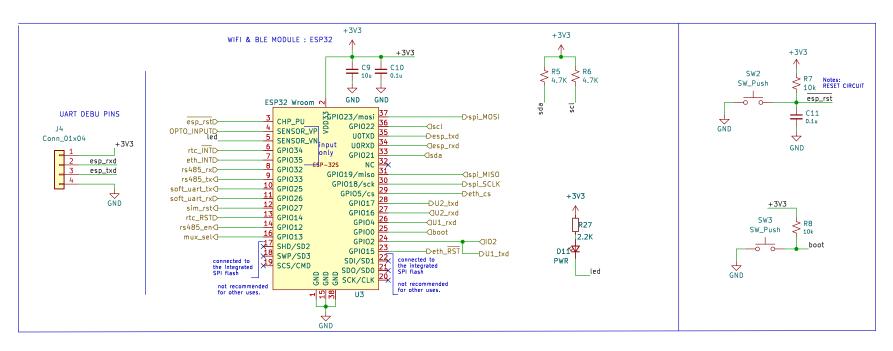


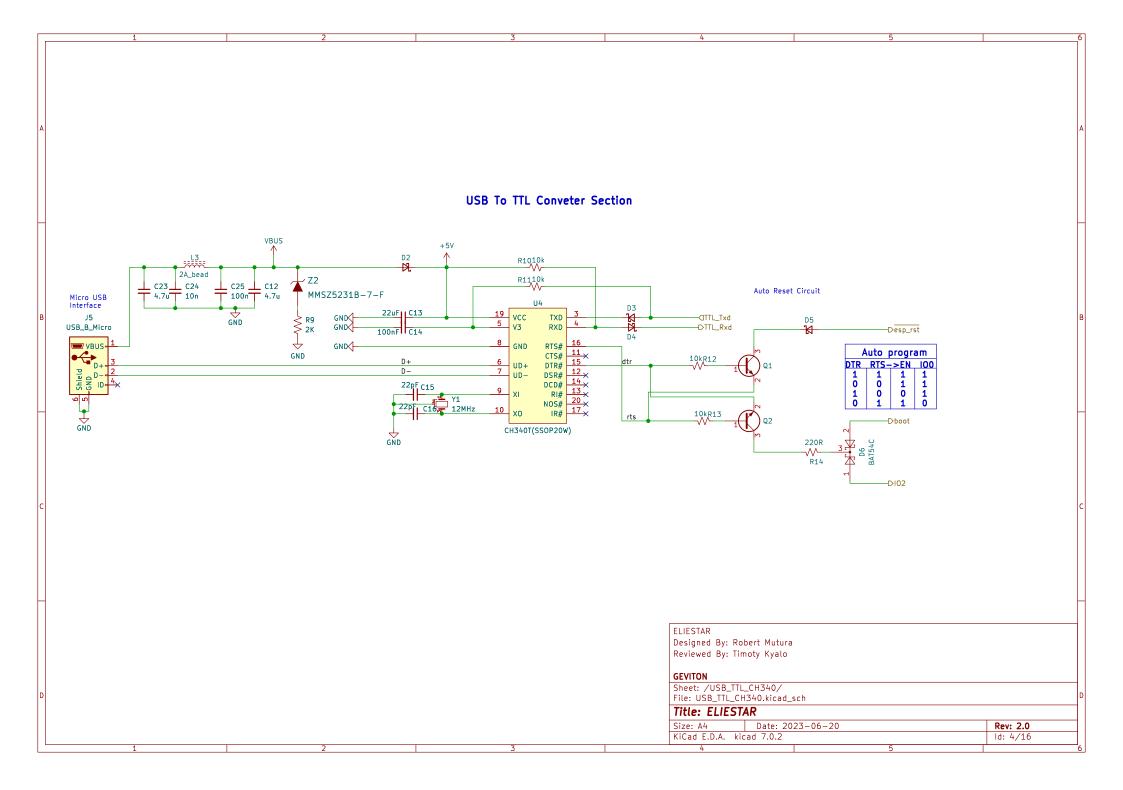
#### ESP32 MCU

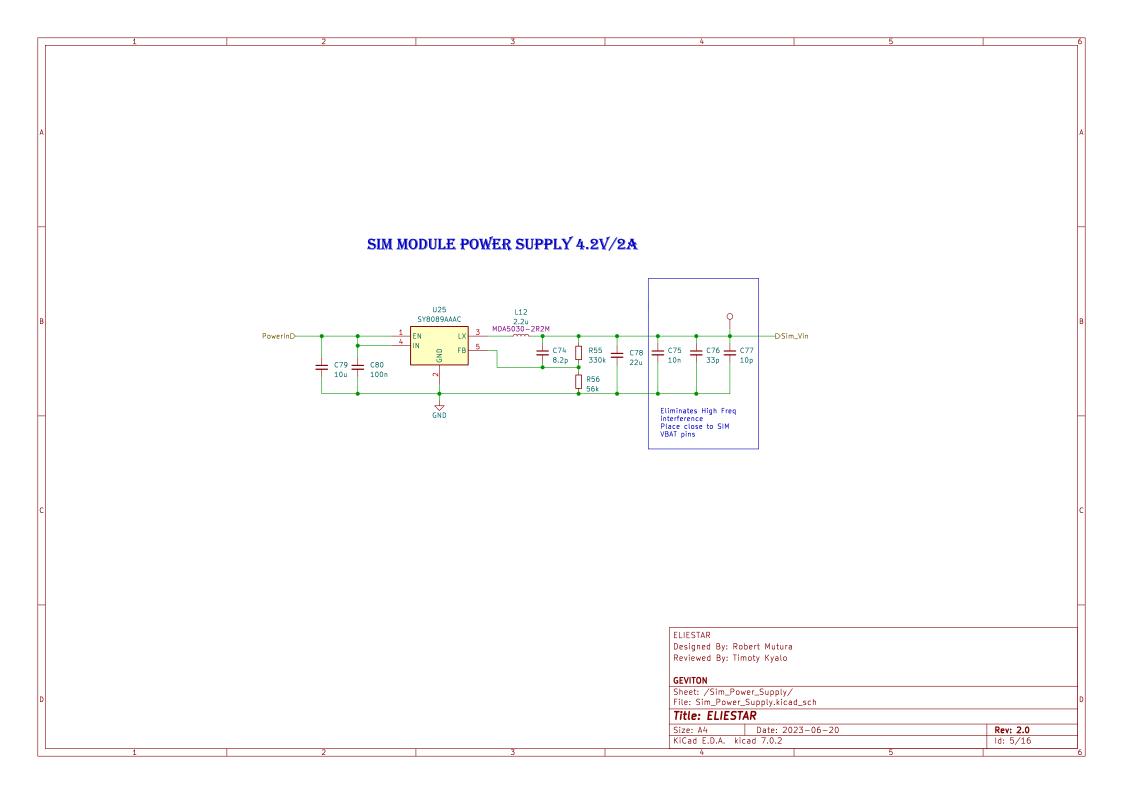


