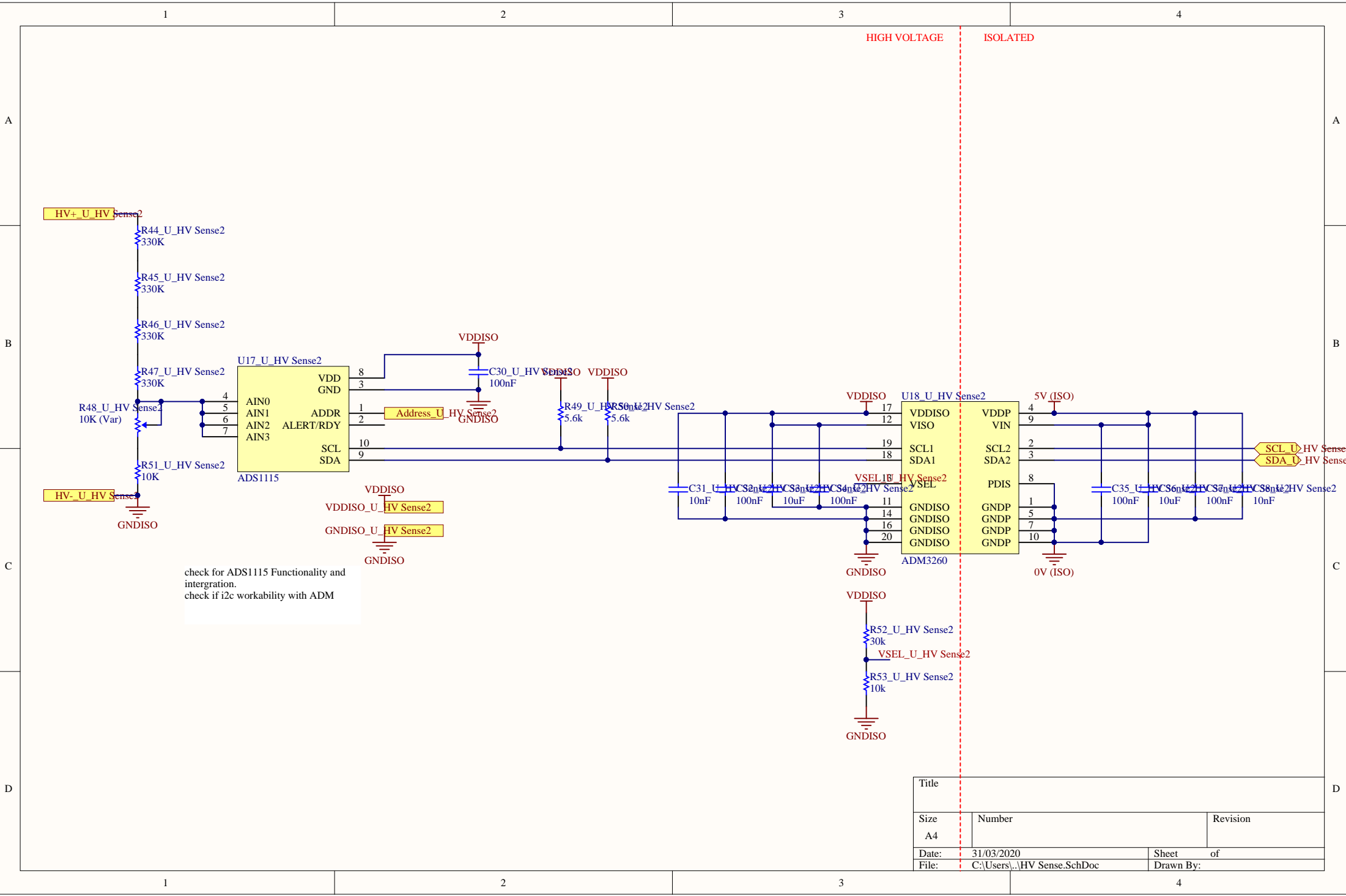


check for ADS1115 Functionality and
intergration.
check if i2c workability with ADM

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File:	C:\Users\...\HV Sense.SchDoc	Drawn By:



