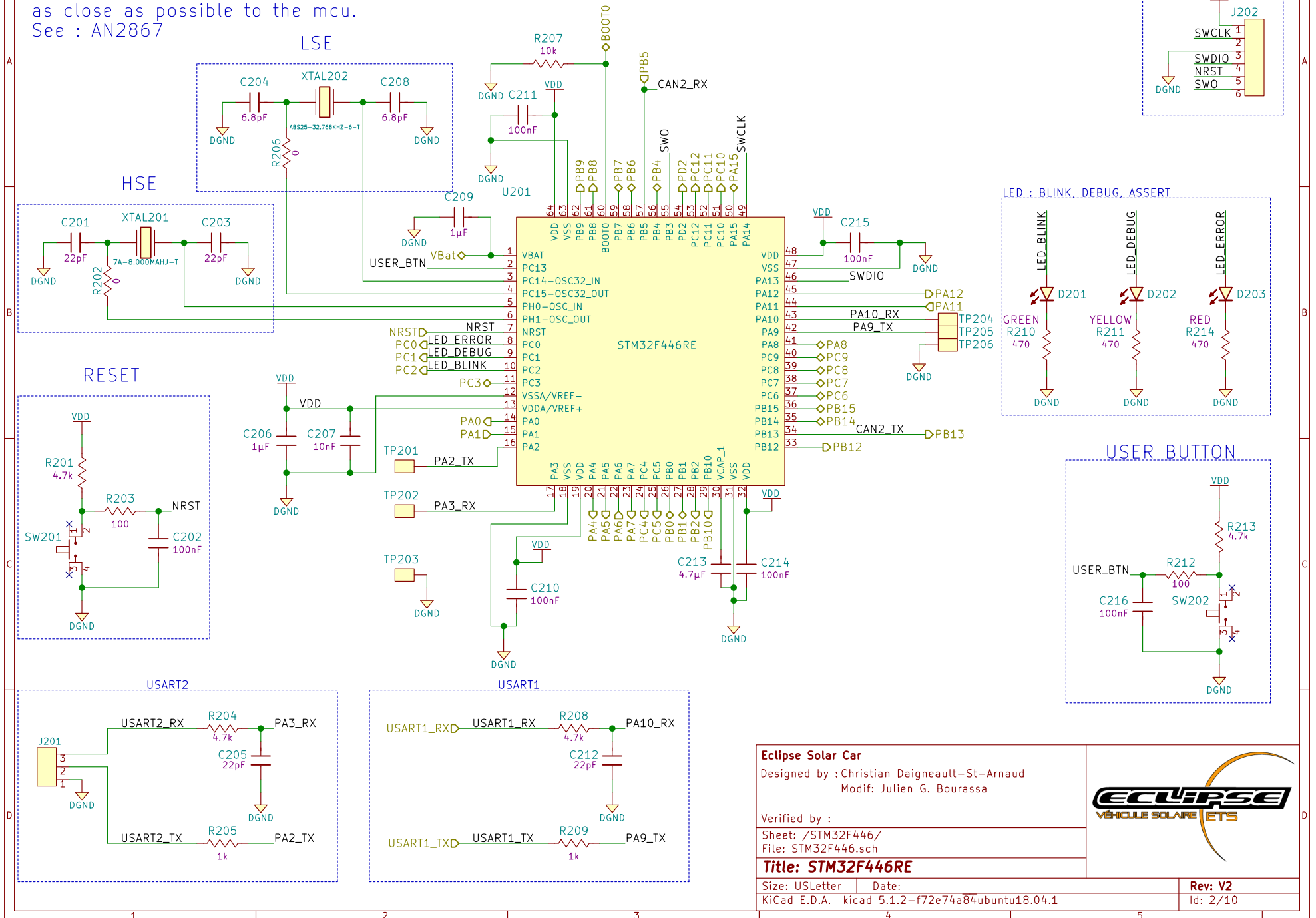


HSE AND LSE need to be routed as close as possible to the mcu.  
See : AN2867



#### Eclipse Solar Car

Designed by : Christian Daigneault-St-Arnaud  
Modif: Julien G. Bourassa

Verified by :

