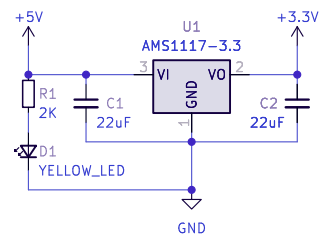
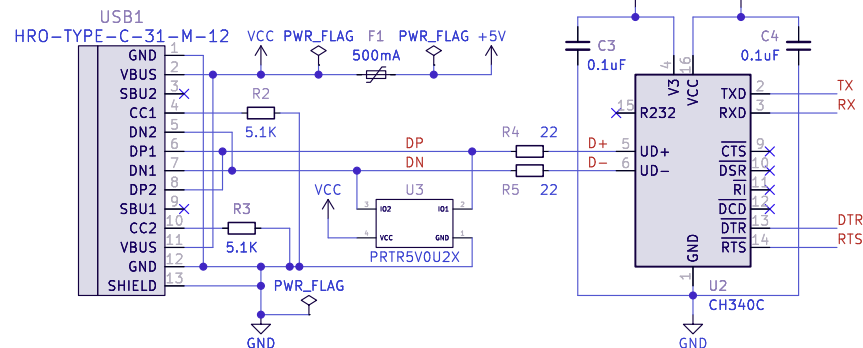


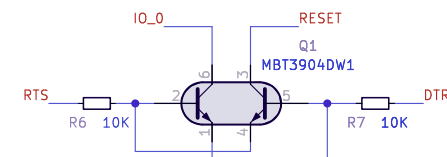
Voltage Regulator 5V to 3.3V



USB To Serial Converter



Auto-Reset

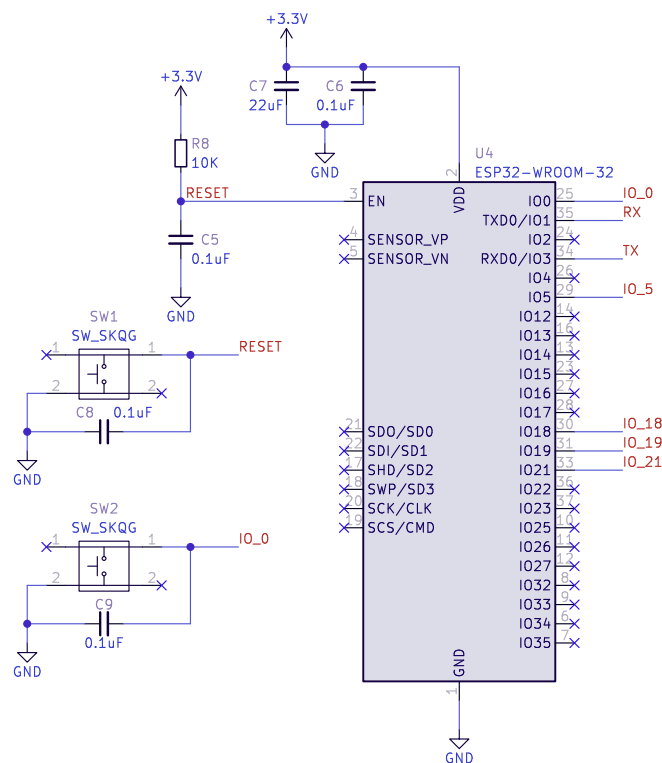


Boot Mode Configuration

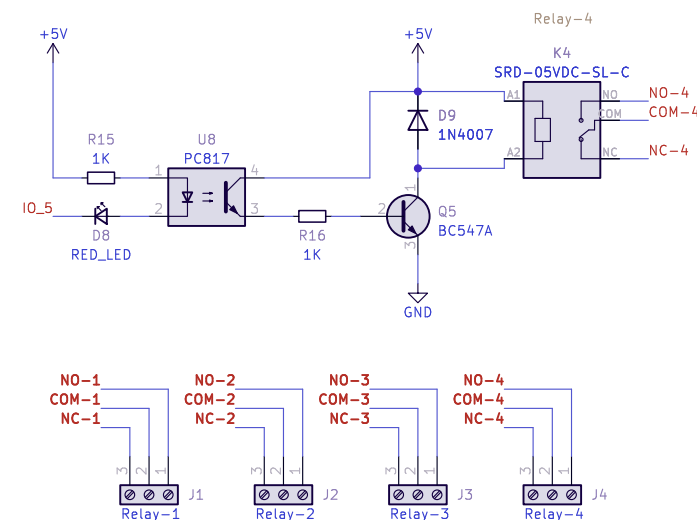
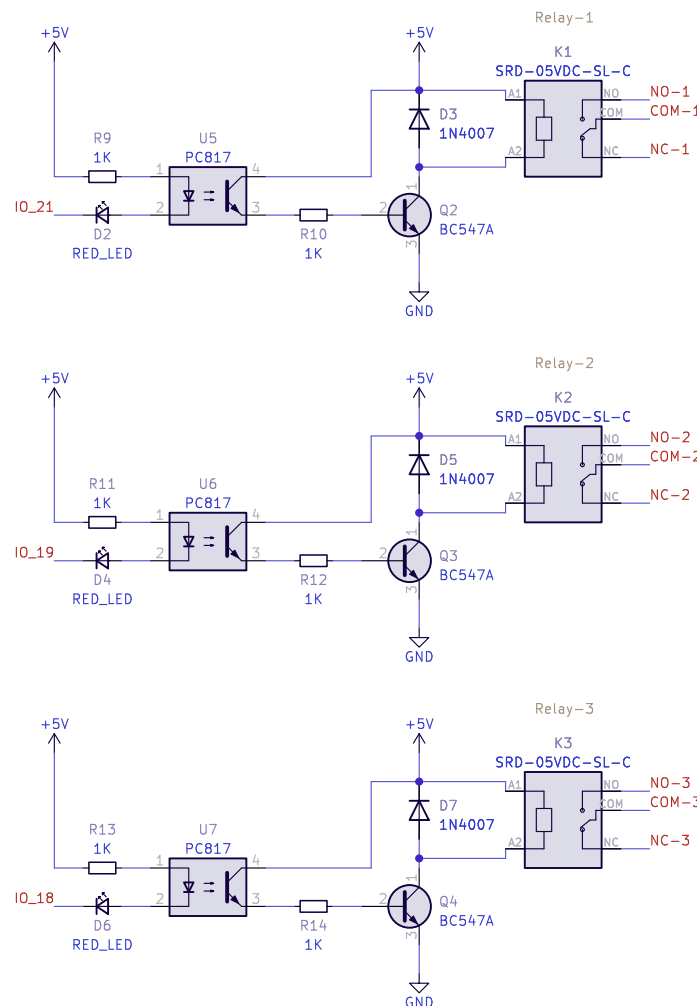
Pin	Run	Bootloader	Default
IO_0	1	0	1
IO_2	X	0	0
IO_5	1	X	1
IO_12 = MDTI	0	0	0
IO_15 = MDTO	X	X	1

If DTR is LOW, toggling RTS from HIGH to LOW resets to run mode.
If RTS is HIGH, toggling DTR from LOW to HIGH resets to bootloader.

ESP32-WROOM-32



4-Channel Relays



Self-Employed

Sheet: /

File: esp32-4-channel-relays.kicad_sch

Title: ESP32 4 Channel Relays

Size: User Date: 2023-03-19

KiCad E.D.A. kicad 7.0.1

Rev:

Id: 1/1