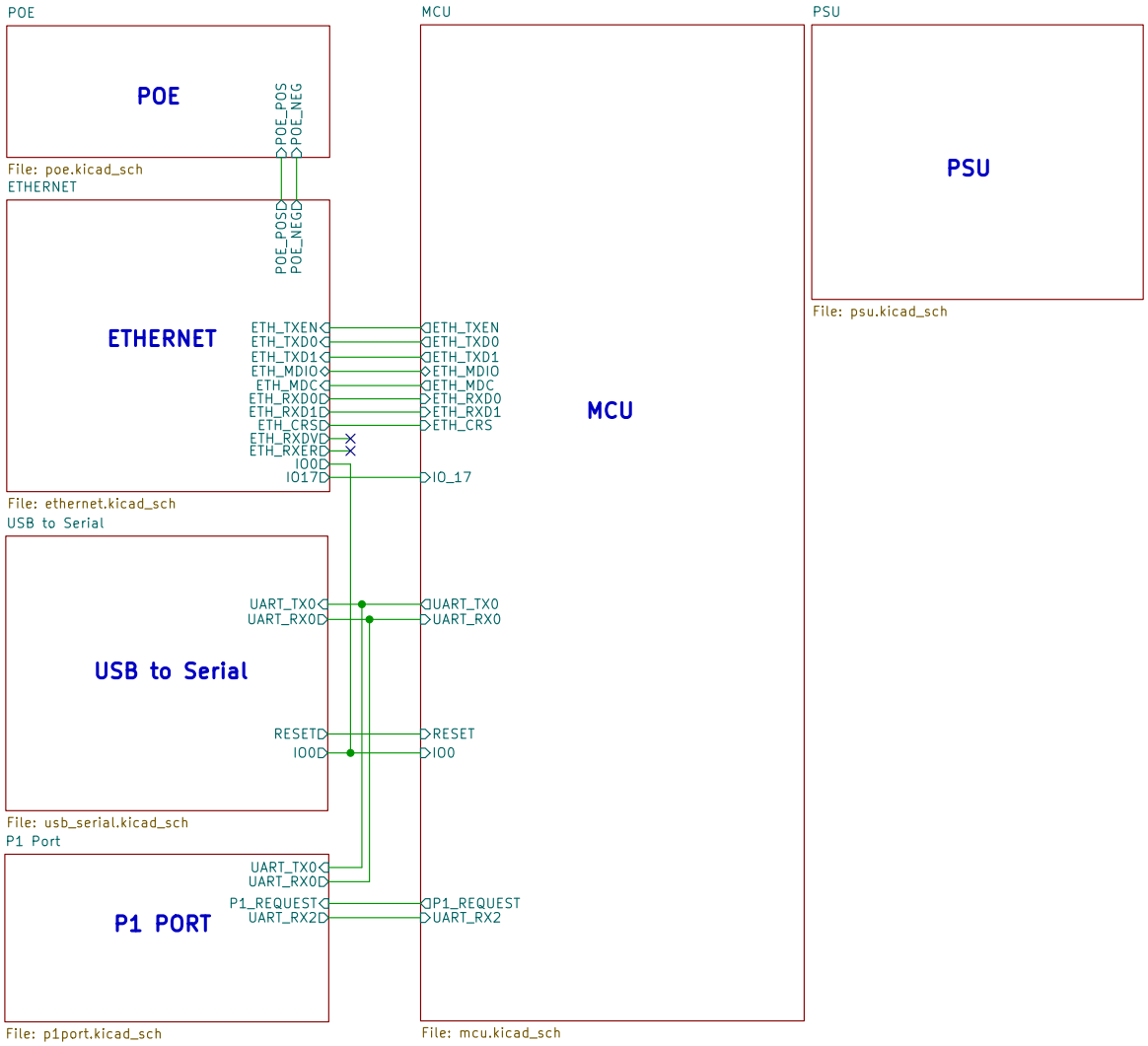

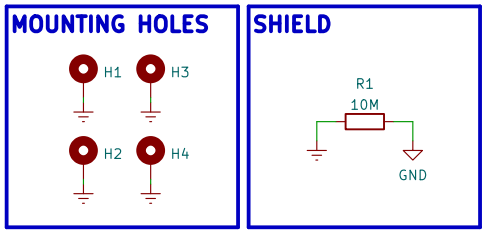

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Design Company: Hatrix–Electronics
Engineers: Stefan Panzalovic, Dusan Vincilir
