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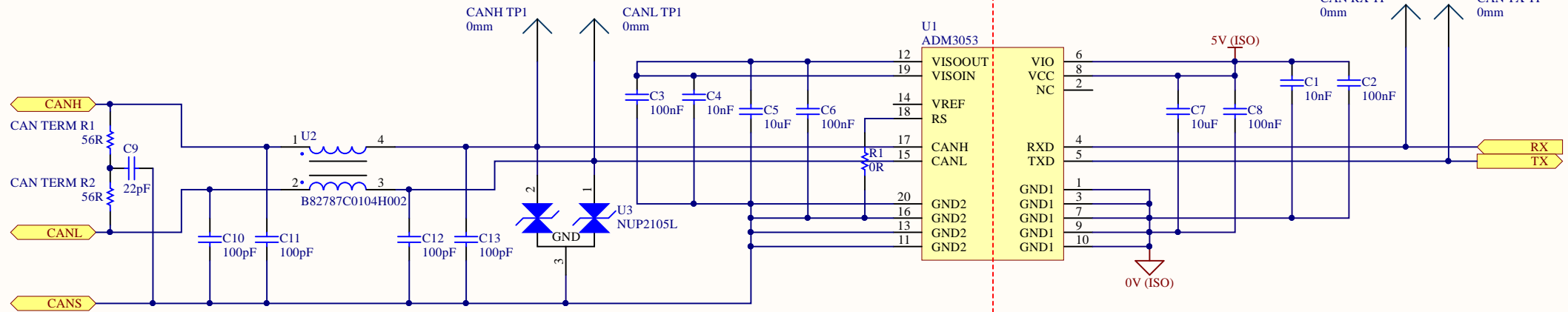
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VEHICLE

ISOLATED
POWER CONSUMPTION
650mW: CAN ISOLATOR



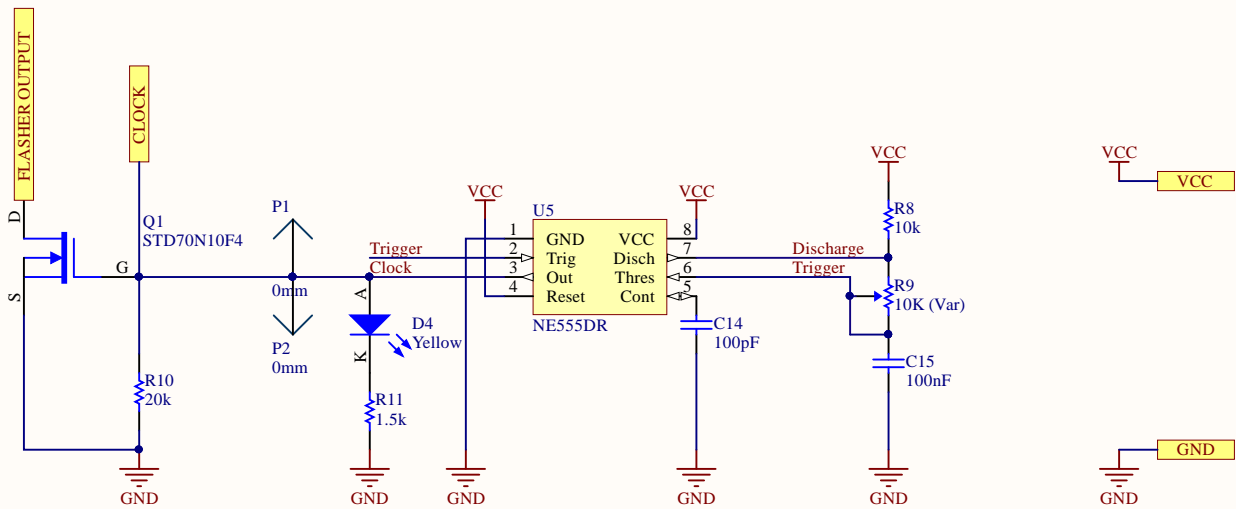
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Date:	12/02/2020	Sheet of
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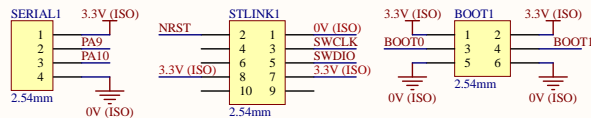
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Instructions to Use PLATFORMIO & STLINK
platformio.ini
For use with Arduino Environment
[env:genericSTM32F103R8]
platform = ststm32
board = genericSTM32F103C8
framework = arduino
upload_protocol = stlink