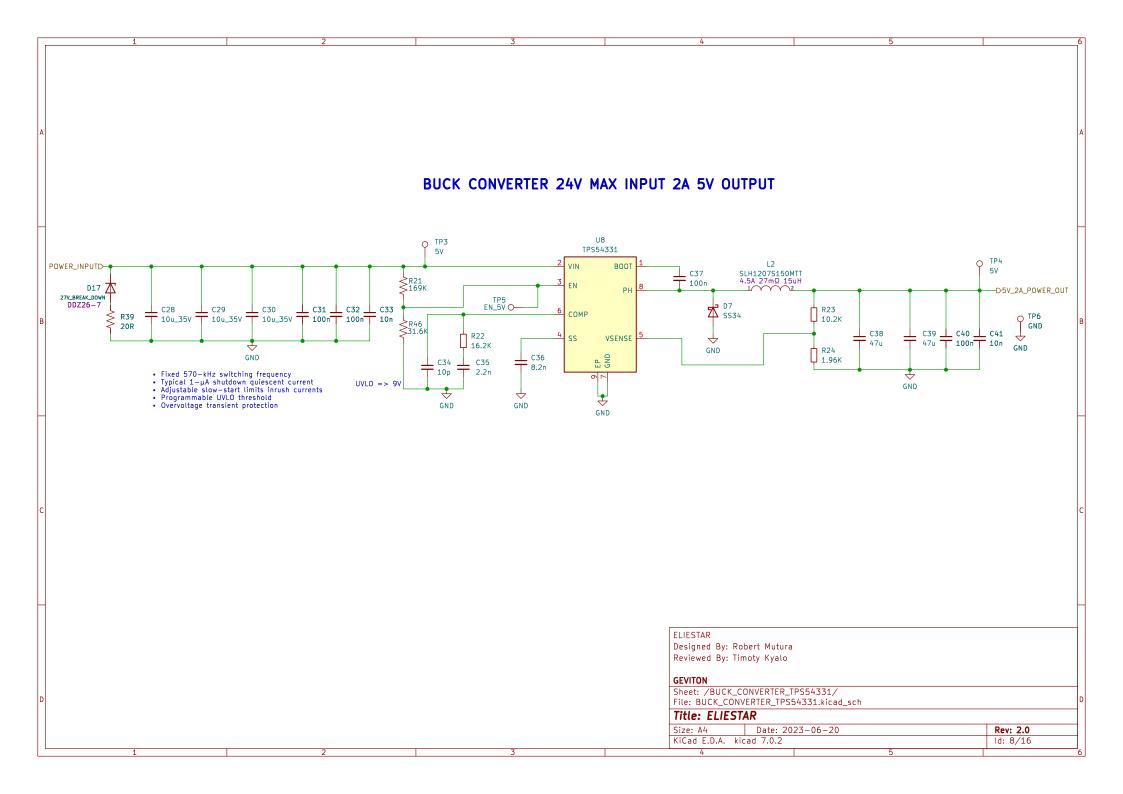
#### PLEASE USE THIS VIDEO TO SETUP SERIAL PINS FOR ESP32

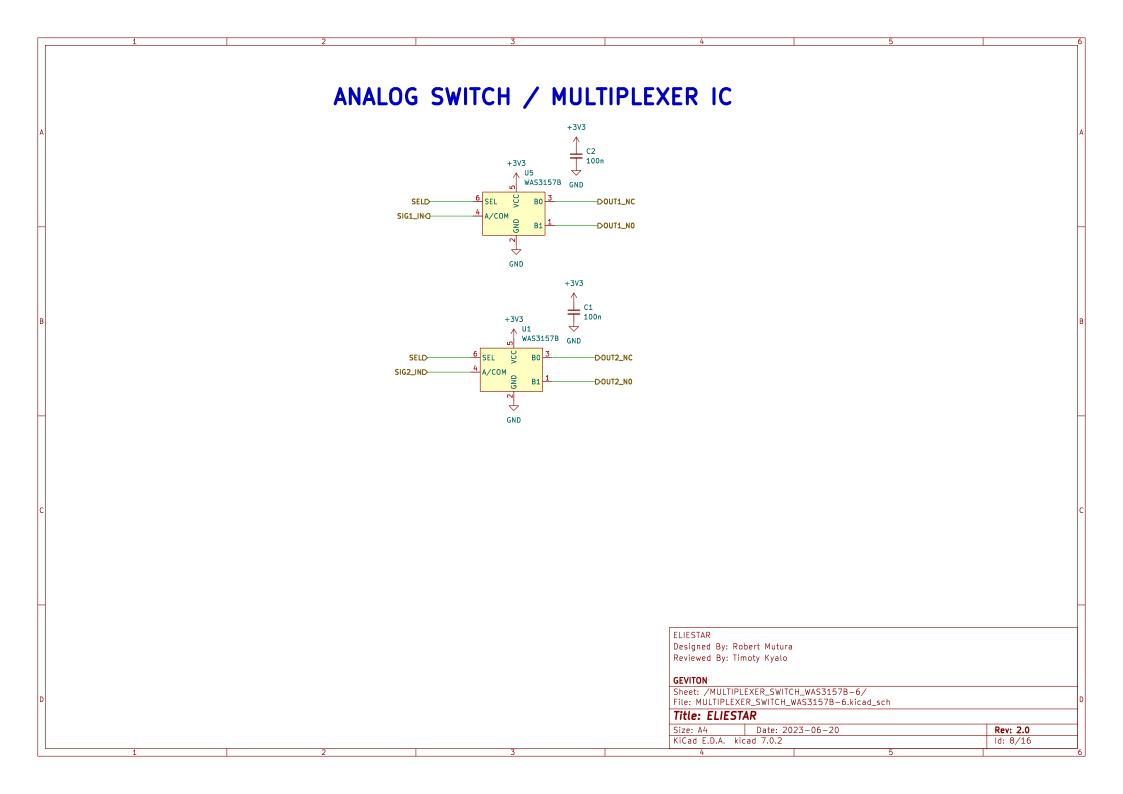
https://techoverflow.net/2021/11/19/which-pins-can-you-use-for-uart-on-the-esp32/https://microcontrollerslab.com/esp32-uart-communication-pins-example/