Client: SecSelS – Secure Selfhosted Software
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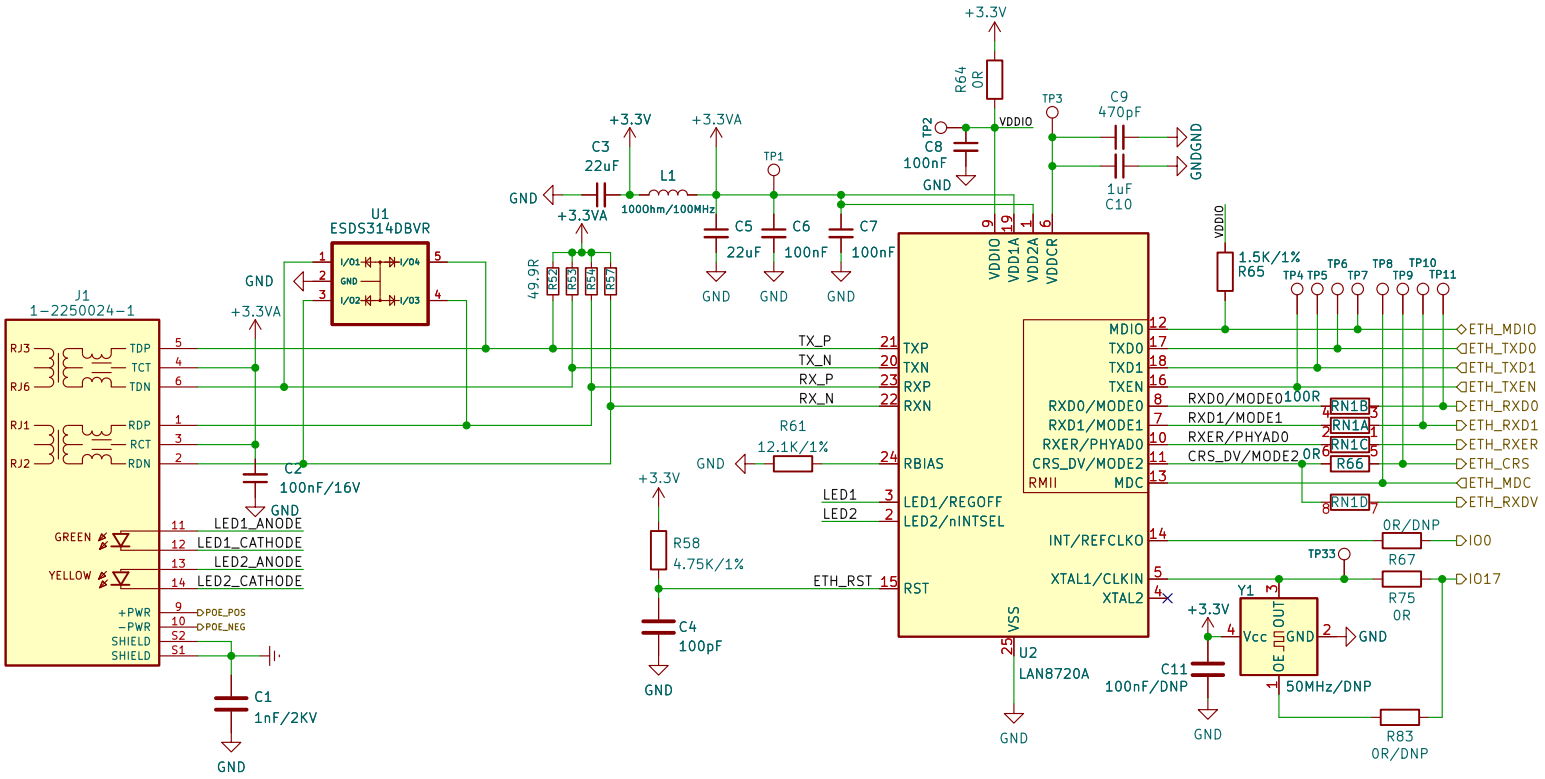
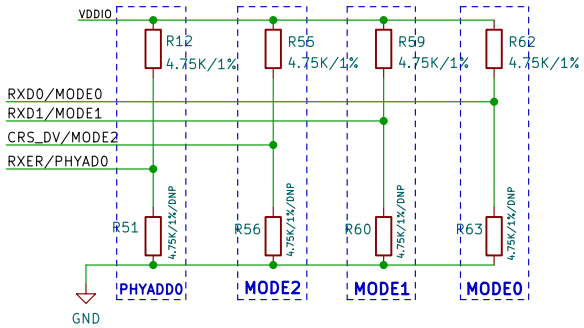
Sheet: /
File: P1_shield_board.kicad_sch