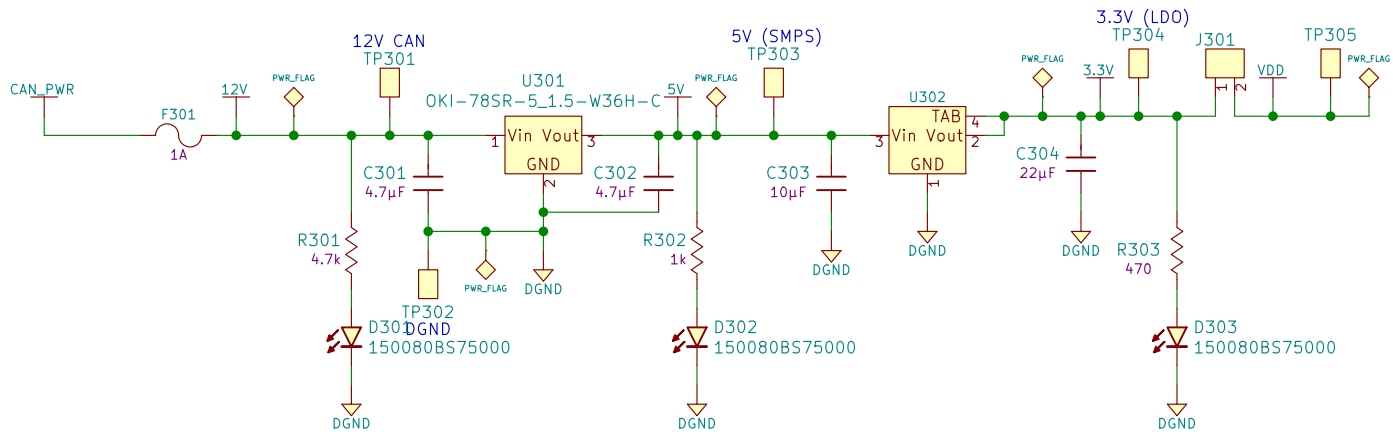
Sheet: /STM32F446/  
File: STM32F446.sch

**Title: STM32F446RE**

Size: USLetter Date:  
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1



Rev: V2  
Id: 2/10



# Eclipse Solar Car

Designed by : Christian Daigneault-St-Arnaud

Verified by :

Sheet: /Power Supply/

File: Power Supply.sch

## Title: Power Supply

Size: USLetter

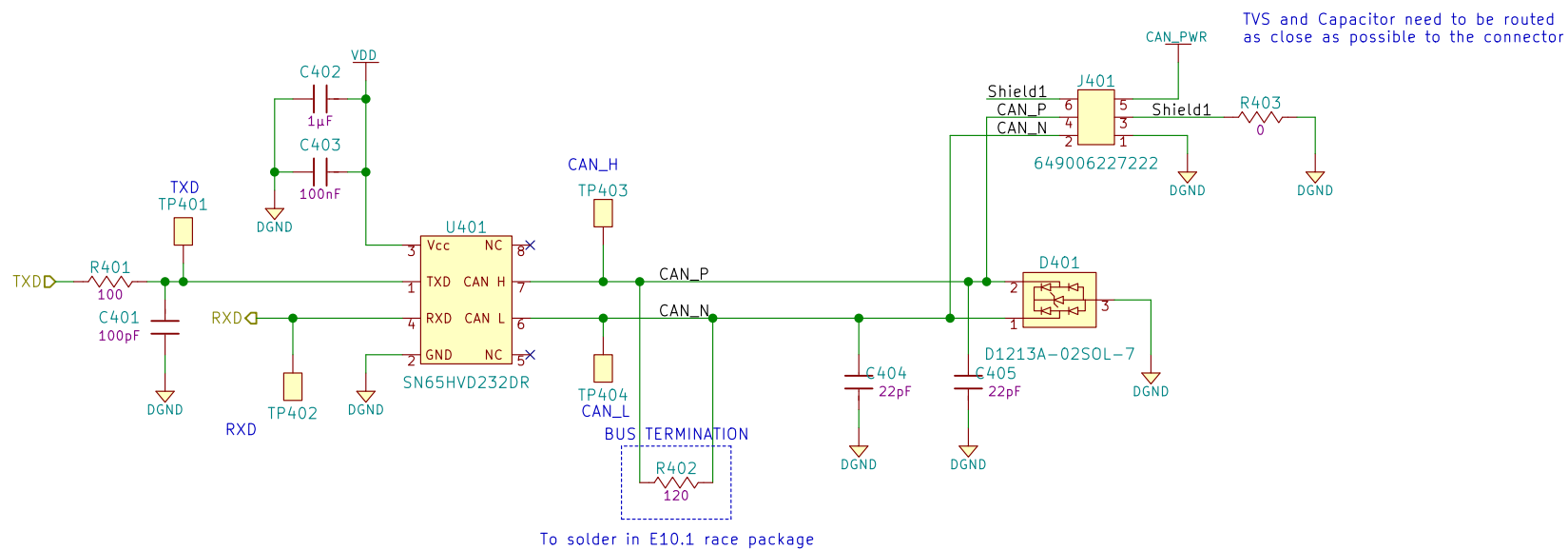
Date:

