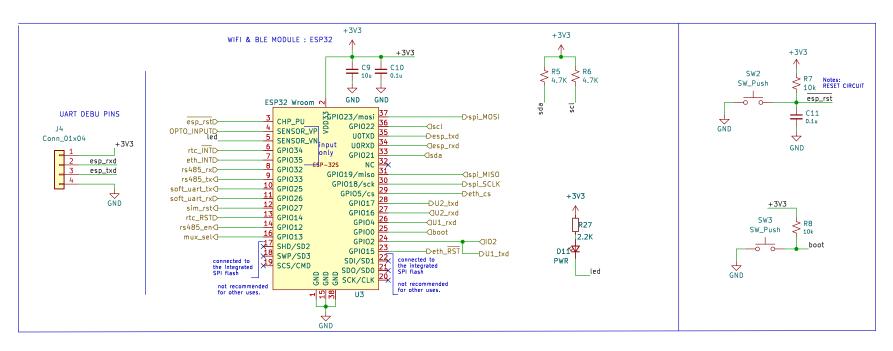


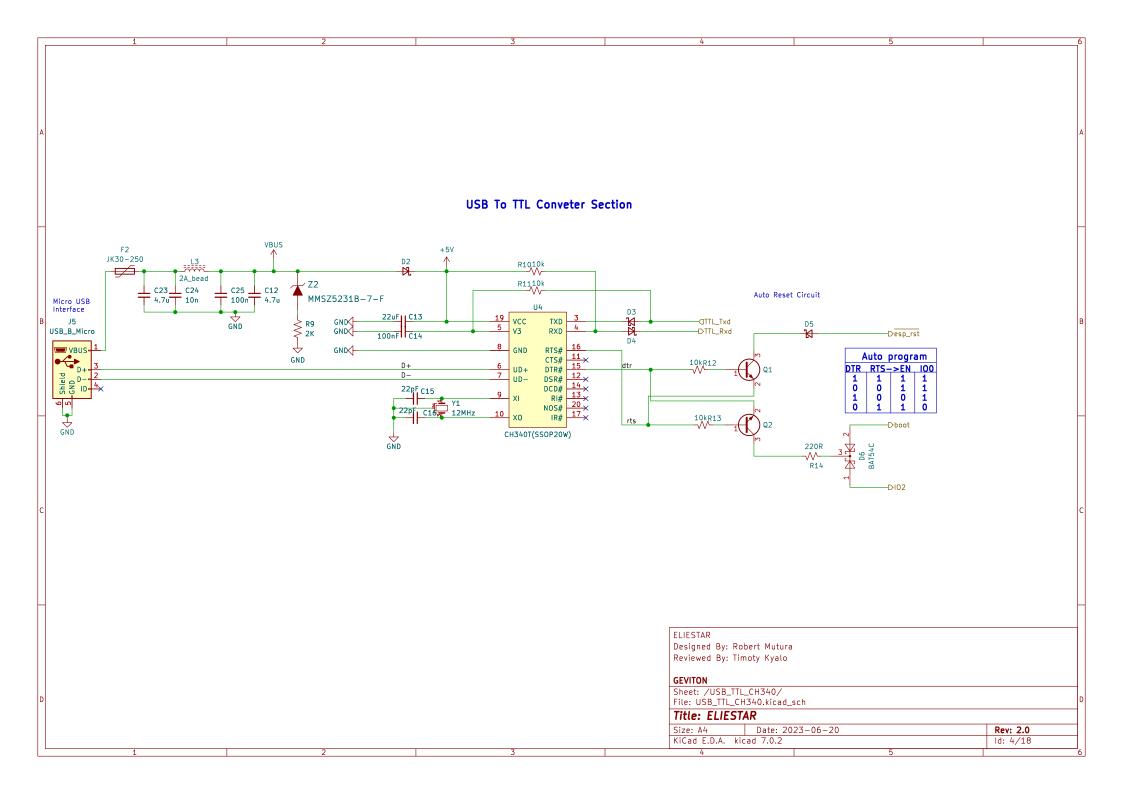
ESP32 MCU

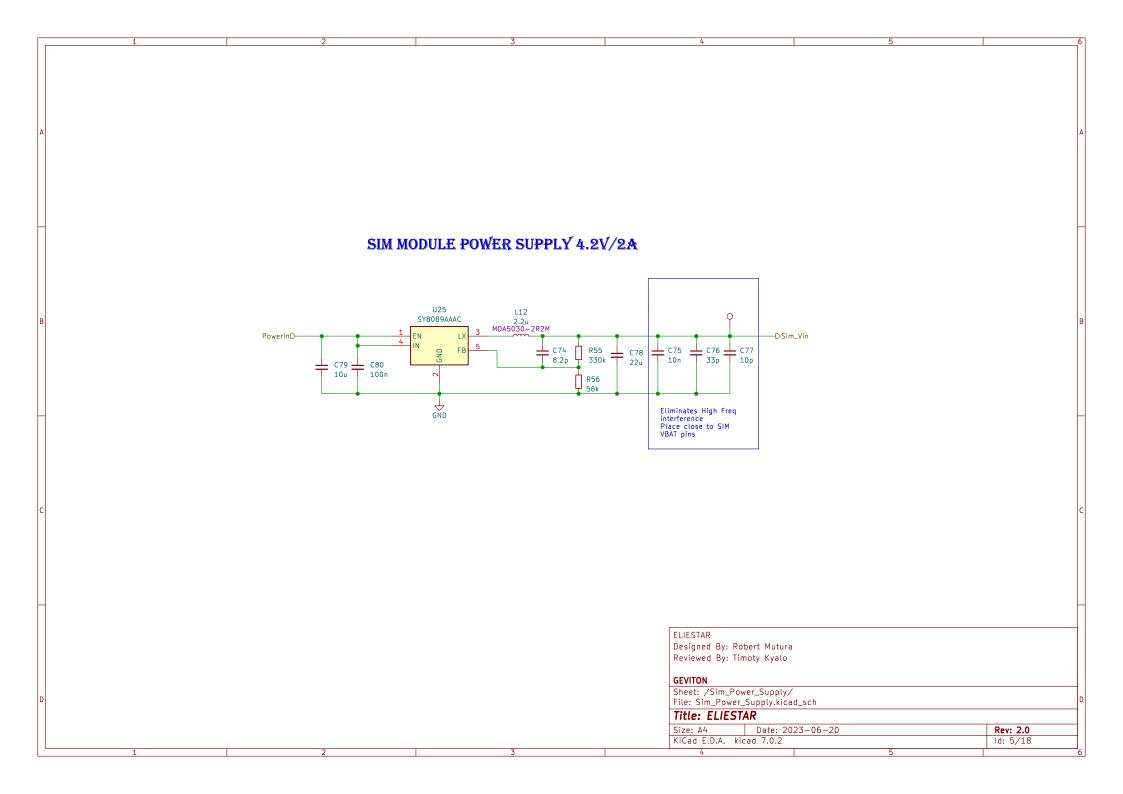


PLEASE USE THIS VIDEO TO SETUP SERIAL PINS FOR ESP32

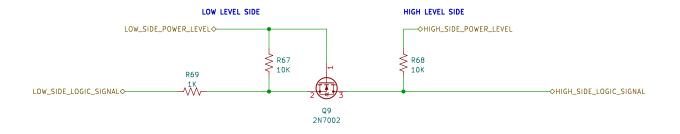
https://techoverflow.net/2021/11/19/which-pins-can-you-use-for-uart-on-the-esp32/

	terstab.com/esp32-dart-communication-pins	s-example/	-
ELIESTAR			
Designed By: Rot	pert Mutura		
Reviewed By: Tim	noty Kyalo		
GEVITON			
Sheet: /ESP32_MCU/			
File: ESP32_MCU.kicad_sch			D
Title: ELIESTA	AR		
Size: A4	Date: 2023-06-20	Rev: 2.0	
KiCad F.D.A. kicad 7.0.2		ld: 3/18	