Title: SecSi–Energy–Monitor

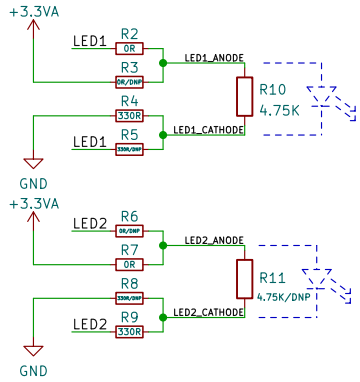
Size: A4	Date: 2022–11–01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 1/7



Mode Selector



REGOFF & INTSEL Selector



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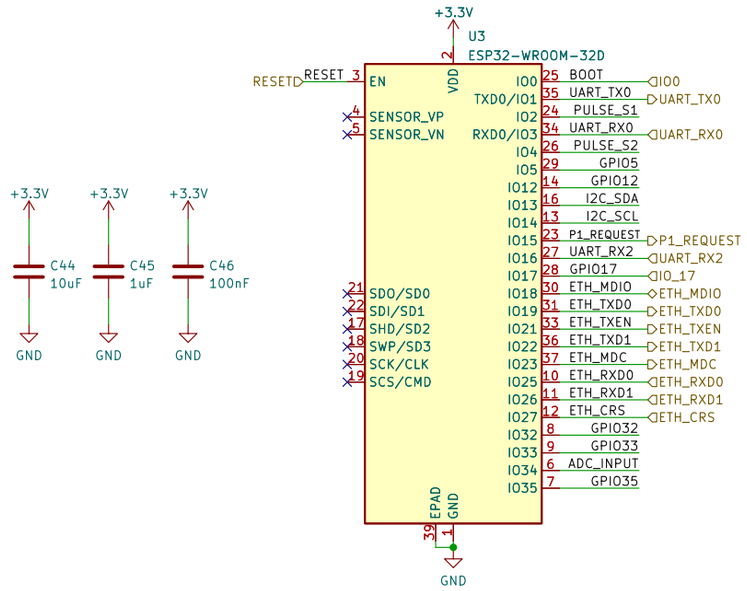
Sheet: /ETHERNET/
File: ethernet.kicad_sch

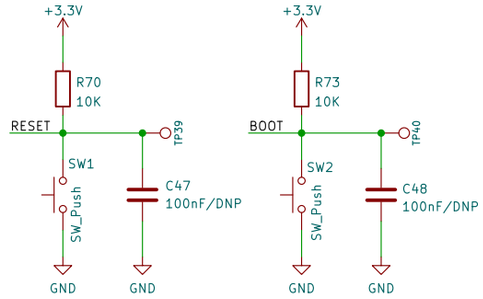
Title: SecSi-Energy-Monitor: Ethernet

Size: A4	Date: 2022-11-01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 2/7