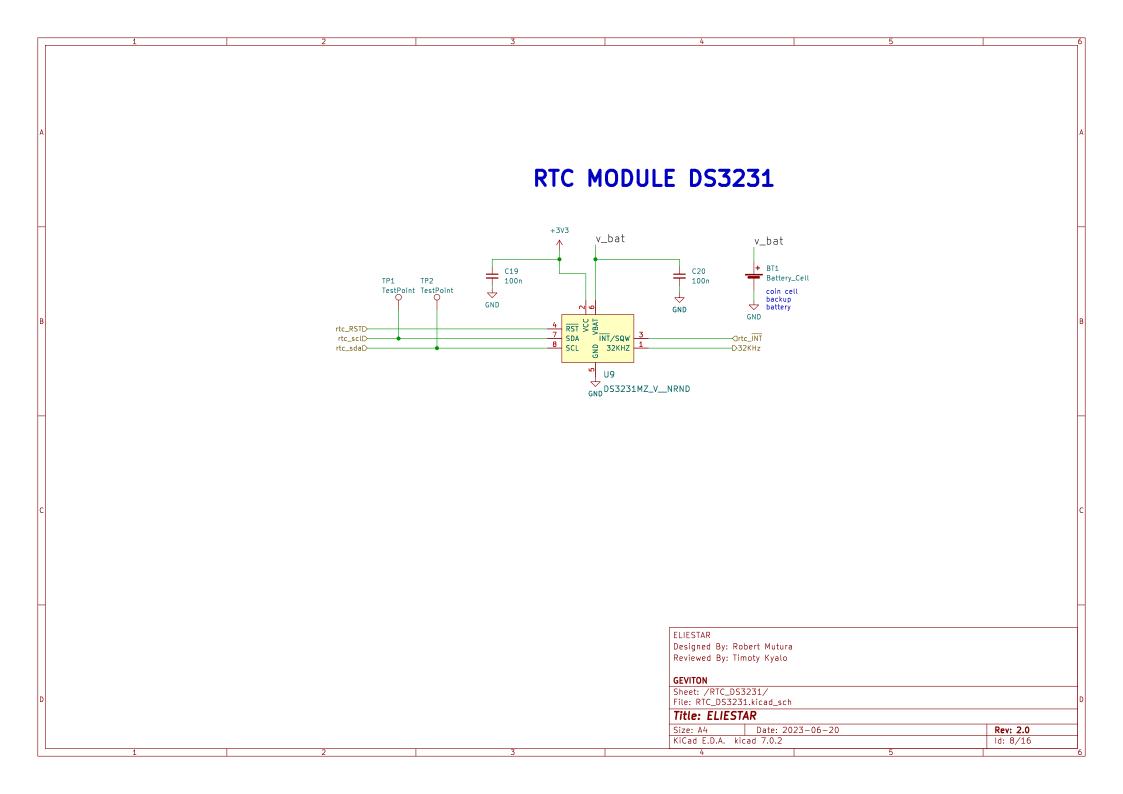
nttps://microcontrol	terstab.com/esp32-uart-communication-pins	-example/	
ELIESTAR			
Designed By: Rot	pert Mutura		
Reviewed By: Tim	oty Kyalo		
GEVITON			
Sheet: /ESP32_M	ICU/		7
File: ESP32_MCU.kicad_sch			
Title: ELIESTA	AR .		
Size: A4	Date: 2023-06-20	Rev: 2.0	7
KiCad E.D.A. kicad 7.0.2		ld: 3/16	П