BI-DIRECTIONAL LEVEL TRANSLATOR MOSFET - IMPLEMENTATION

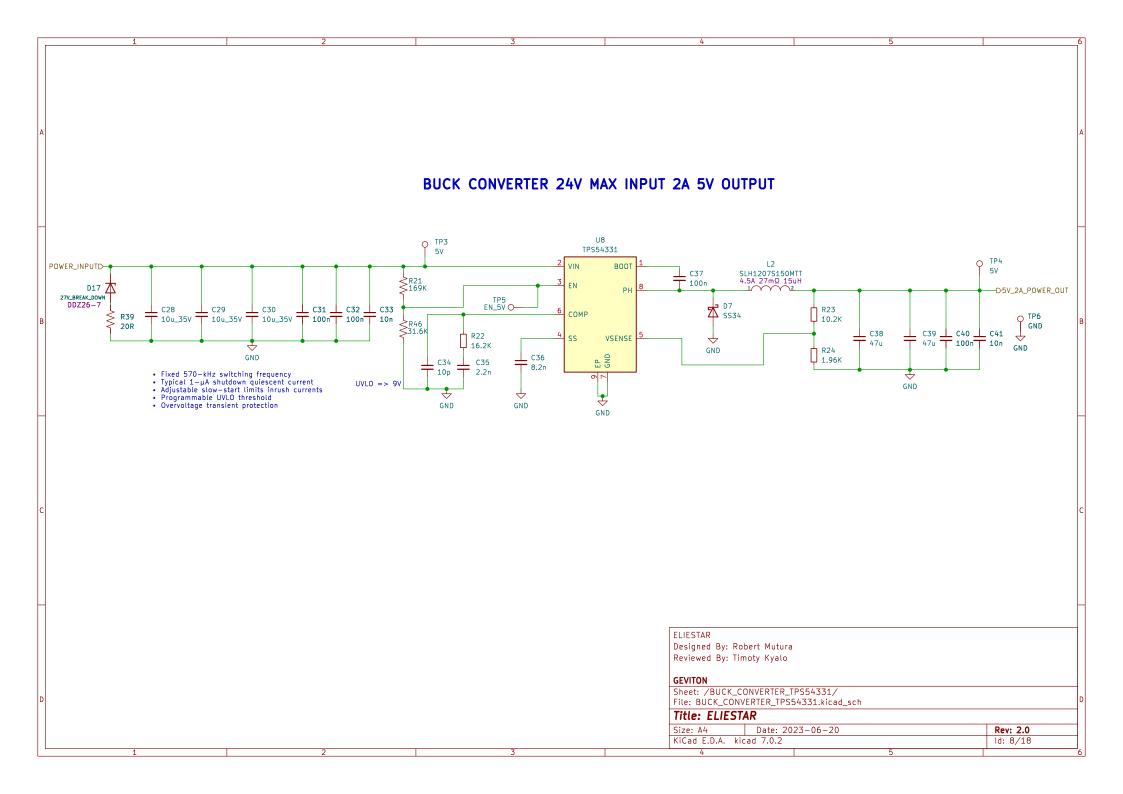


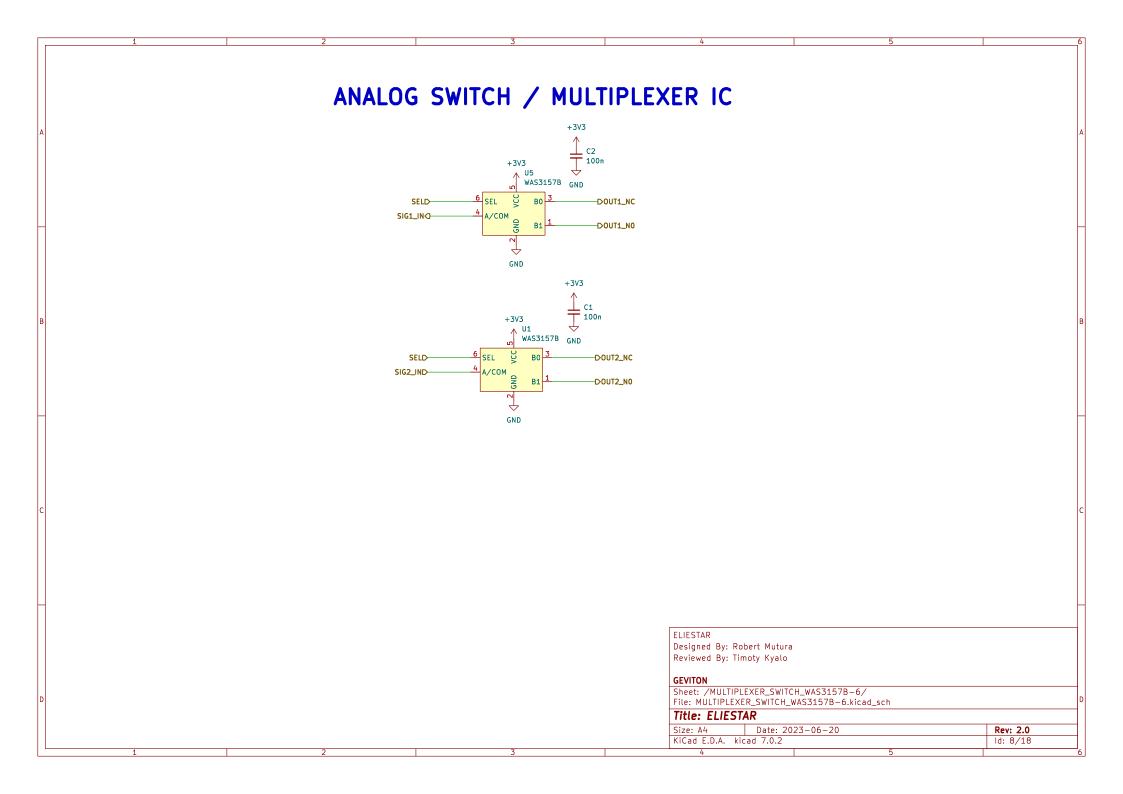
Sheet: /GSM_GPRS_MODULE_SIM7000G/MOSFET_LOGIC_LEVEL_TRANSLATOR1/File: MOSFET_LOGIC_LEVEL_TRANSLATOR.kicad_sch