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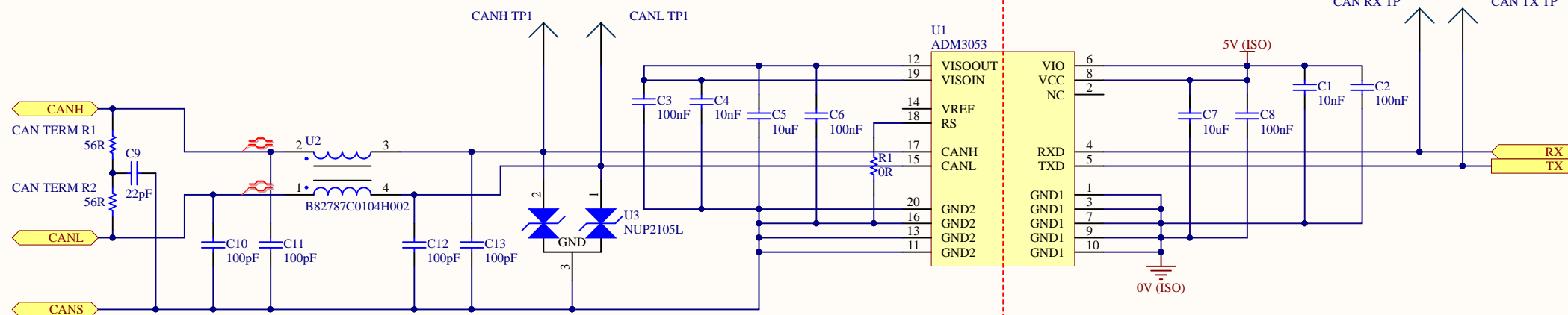
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VEHICLE

ISOLATED

POWER CONSUMPTION
650mW: CAN ISOLATOR

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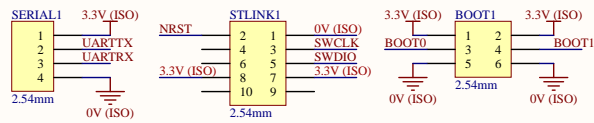
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Instructions to Use PLATFORMIO & STLINK

platformio.ini
For use with Arduino Environment
[env:genericSTM32F103R8]
platform = stm32
board = genericSTM32F103C8
framework = arduino
upload_protocol = stlink

BOOT JUMPER POSITIONS

	BOOT1	BOOT0
User Flash	X	0
System (Bootloader)	0	1
Embedded SRAM	1	1

ST-LINK

For all operations, use the select the bootloader, then reset the device.

Example Code

```
#include "Arduino.h"

#define LED_BUILTIN PC13
USBSerial usb;

void setup()
{
  pinMode(LED_BUILTIN, OUTPUT);
  Serial.begin(9600);
  usb.begin(9600);
}

void loop()
{
  digitalWrite(LED_BUILTIN, HIGH);
  Serial.println("Serial LED OFF");
  usb.println("usb LED OFF");

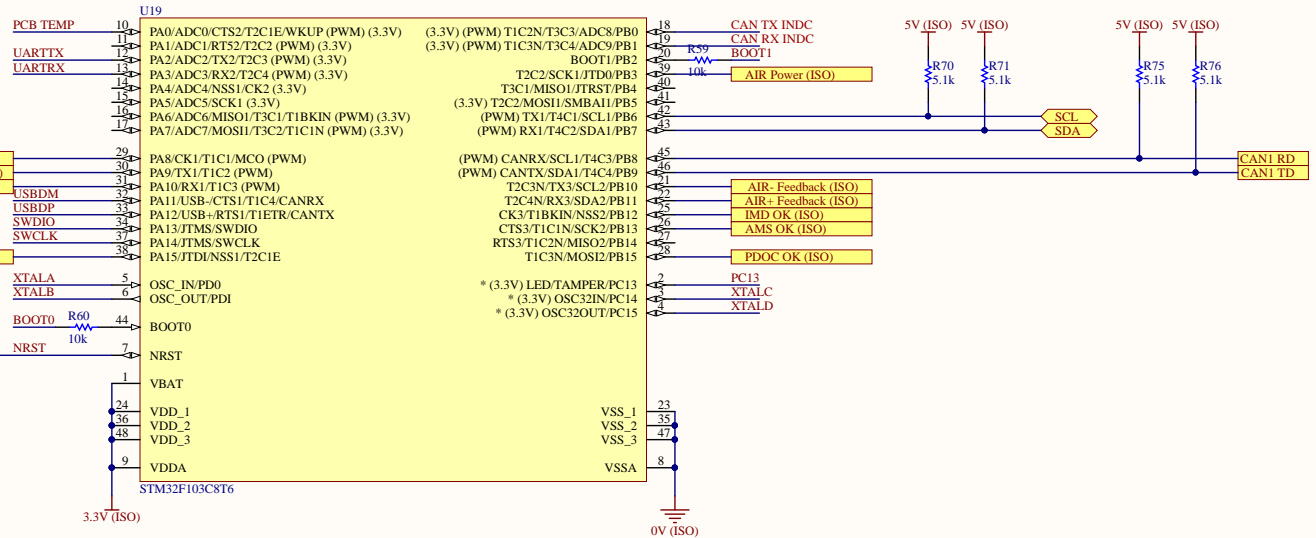
  delay(1000);

  digitalWrite(LED_BUILTIN, LOW);
  Serial.println("Serial LED ON");
  usb.println("usb LED ON");

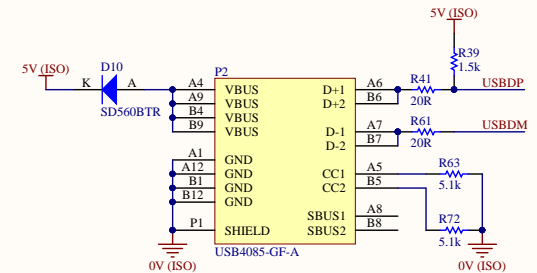
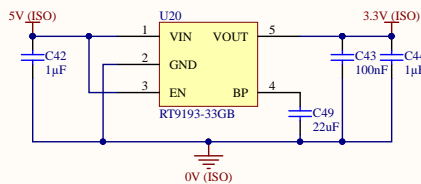
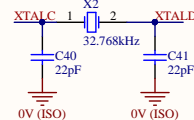
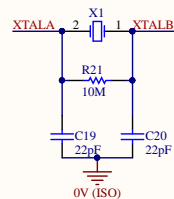
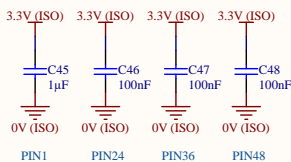
  delay(1000);
}
```