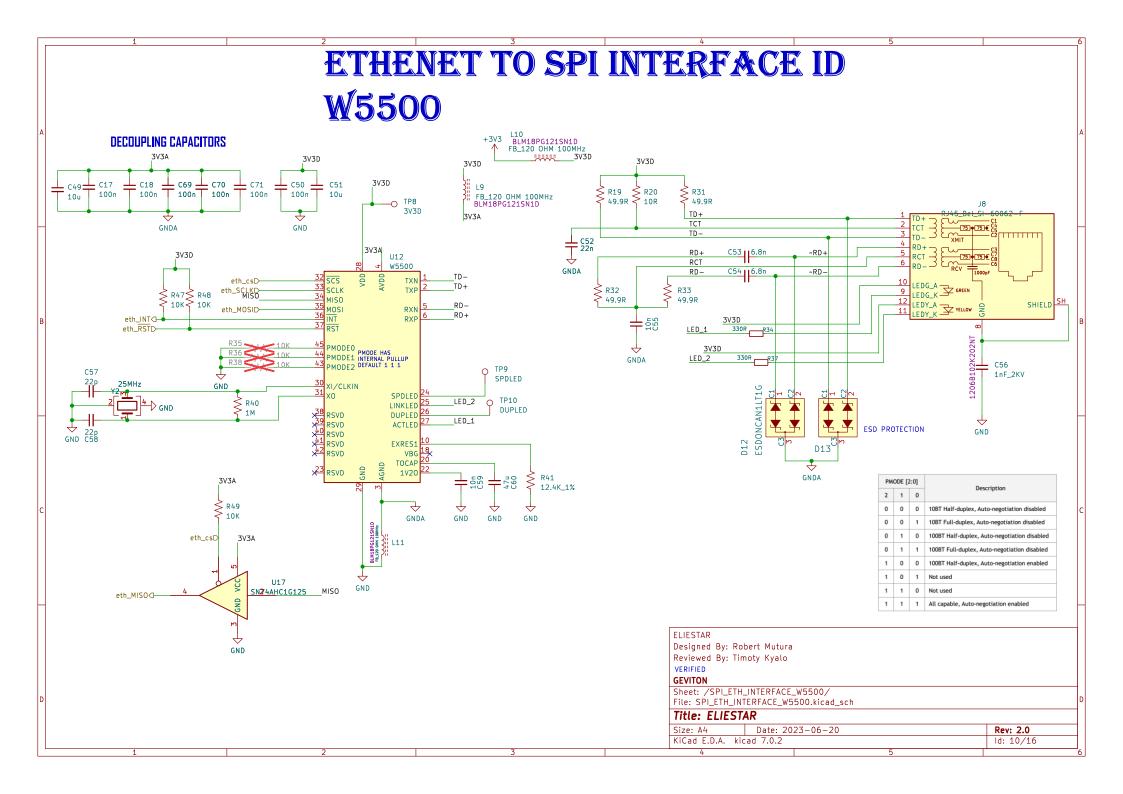


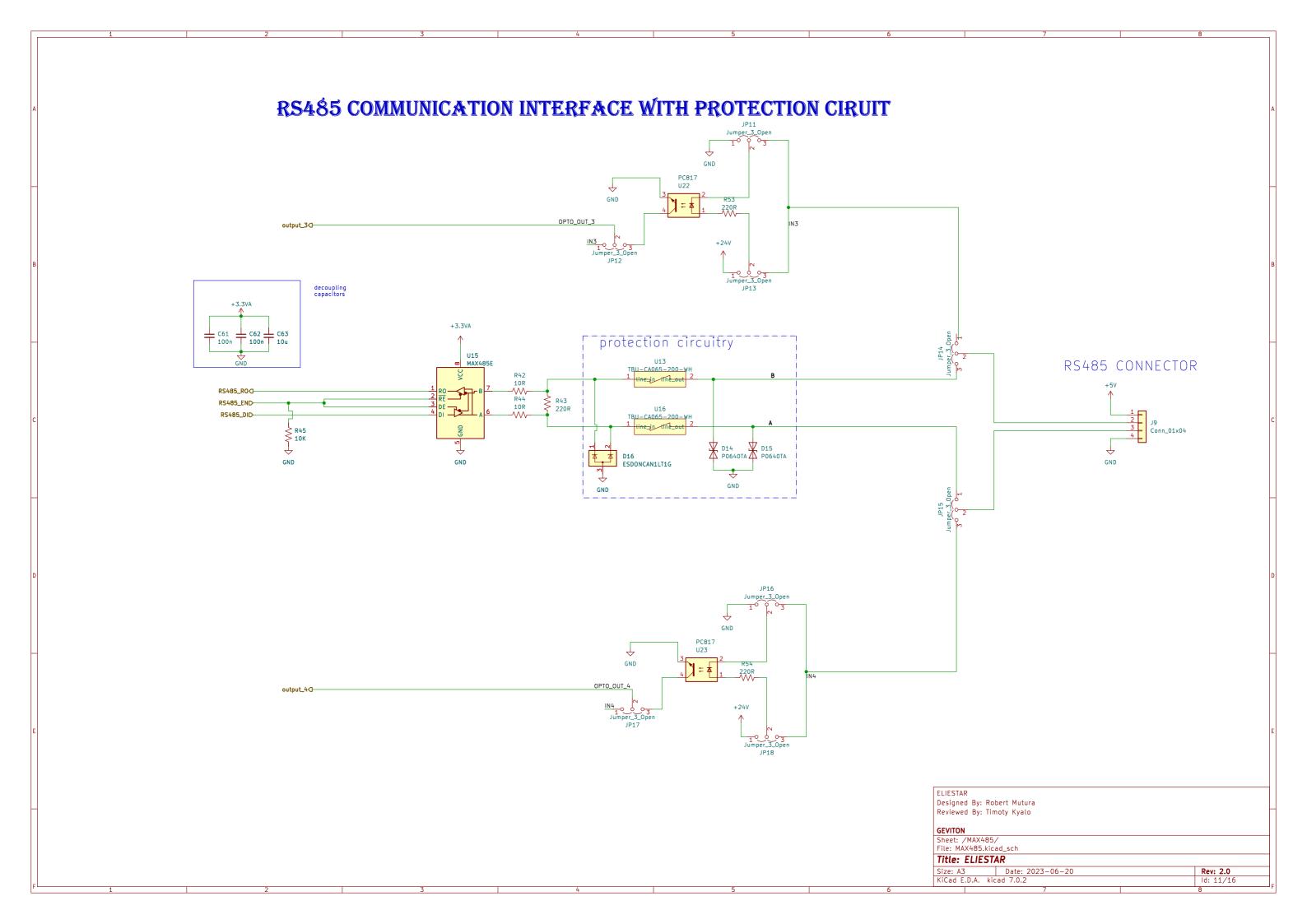


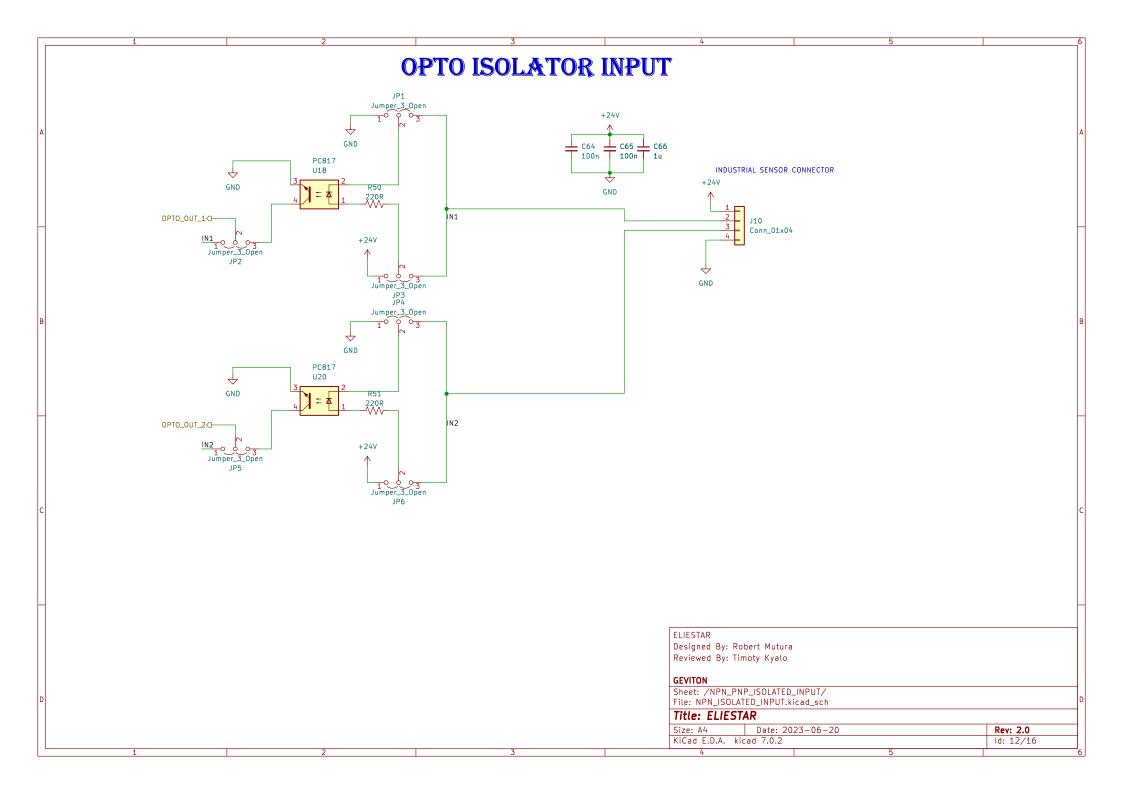


## POWER PATH SELECTOR WITH LOW QUIESCENT/LEAKAGE CURRENT Q4 Q3 DMP3056L-7 DMP3056L-7 POWER\_ALTERNATE\_IND-R25 1K -DTO\_SYSTEM POWER\_IN\_MAIND-₹ R26 C42 C43 35V GND GND GND WHEN CIRUCIT IS ON 24v is ocnnected - voltage across the gate is at a max of 20V(our gate can handle upto 25v) - when not connected the gateis at 0V and source at 5V which enable power to flow through the circuit ELIESTAR