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1

Rev: V2

Id: 3/10





# Eclipse Solar Car

Designed by : Christian Daigneault-St-Arnaud  
Modif: Julien G. Bourassa

Verified by :

Sheet: /CAN1/  
File: CAN1.sch

**Title: CAN1**

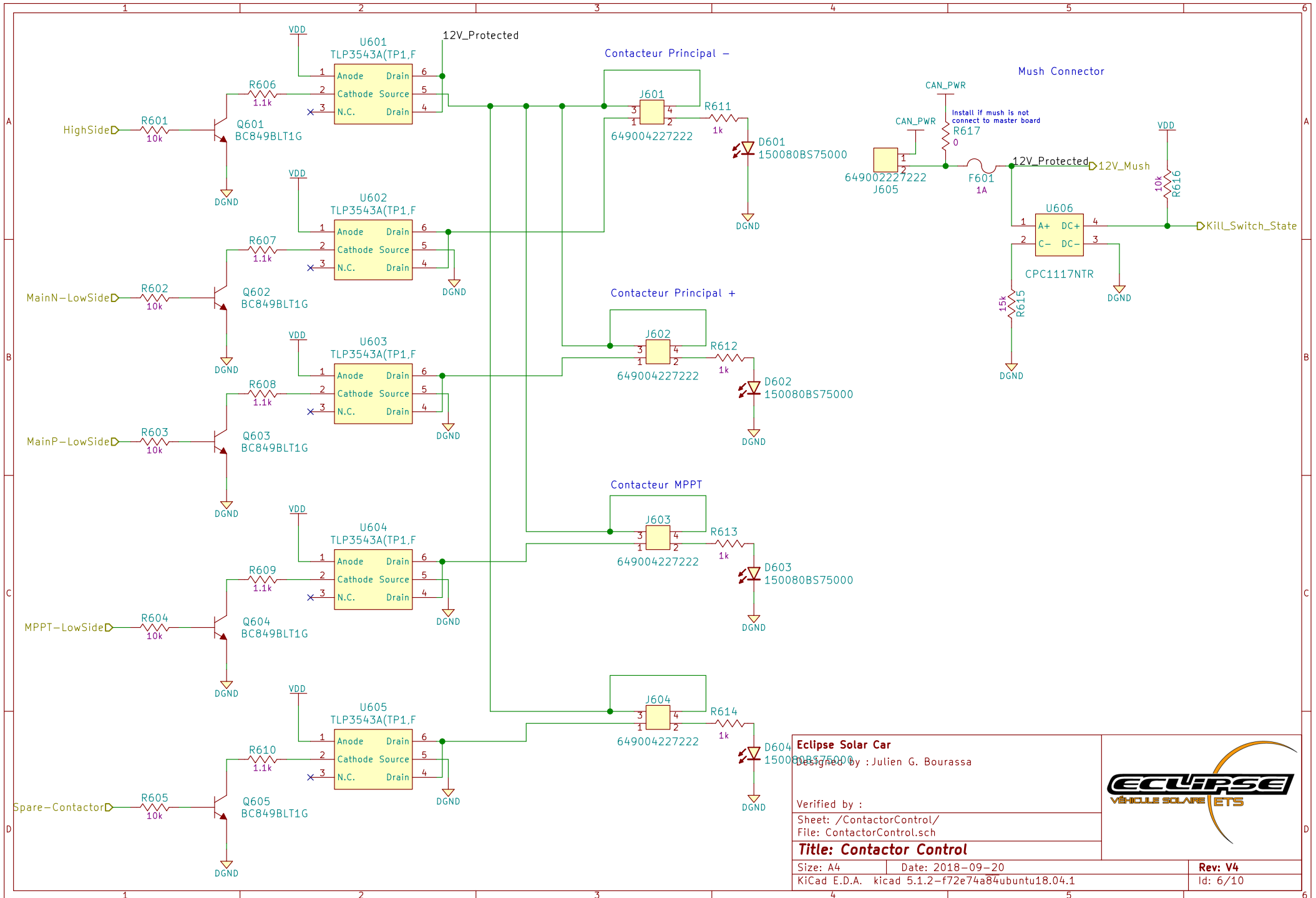
Size: USLetter Date: 2017-06-25  
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1