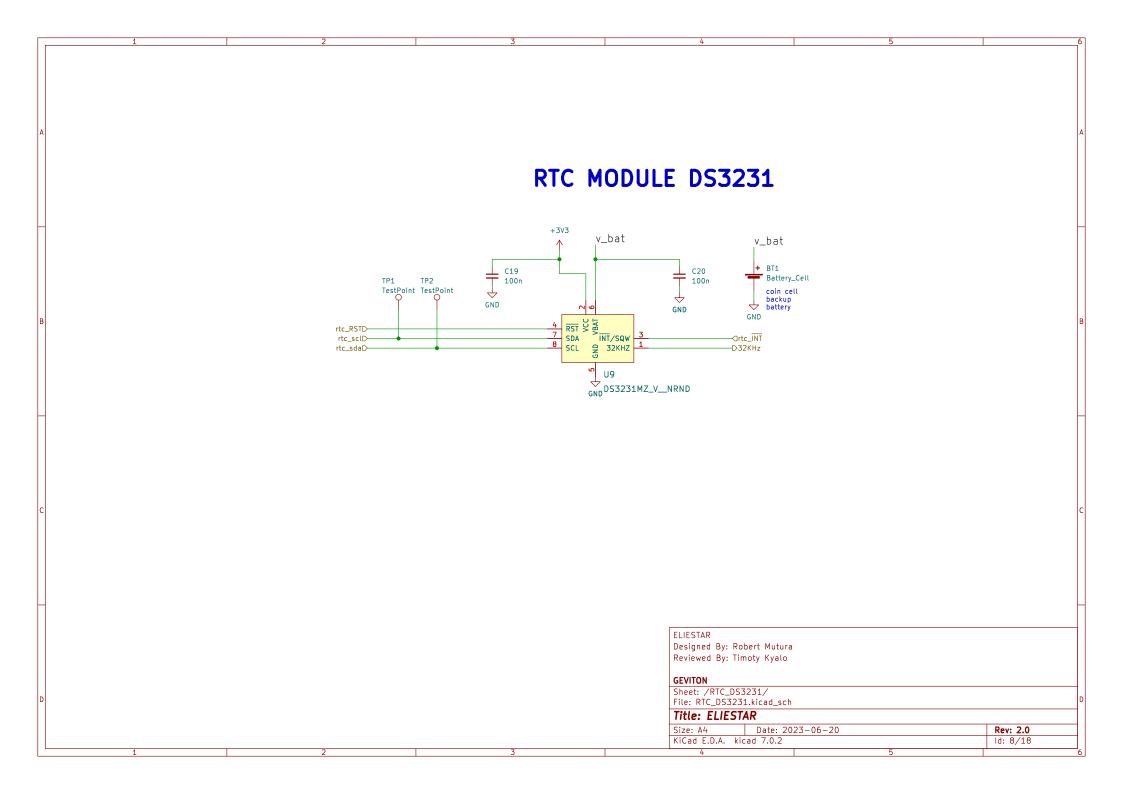
Title:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. kicad 7.0.2
 Id: 6/18

