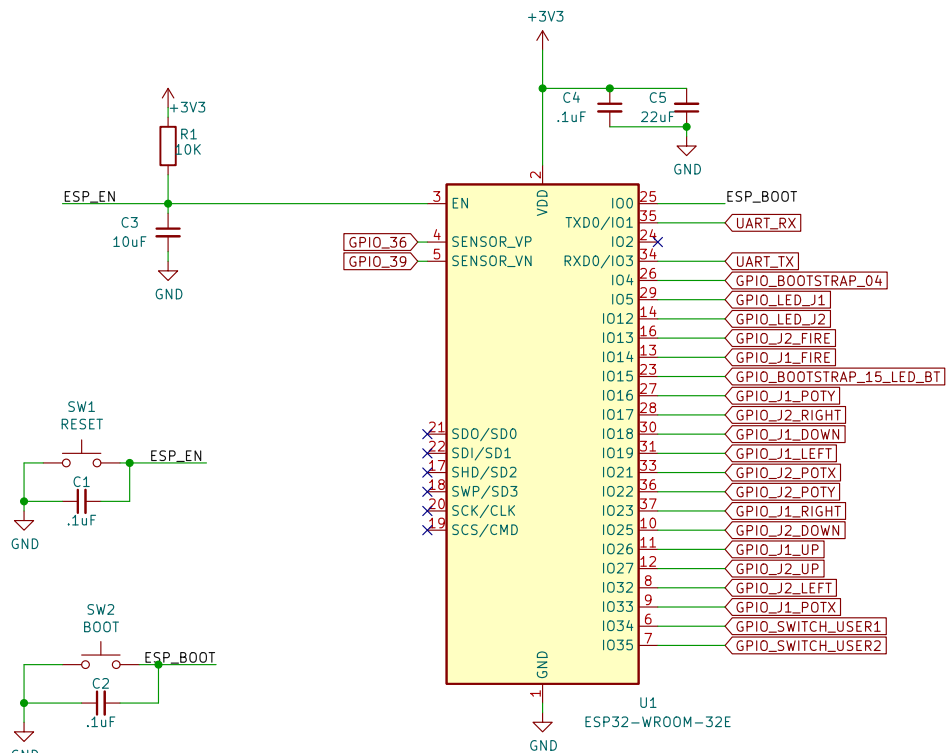


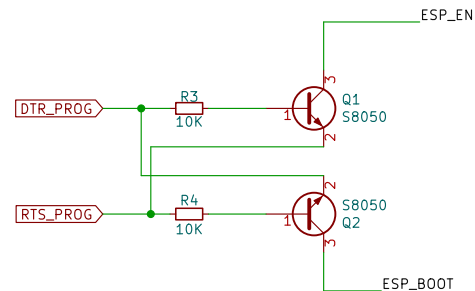
	1	2	3	4	5	6
A						A
B	<div>Amiga Ports</div> <div>File: amiga_ports.kicad_sch</div> <div>ESP32</div> <div>File: esp32.kicad_sch</div> <div>USB Serial & Power</div> <div>File: usb_serial.kicad_sch</div>					B
C						C
D	<div><div></div><div><div>Ricardo Quesada</div><div>Sheet: /</div><div>File: unijoysticle2_a500.kicad_sch</div><div><div>Title: Unijoysticle 2 A500</div><div><div>Size: A4</div><div>Date: 2022-05-15</div><div>Rev: B</div></div><div><div>KiCad E.D.A. kicad (6.0.5)</div><div>Id: 1/4</div></div></div></div></div>					D
	1	2	3	4	5	6

ESP32

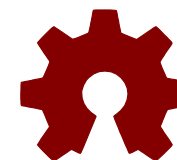
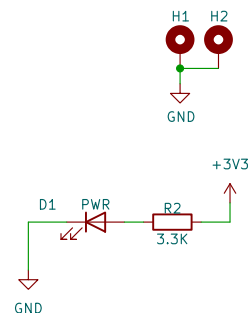


Any ESP32-WROOM-32 should work:
32 or 32D or 32E.
Prefer "E" if available.

AUTO RESET



MISC



Ricardo Quesada

Sheet: /ESP32/

File: esp32.kicad_sch

Title: Unijoysticle 2 A500

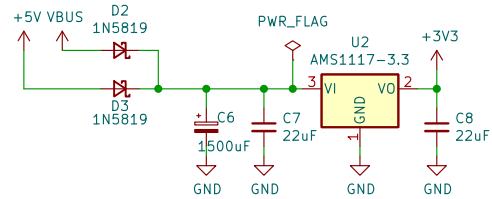
Size: A4 Date: 2022-05-15

KiCad E.D.A. kicad (6.0.5)

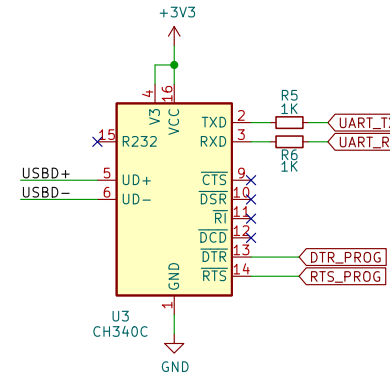
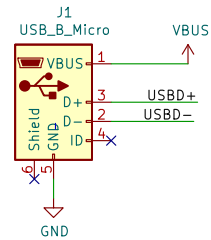
Rev: B

Id: 2/4

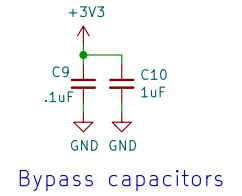
POWER



USB <--> UART



Either CH340B or CH340C.
They are pin compatible.
"B" has more features, but
more expensive.