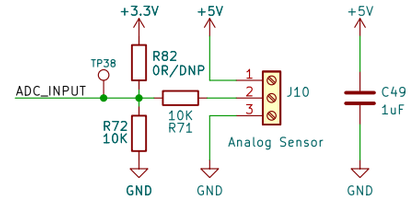
ESP32



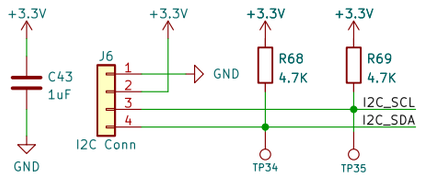
BOOT & RESET



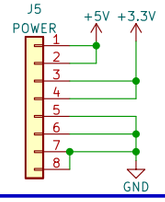
Analog Sensor



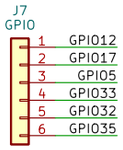
I2C



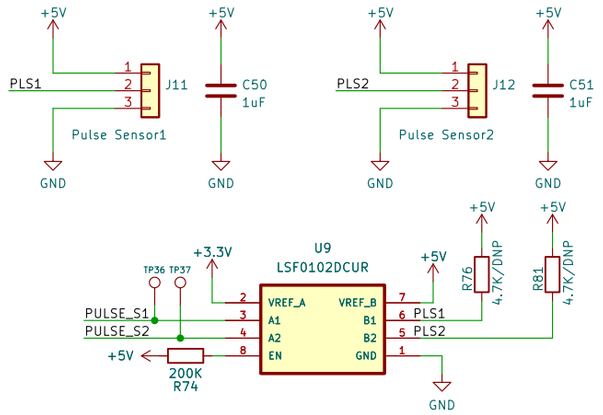
POWER CONNECTOR



GPIOS



Pulse Sensors



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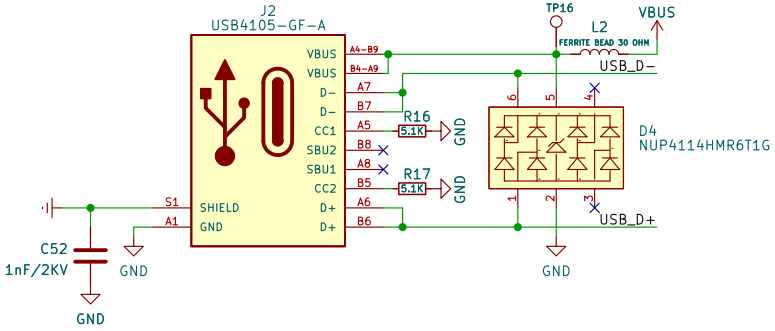
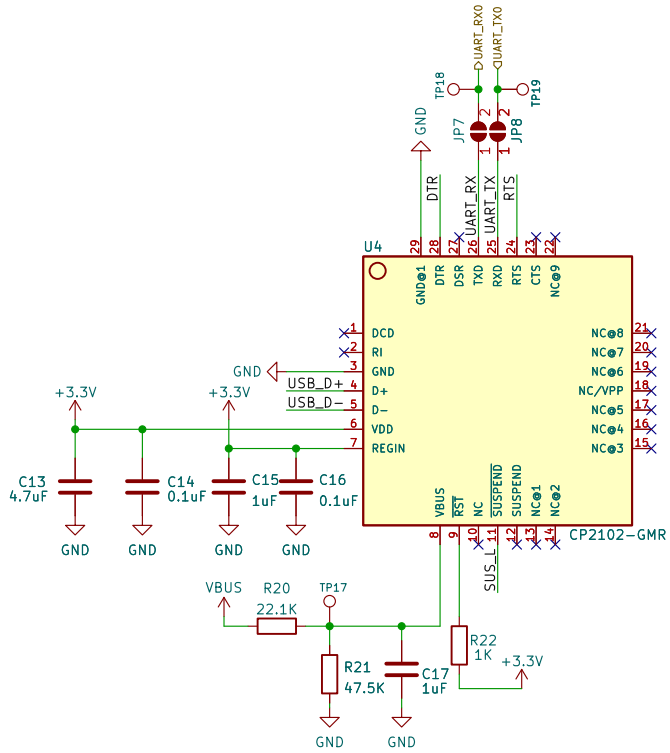
Sheet: /MCU/
File: mcu.kicad_sch

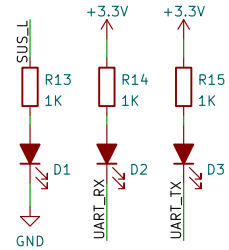
Title: SecSi–Energy–Monitor: MCU

Size: User	Date: 2022–11–01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 3/7