Designed By: Robert Mutura Reviewed By: Timoty Kyalo Sheet: /custom\_power\_path\_selector/ File: custom\_power\_path\_selector.kicad\_sch Title: ELIESTAR Size: A4 Date: 2023-06-20 Rev: 2.0 KiCad E.D.A. kicad 7.0.2 ld: 9/16

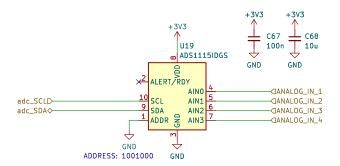
### 3V3 2A BUCK CONVERTER TPS56339DDCR L4 YSPI0530-4R7M U14 TPS56339DDC Input voltage range: 4.5 V to 24 V →DPOWER\_OUT\_3V3\_2A POWER\_INPUTD-BOOT R28 30R C45 100n TP7 EN\_3V3\_BCO-₹ R29 30.9K C26 C27 C44 C47 C48 C46 GND GND Rup = ((Vout-Vref)/Vref) \* Rdown(10k)ELIESTAR Designed By: Robert Mutura Reviewed By: Timoty Kyalo GEVITON Sheet: /BUCK\_CONVERTER\_TPS56339/ File: BUCK\_CONVERTER\_TPS56339.kicad\_sch Title: ELIESTAR Size: A4 Date: 2023-06-20 Rev: 2.0 KiCad E.D.A. kicad 7.0.2 ld: 9/16







# 16BIT DIGITAL TO ANALOG CONVERTER



ELIESTAR

Designed By: Robert Mutura Reviewed By: Timoty Kyalo

GEVITON

Sheet: /16BIT\_ADC\_ADS1115/ File: 16BIT\_ADC\_ADS1115.kicad\_sch

Title: ELIESTAR

 Size: A4
 Date: 2023-06-20
 Rev: 2.0

 KiCad E.D.A. kicad 7.0.2
 Id: 13/16