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);
}

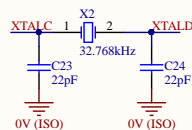
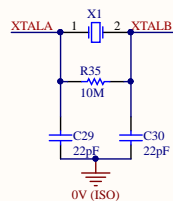
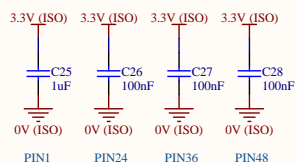
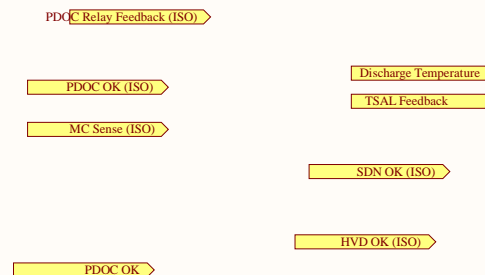
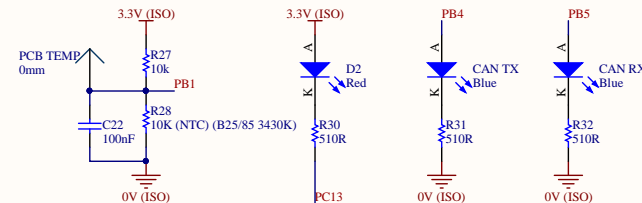
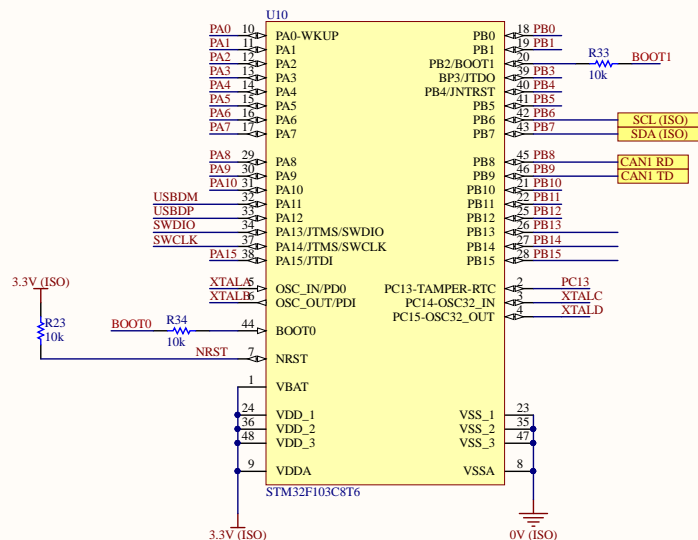
void loop()
{
 digitalWrite(LED_BUILTIN, HIGH);
 Serial.println("Serial LED OFF");
 usb.println("usb LED OFF");

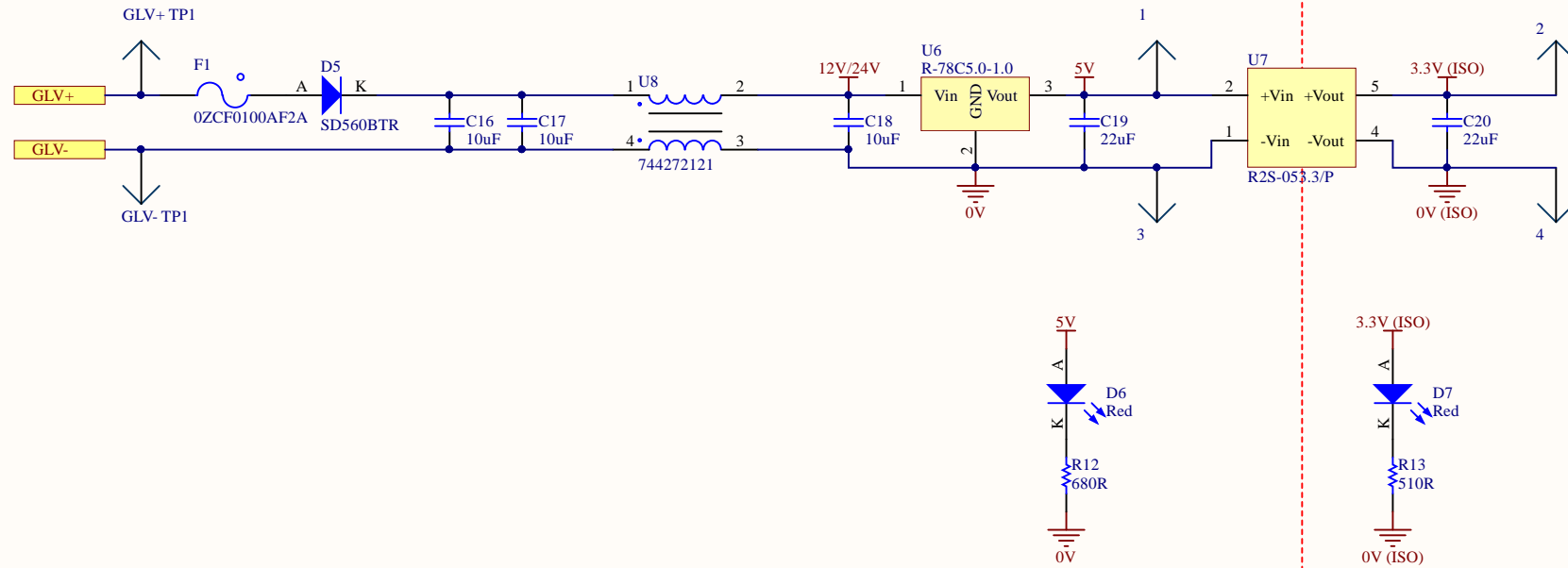
 delay(1000);