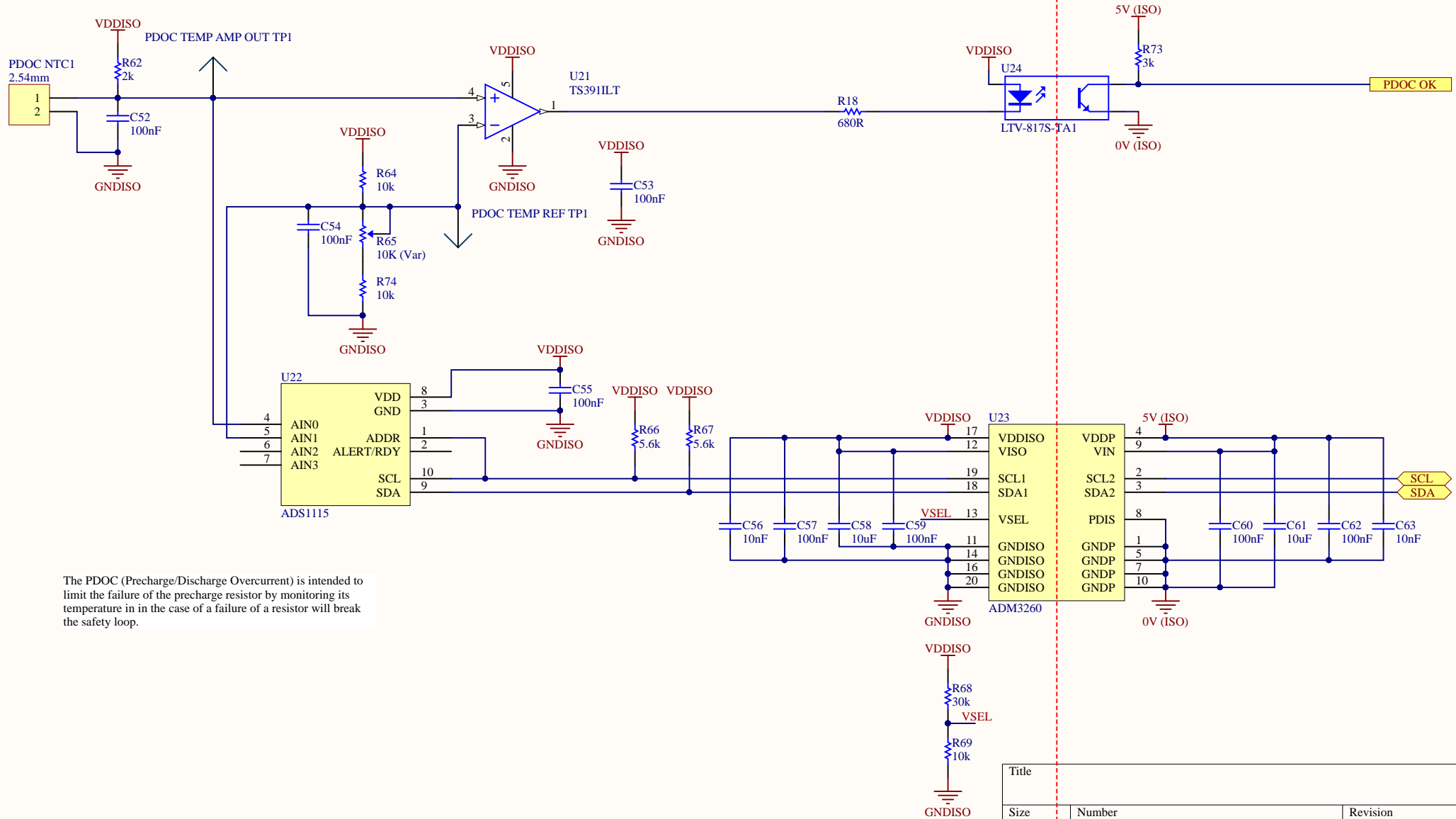
<https://www.shorinotes.com/2017/06/how-to-use-platformio-to-develop-for.html>
<https://www.onetransistor.eu/2018/09/stm32-bluepill-dev-mbed-platformio-vscode.html>