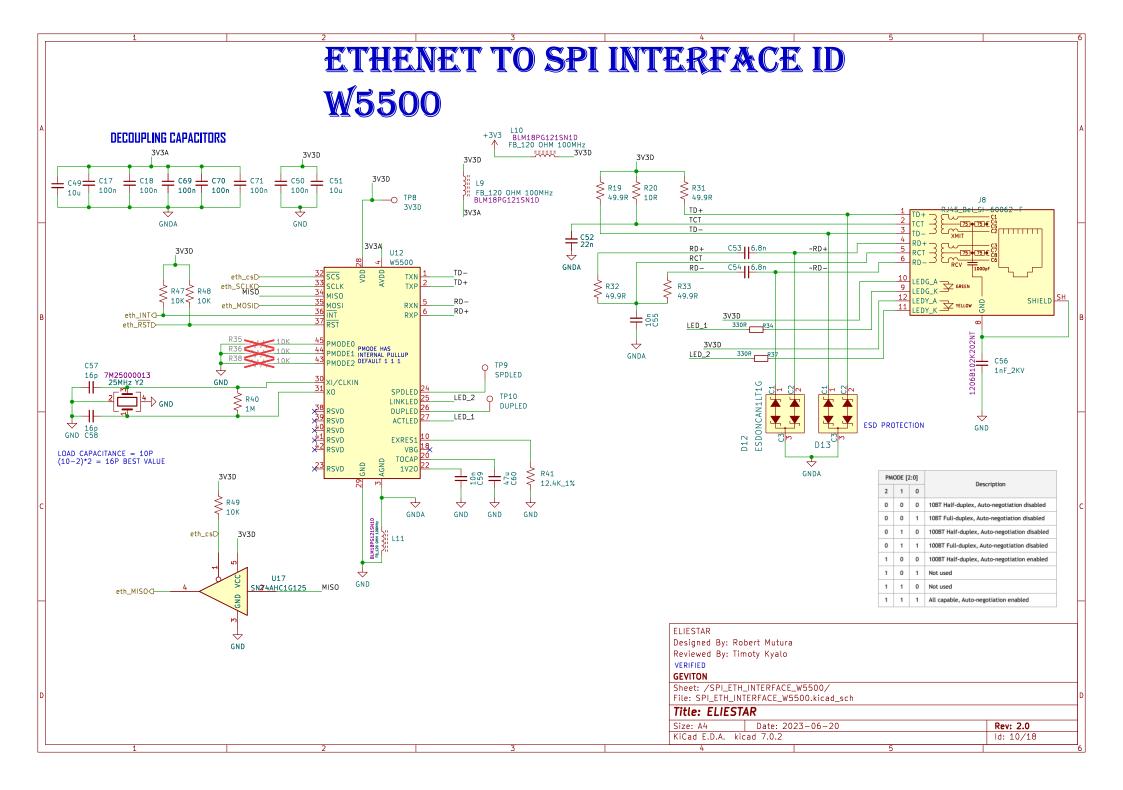


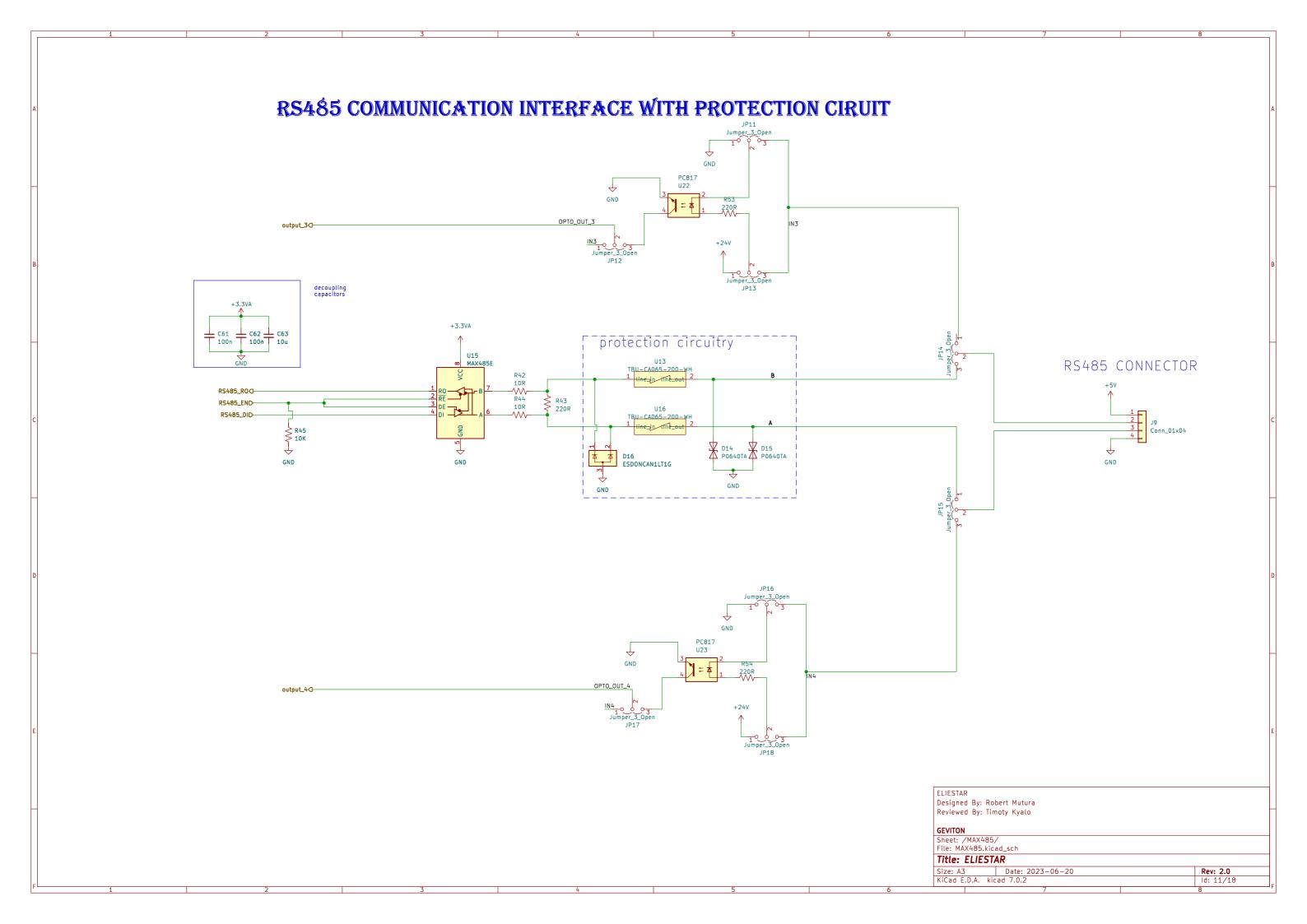


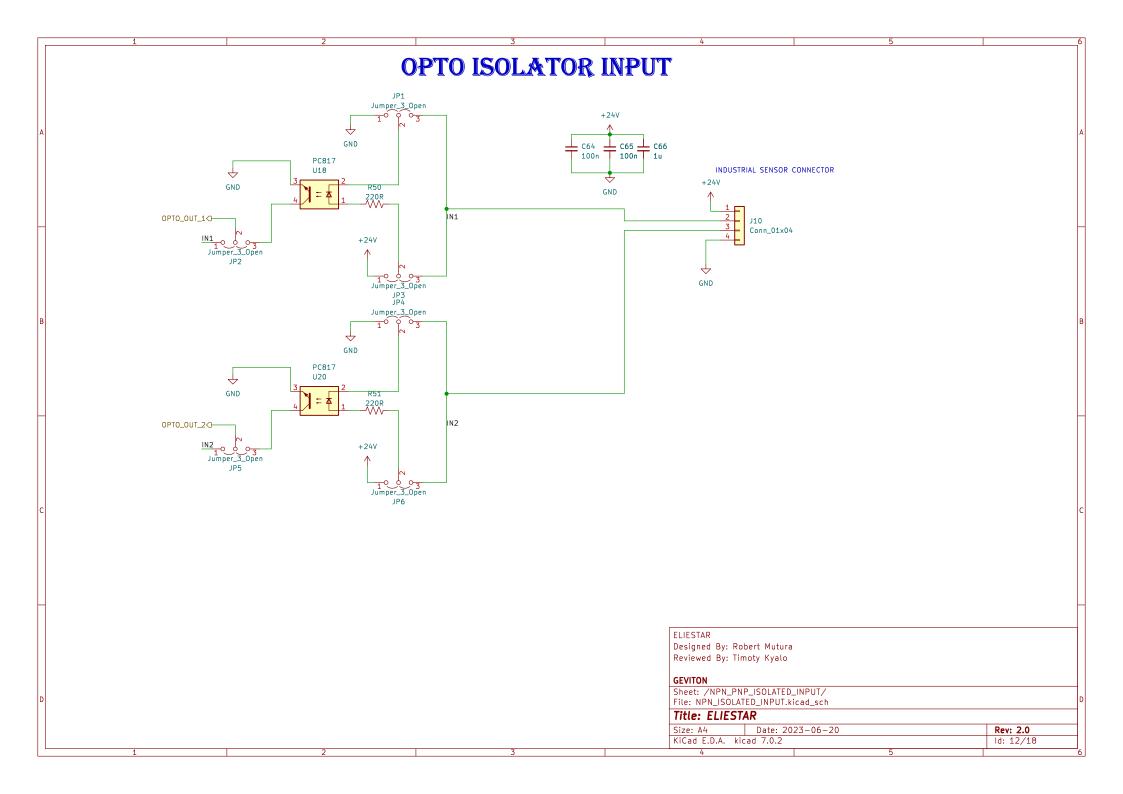


POWER PATH SELECTOR WITH LOW QUIESCENT/LEAKAGE CURRENT Q4 Q3 DMP3056L-7 DMP3056L-7 POWER_ALTERNATE_IND-R25 1K -DTO_SYSTEM POWER_IN_MAIND-₹ R26 C42 C43 35V GND GND GND WHEN CIRUCIT IS ON 24v is ocnnected - voltage across the gate is at a max of 20V(our gate can handle upto 25v) - when not connected the 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: 9/18

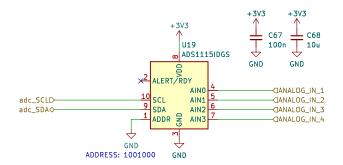
3V3 2A BUCK CONVERTER TPS56339DDCR L4 YSPI0530-4R7M U14 TPS56339DDC Input voltage range: 4.5 V to 24 V →DPOWER_OUT_3V3_2A POWER_INPUTD-BOOT R28 30R C45 100n TP7 EN_3V3_BCO-₹ R29 30.9K C26 C27 C44 C47 C48 C46 GND GND Rup = ((Vout-Vref)/Vref) * Rdown(10k)ELIESTAR Designed By: Robert Mutura Reviewed By: 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: 9/18