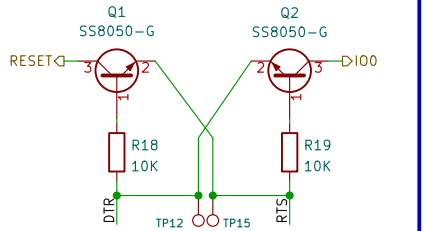




SIGNAL LEDS



AUTOBOOT



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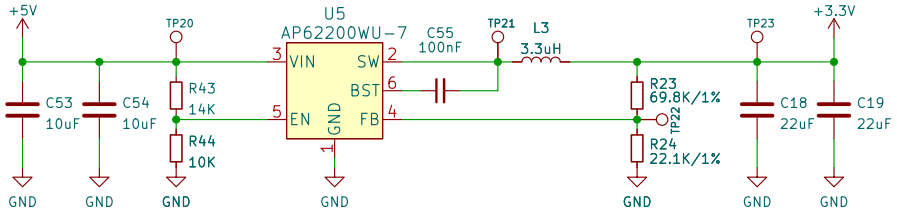
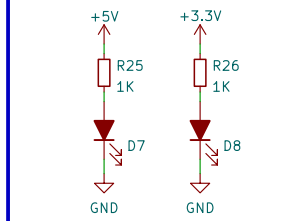
Sheet: /USB to Serial/
File: usb_serial.kicad_sch

Title: SecSi-Energy-Monitor: USB to Serial

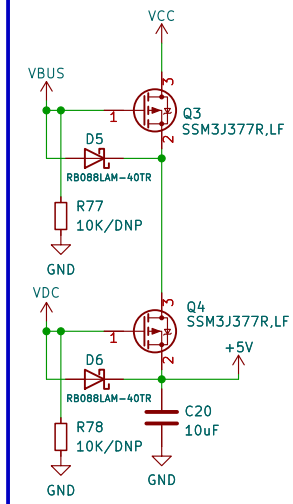
Size: A4	Date: 2022-11-01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 4/7



POWER INDICATOR



POWER SWITCH



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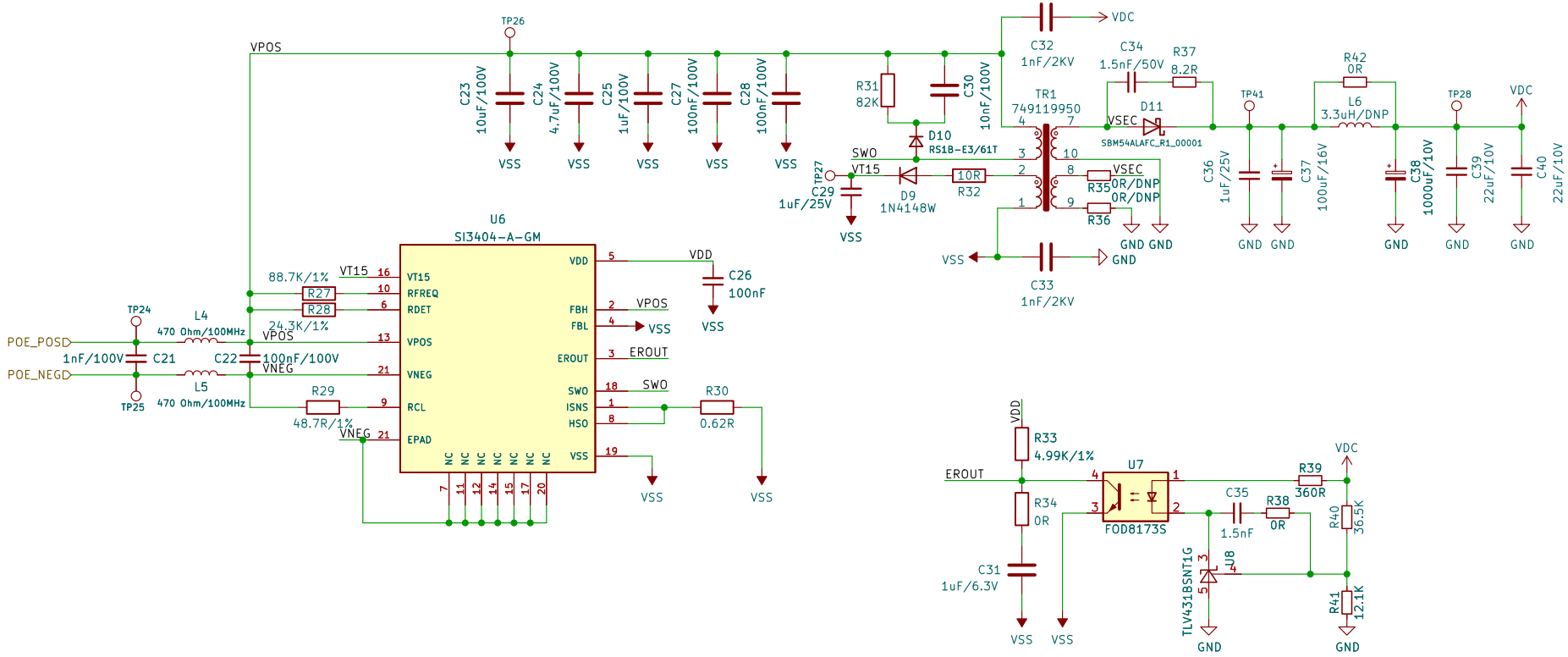
Sheet: /PSU/
File: psu.kicad_sch