C

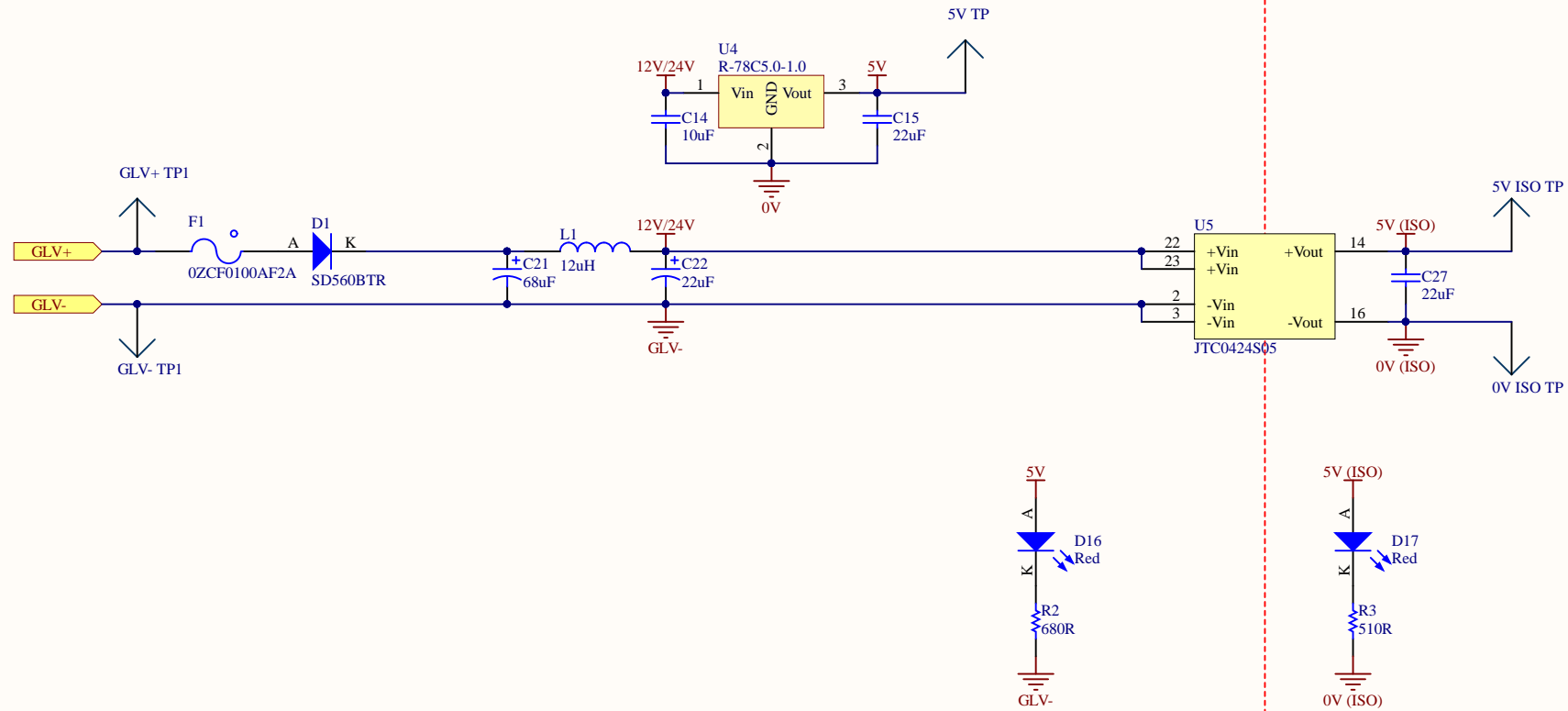