16BIT DIGITAL TO ANALOG CONVERTER



ELIESTAR

Designed By: Robert Mutura Reviewed By: Timoty Kyalo

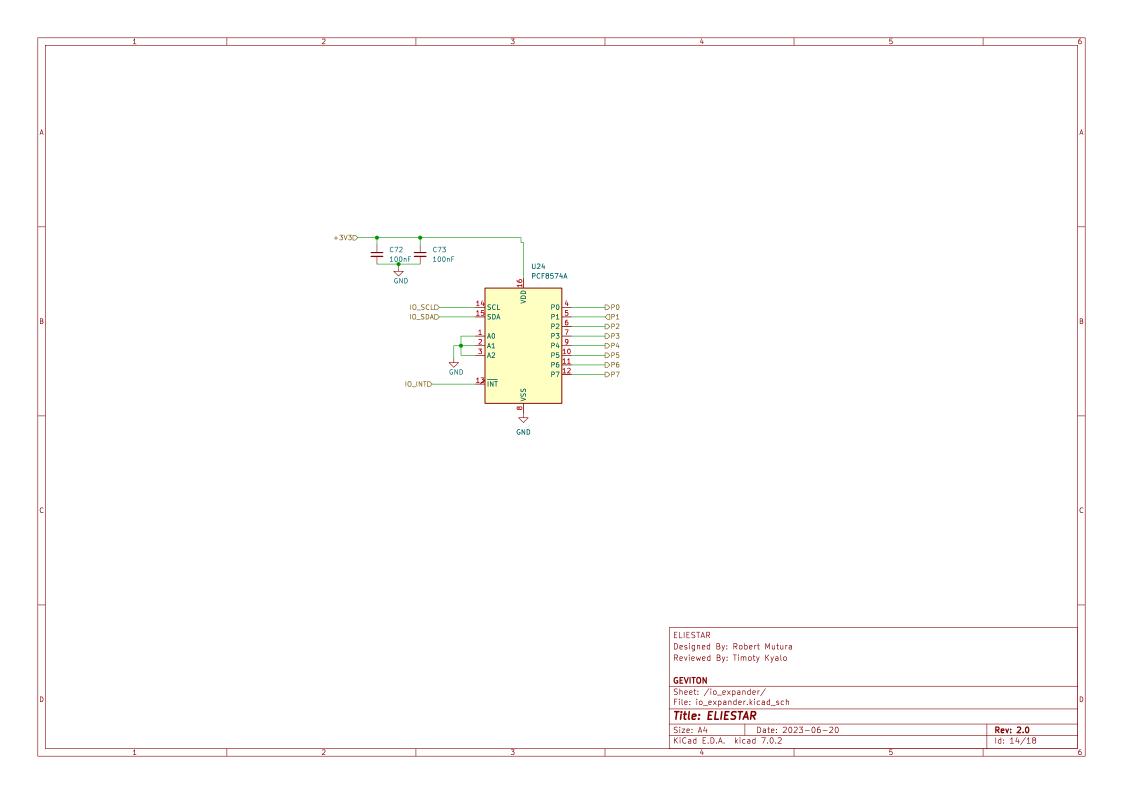
GEVITON

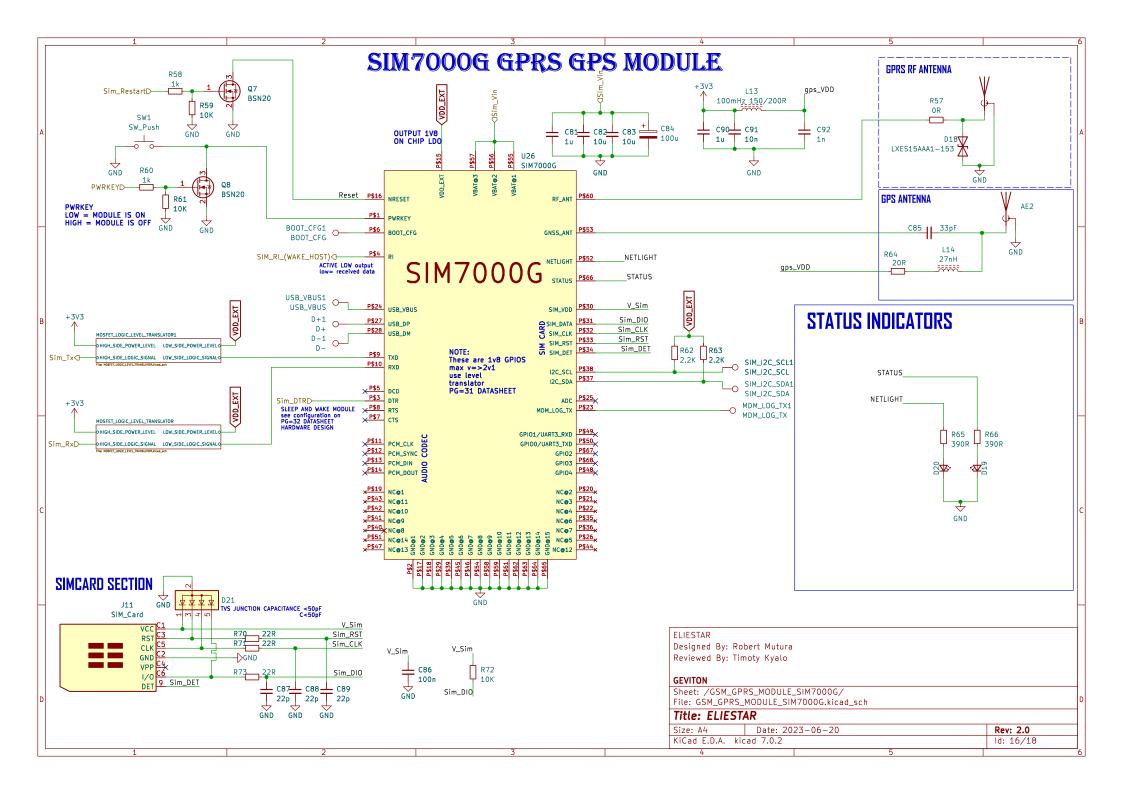
Sheet: /16BIT_ADC_ADS1115/ File: 16BIT_ADC_ADS1115.kicad_sch

Title: ELIESTAR

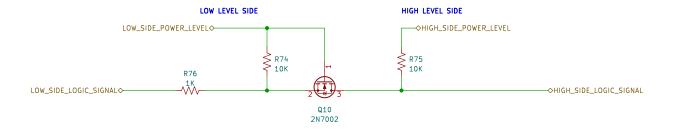
 Size: A4
 Date: 2023-06-20
 Rev: 2.0

 KiCad E.D.A. kicad 7.0.2
 Id: 13/18





BI-DIRECTIONAL LEVEL TRANSLATOR MOSFET - IMPLEMENTATION



Sheet: /GSM_GPRS_MODULE_SIM7000G/MOSFET_LOGIC_LEVEL_TRANSLATOR/File: MOSFET_LOGIC_LEVEL_TRANSLATOR.kicad_sch

Title:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. kicad 7.0.2
 Id: 17/18