Rev: V2  
Id: 4/10



Note: Short female connector's pin 2 & 4 for interlock status.



**Eclipse Solar Car**  
Designed by : Julien G. Bourassa

Verified by :  
Sheet: /ContactorControl/  
File: ContactorControl.sch

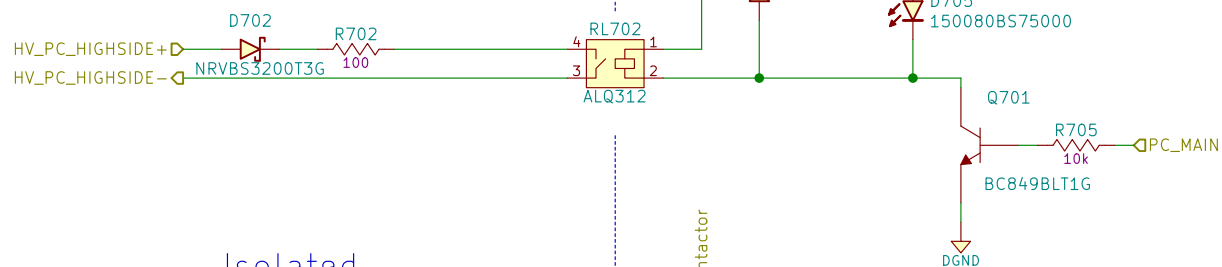
**Title: Contactor Control**

Size: A4 Date: 2018-09-20  
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1

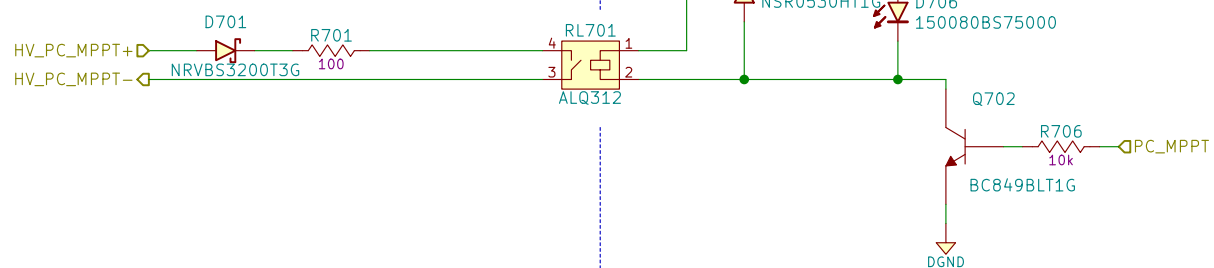


Rev: V4  
Id: 6/10

## Precharge Main Contactor



## Precharge MPPT Contactor



\*Note: Precharge resistor can be used with heatsink ATS-PCB1064 for 50W.

### Eclipse Solar Car

Designed by : Julien G. Bourassa

Verified by :