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

 delay(1000);
}

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





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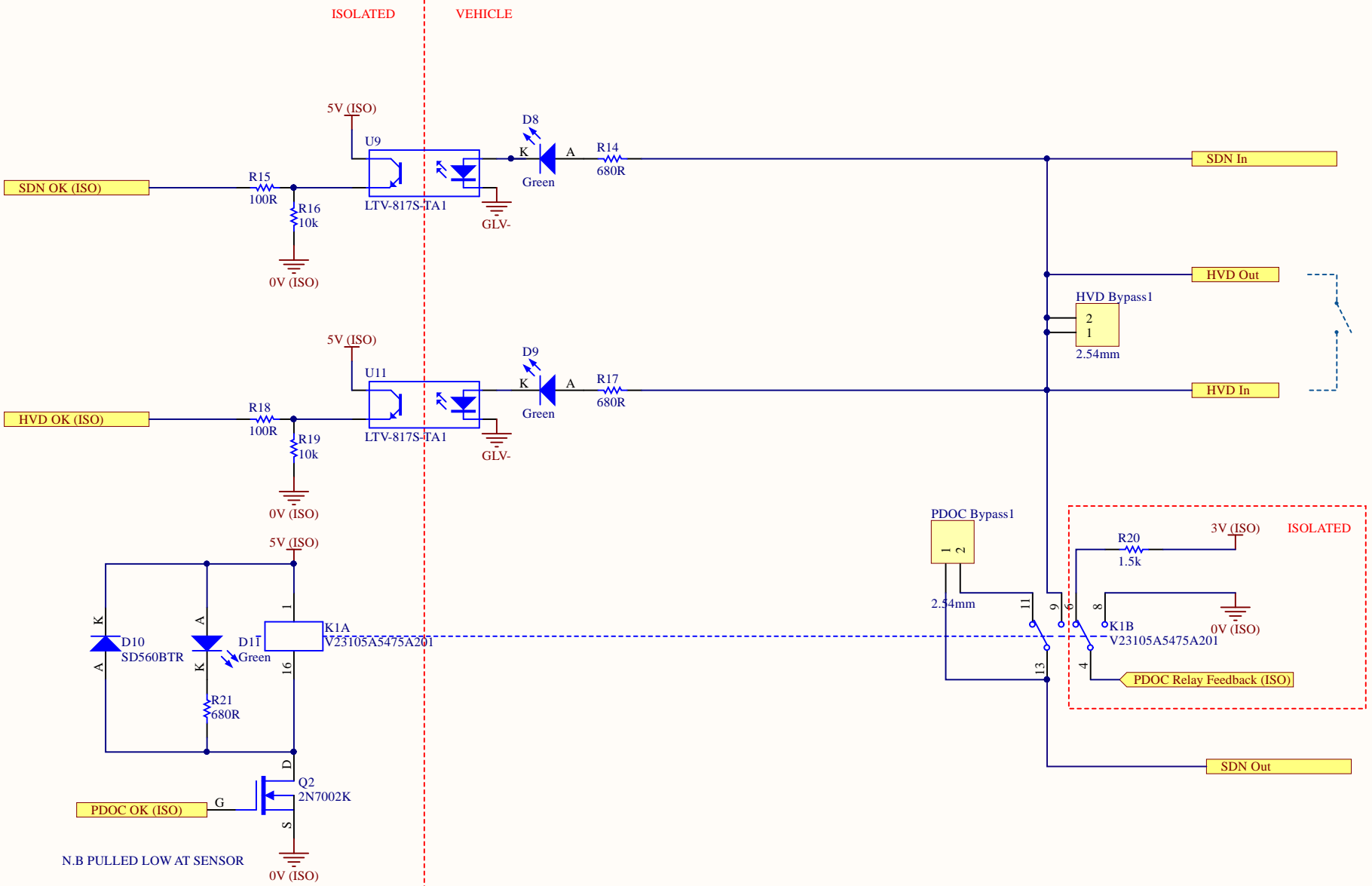
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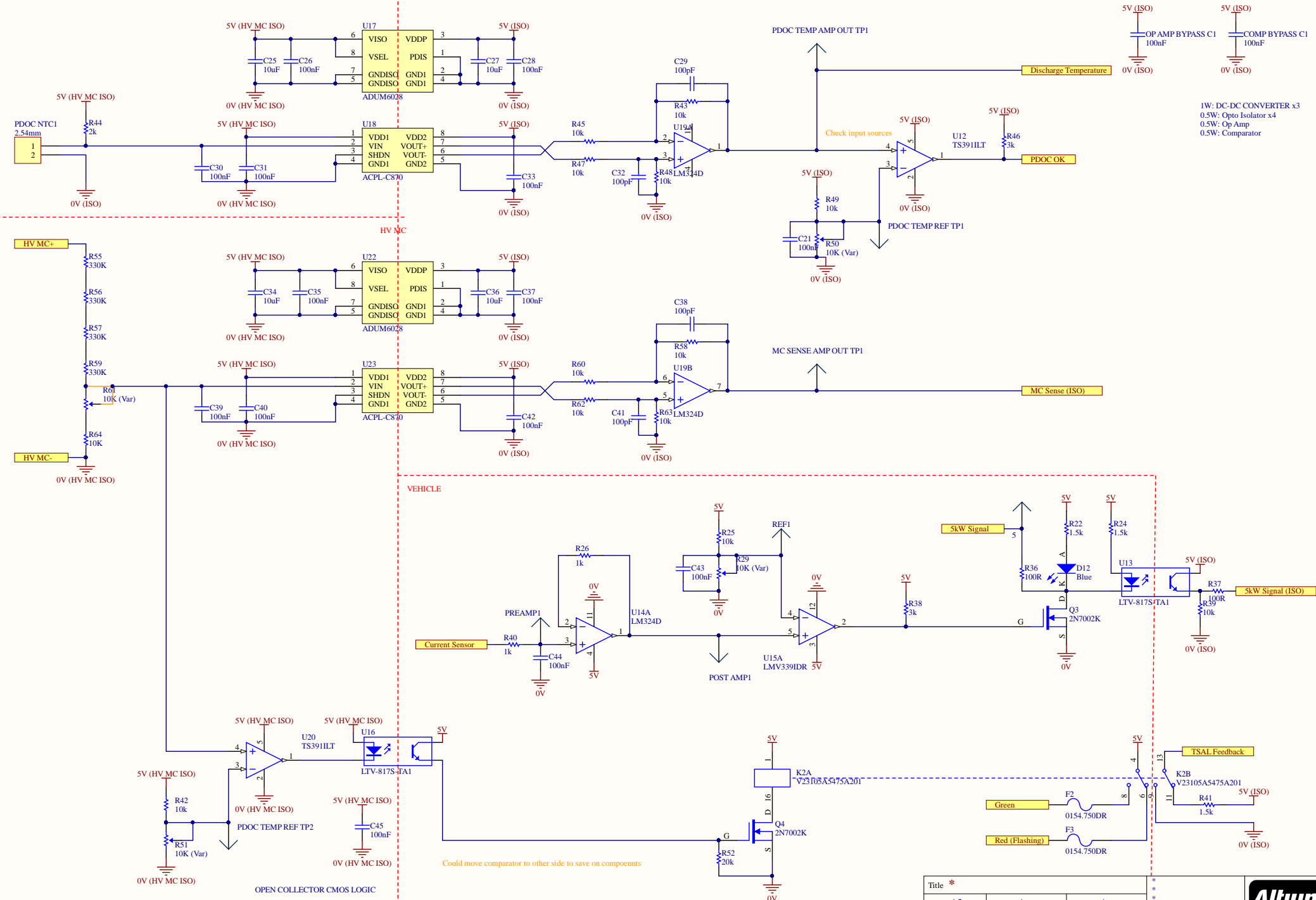
TEMP SENSOR ISOLATED