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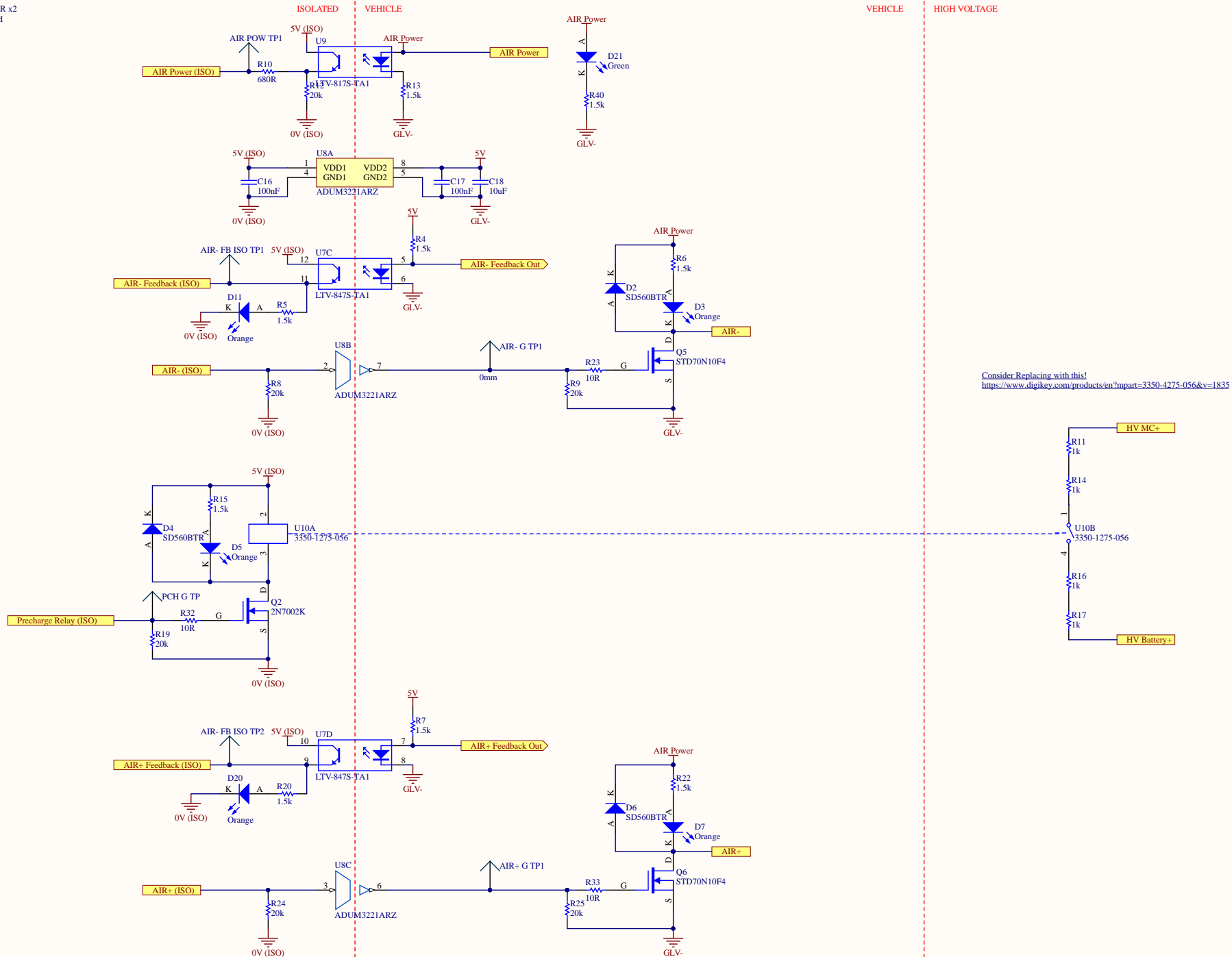


