

Grey - ~~RES~~ DTR

Green - ~~RES~~ RTS

Orange - GPO0 Strapping

Missing ??

→ → SOT~~23~~²³ × 2 → SS8050 (4)

→ → button switch ~~(3)~~ (3)
↳ in bottom right corner

(+) → red (-) → red

→ 1kΩ resistor × 2

Yellow → GPO46 - Strapping

Orange - GPO0 Strapping

White → CHDP-Pu ✓

GPO0 - Strapping

↳ Orange + Resistor

JP1

- SolderJumper 3

Yellow → GP203 - Strapping

CHIP_PU

↳ White to C6

and R11

C6 and C5

+ polarity B off ??

U2 → Power PH

- left (-) → middle (+)

Missing ??

→ → SOT ²³ × 2 → SS8050 (4)

→ → button switch
↳ in bottom right corner
↳ (3)

(+) → red (-) → red

→ ~~1kΩ resistor~~ × 2

Yellow - TXD
Red/Orange - RXD
GREEN - Temp

→ replaced with BC337 NPN

→ ~~SOT 23 (x2) - SS8050 (x2)~~ transistor

○ → AZ11117CH-3.3TRG1(VK) → (x1)

↳ Step-down voltage (Adjust by Apr 25th)

→ ESP32-S3-WROOM(1) → (x1)

Dev

↳ ESP voltage

(Breakout Board Replacement)

○ → IC Op Amp GP-1 Current SOT353 (x2)

↳ TLC4502

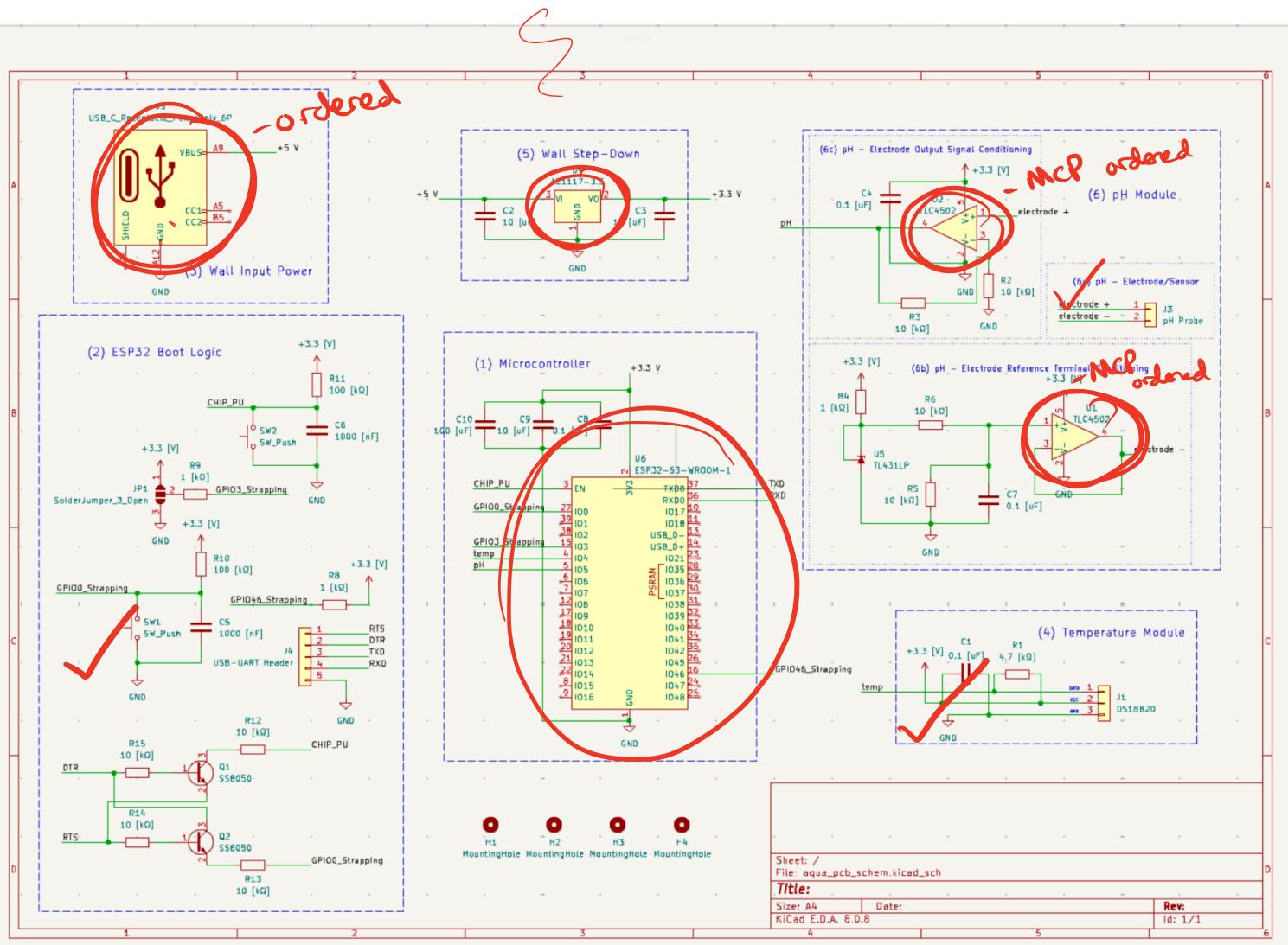
(LM358, TL081, TL072)