Sheet: /Precharge/

File: Precharge.sch

### Title: Precharge

Size: A4

Date: 2017-06-25

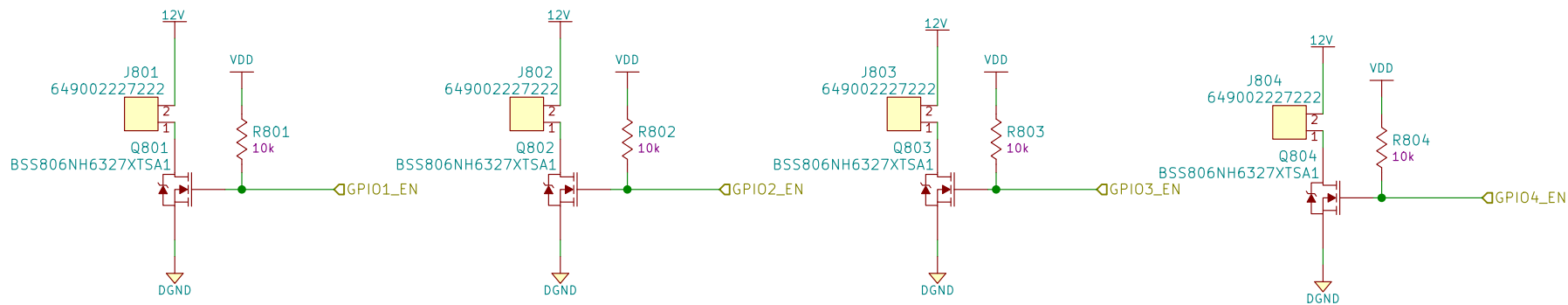
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1

Rev: V2

Id: 7/10



## Fan control circuit



### Eclipse Solar Car

Designed by : Pierre-Olivier Meilleur

Verified by :

Sheet: /Fan Control/  
File: Fan Control.sch

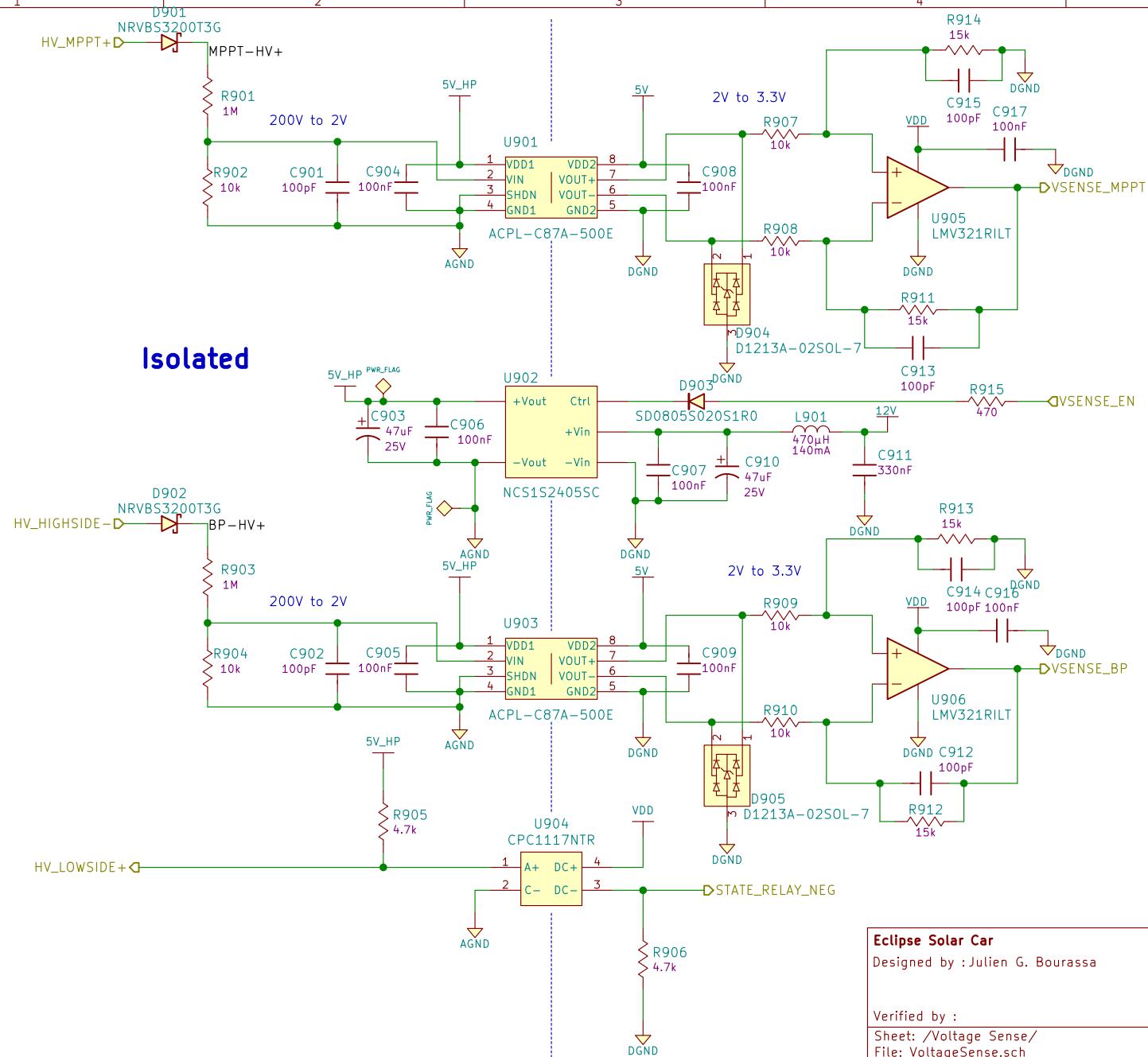
### Title: BMS\_MasterBoard\_Fan\_Control