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18mW: GATE DRIVER x2
0.6W: REED SWITCH



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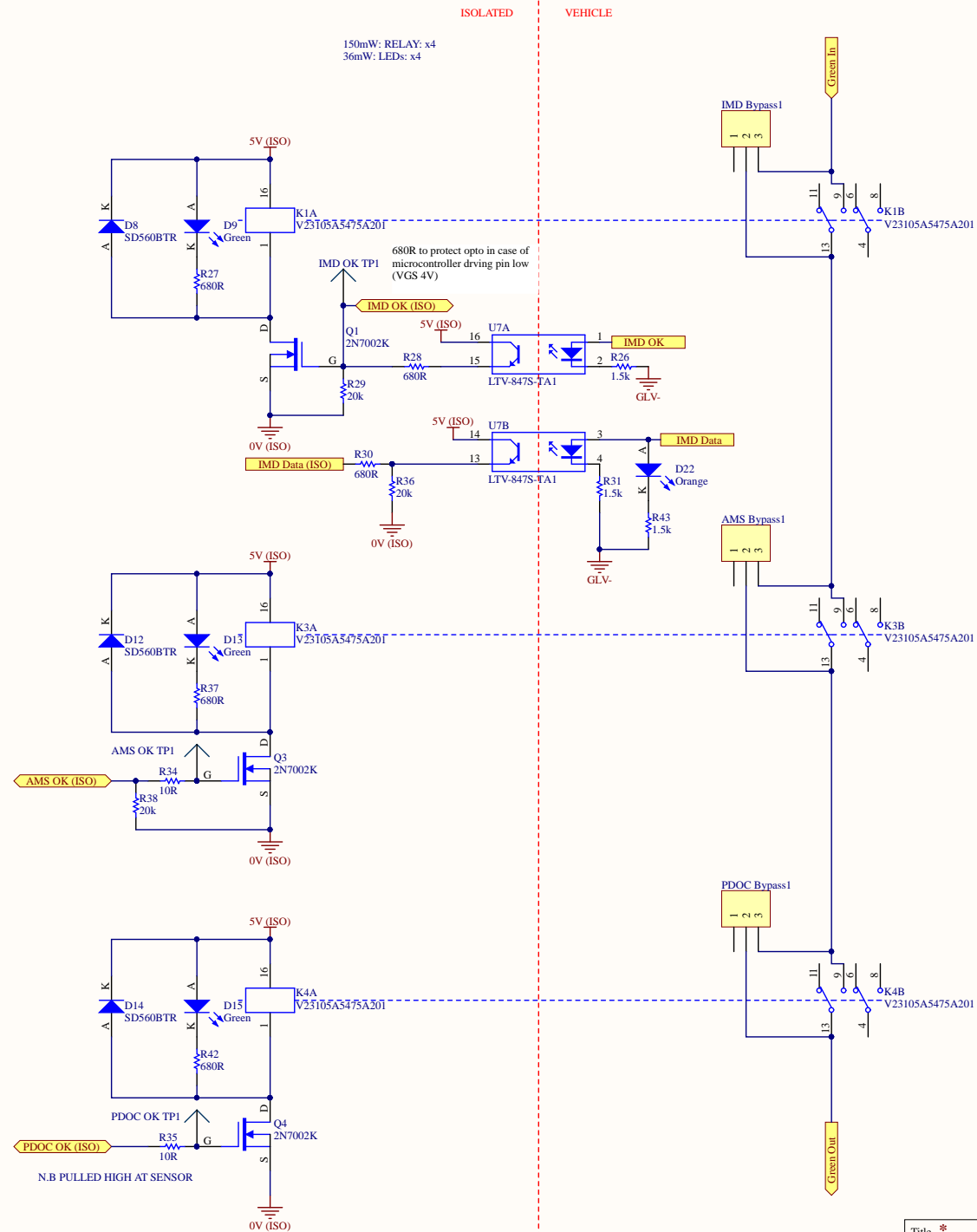
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