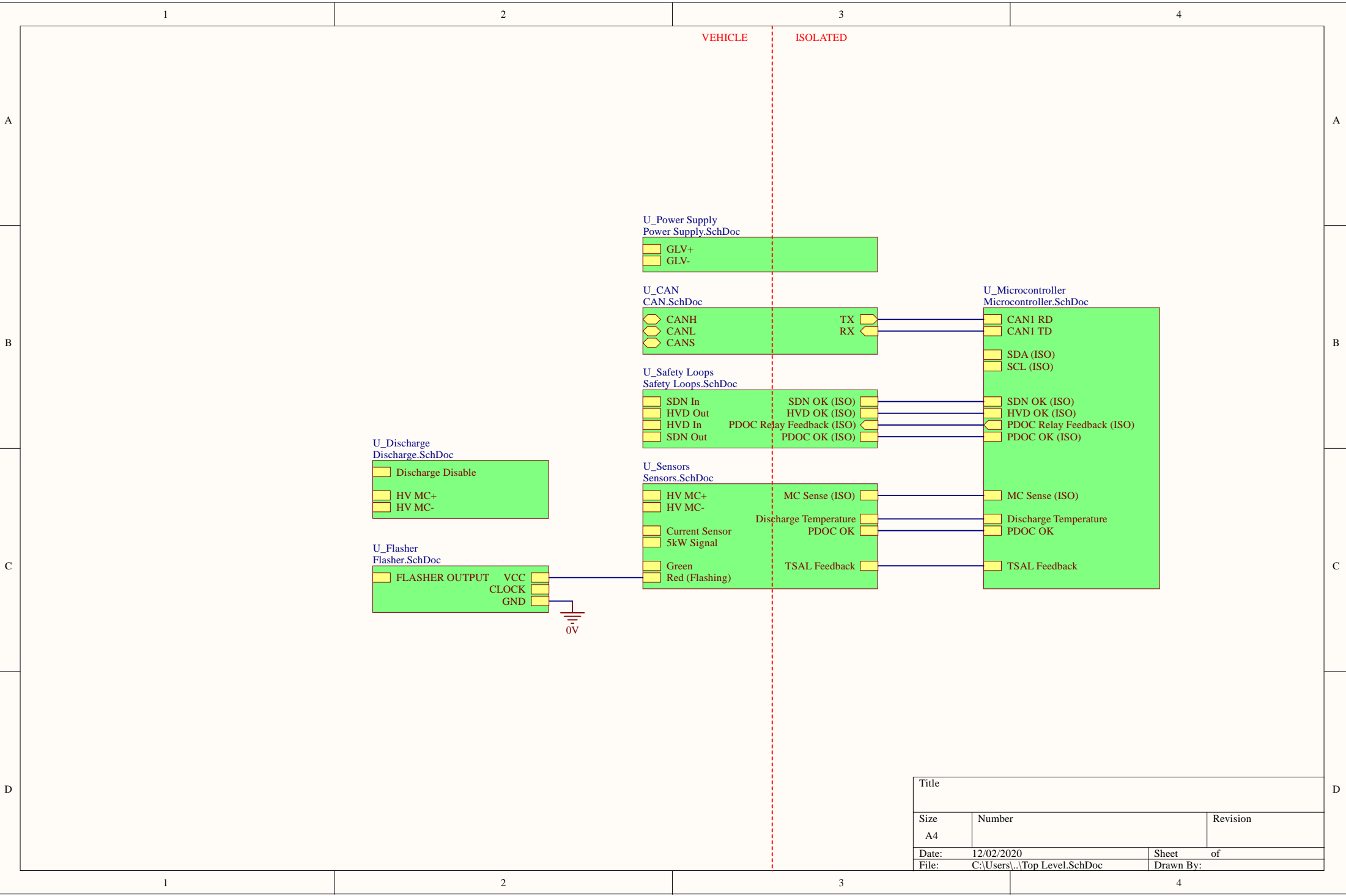
HV MC

VEHICLE

Could move comparator to other side to save on components

OPEN COLLECTOR CMOS LOGIC





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