Size: USLetter Date: 2018-09-20  
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1



Rev: V2  
Id: 8/10





# Eclipse Solar Car

Designed by : Julien G. Bourassa

Verified by :

Sheet: /Voltage Sense/

File: VoltageSense.sch

## Title: Voltage Sense

Size: A4

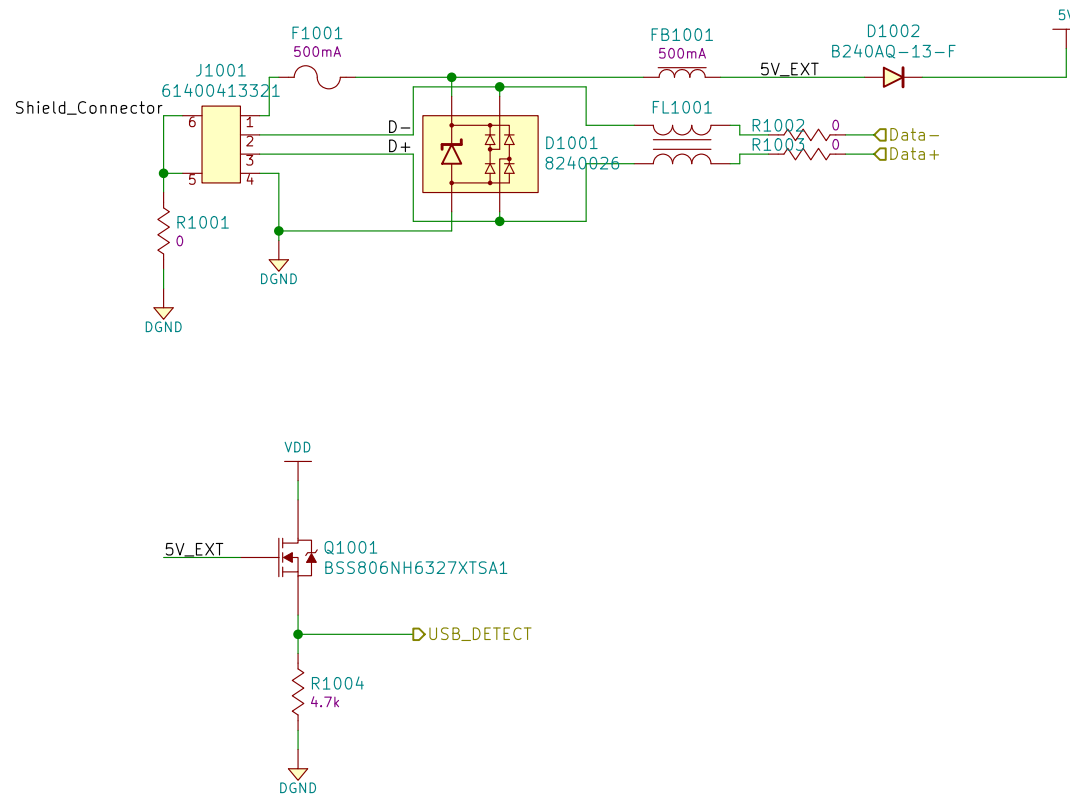
Date: 2017-06-25

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1

Rev: V2

Id: 9/10





Designed by :

Verified by :

Sheet: /USB/  
File: USB.sch

**Title:**

Size: A4

Date:

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu18.04.1

**Rev:**

Id: 10/10