Title: SecSi-Energy-Monitor: PSU

Size: A4	Date: 2022-11-01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 5/7



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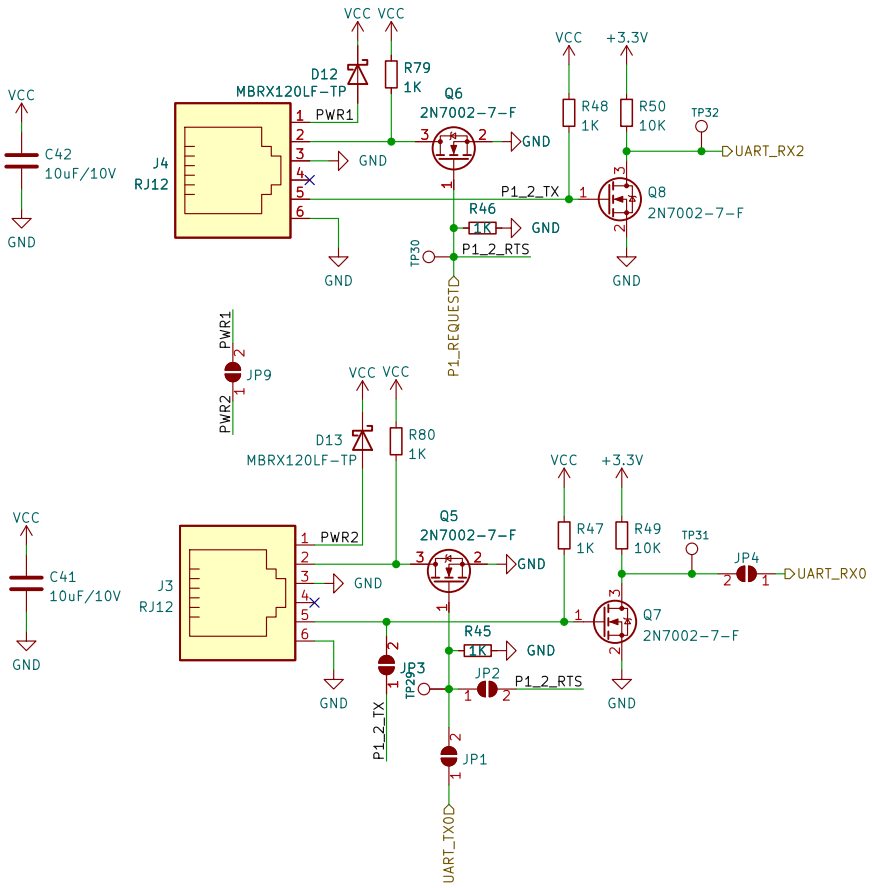
Sheet: /POE/
File: poe.kicad_sch

Title: SecSi-Energy-Monitor: POE

Size: A4	Date: 2022-11-01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 6/7



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Sheet: /P1 Port/
File: p1port.kicad_sch

Title: SecSi-Energy-Monitor: P1 Port

Size: A4	Date: 2022-11-01	**Rev: V1.0**
KiCad E.D.A. kicad (6.0.9)		Id: 7/7