Ricardo Quesada

Sheet: /USB Serial & Power/
File: usb_serial.kicad_sch

Title: Unijoysticle 2 A500

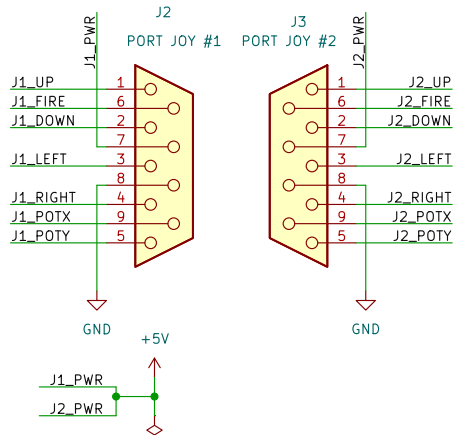
Size: A4 Date: 2022-04-25

KiCad E.D.A. kicad (6.0.5)

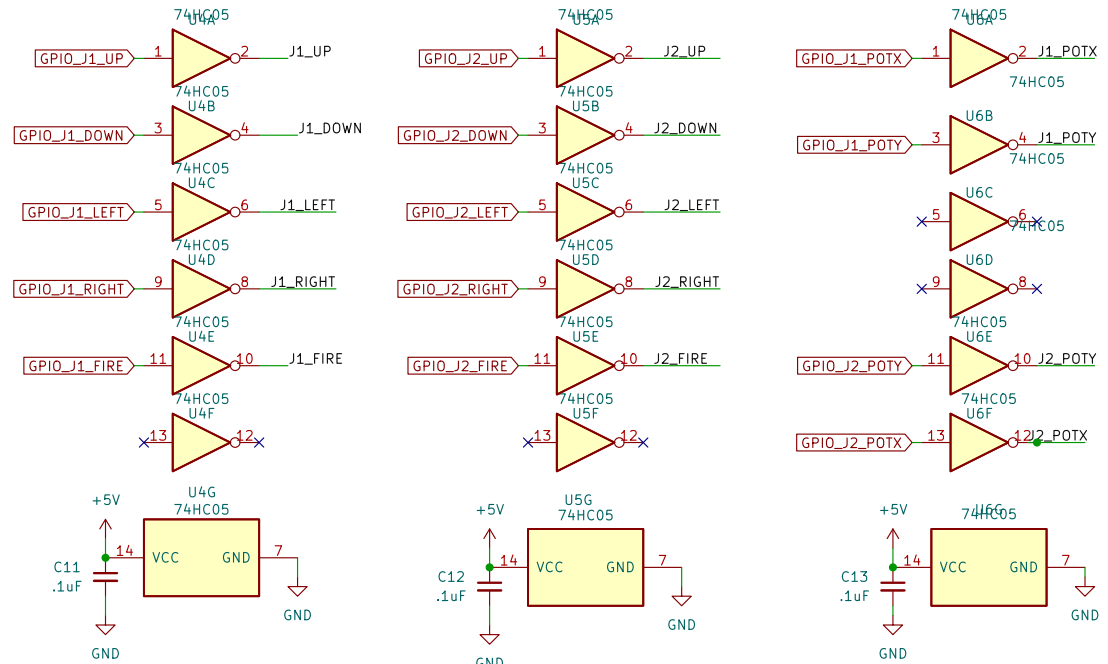
Rev: A

Id: 3/4

DB9 PORTS

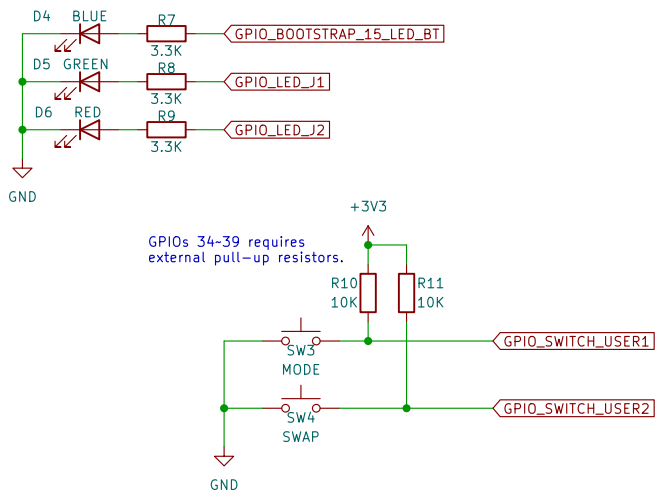


TTL LOGIC



To prevent keyboard and/or other weird issues, 7405 must be connected to C64 power lines (VDD)

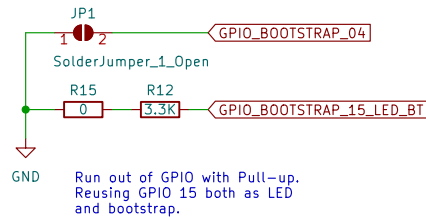
LEDS & SWITCHES



GPIOs 34-39 requires external pull-up resistors.

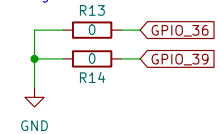
MISC

JP1 JP2 (R15)
Uni 2: open, open
Uni 2+: closed, open
A500: open, closed



Run out of GPIO with Pull-up.
Reusing GPIO 15 both as LED
and bootstrap.

Not used.
These GPIOs don't have pull-up.
Grounding them to be future-compatible.



Ricardo Quesada

Sheet: /Amiga Ports/
File: amiga_ports.kicad_sch

Title: Unijoystick 2 A500

Size: A4 Date: 2022-05-26

KiCad E.D.A. kicad (6.0.5)

Rev: C

Id: 4/4