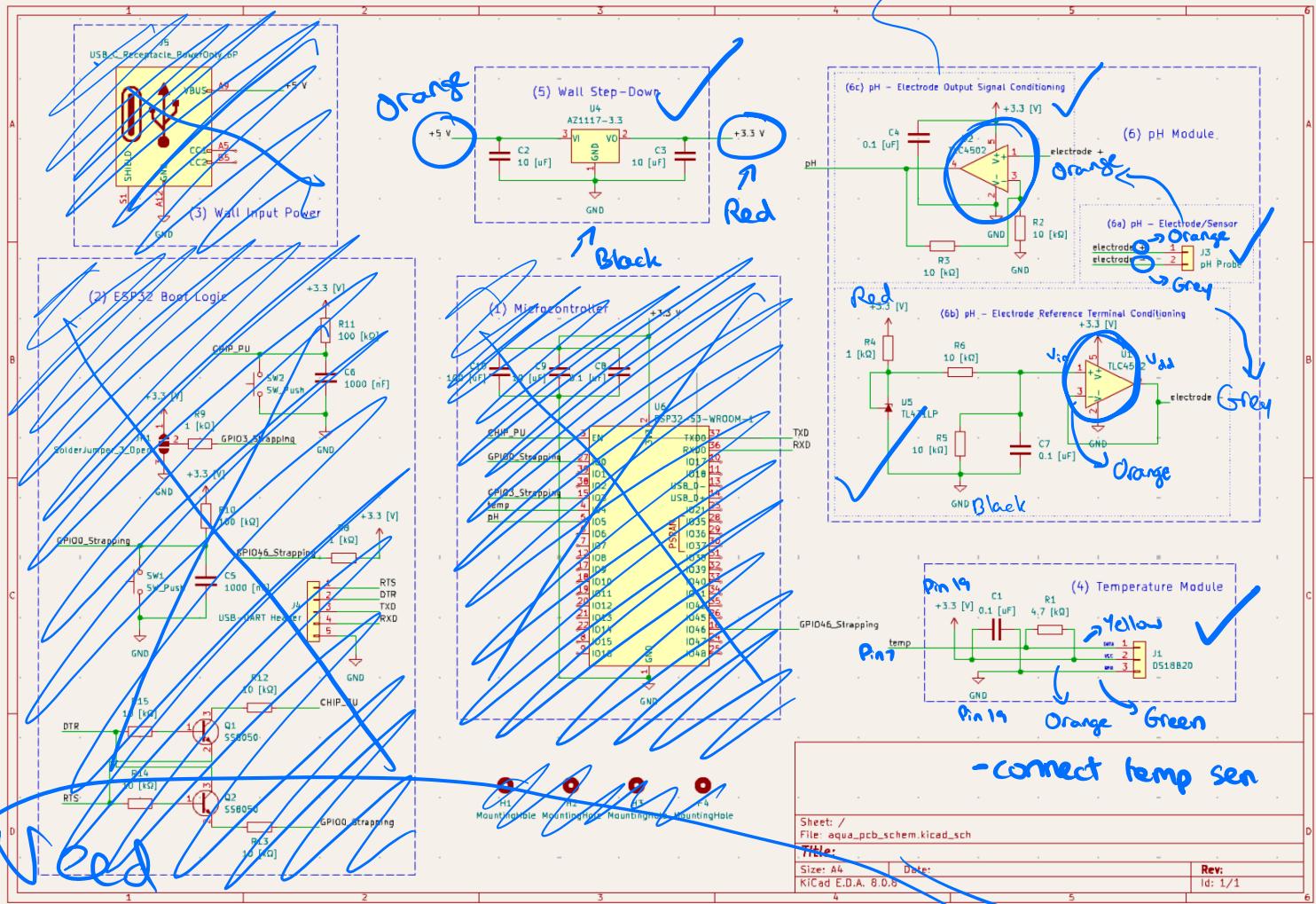
→ CONN REP USB 2.0 TYPE C 24P (x1)

(Amazon - Apr 23/21)

○ → Male to Female Wires (BCEB)

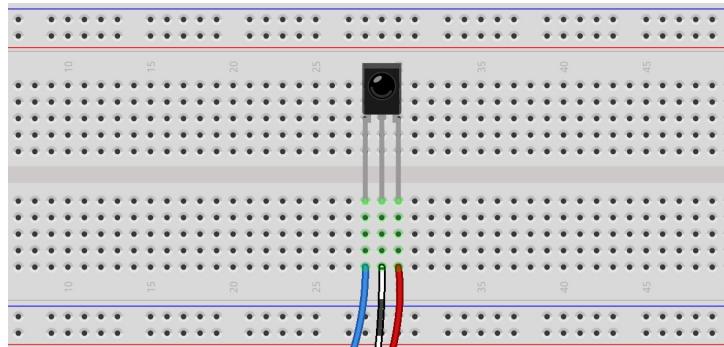
→ USB-to-UART Header (BCEB)





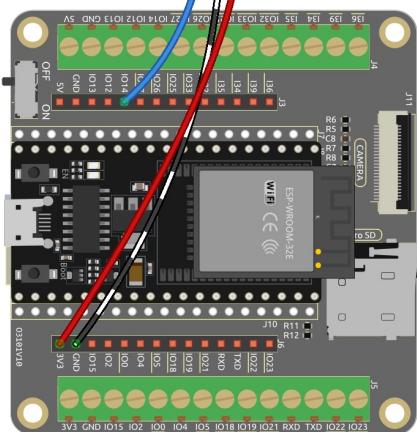
- Schematic for Infrared Sensor

- Schematic for light sensor



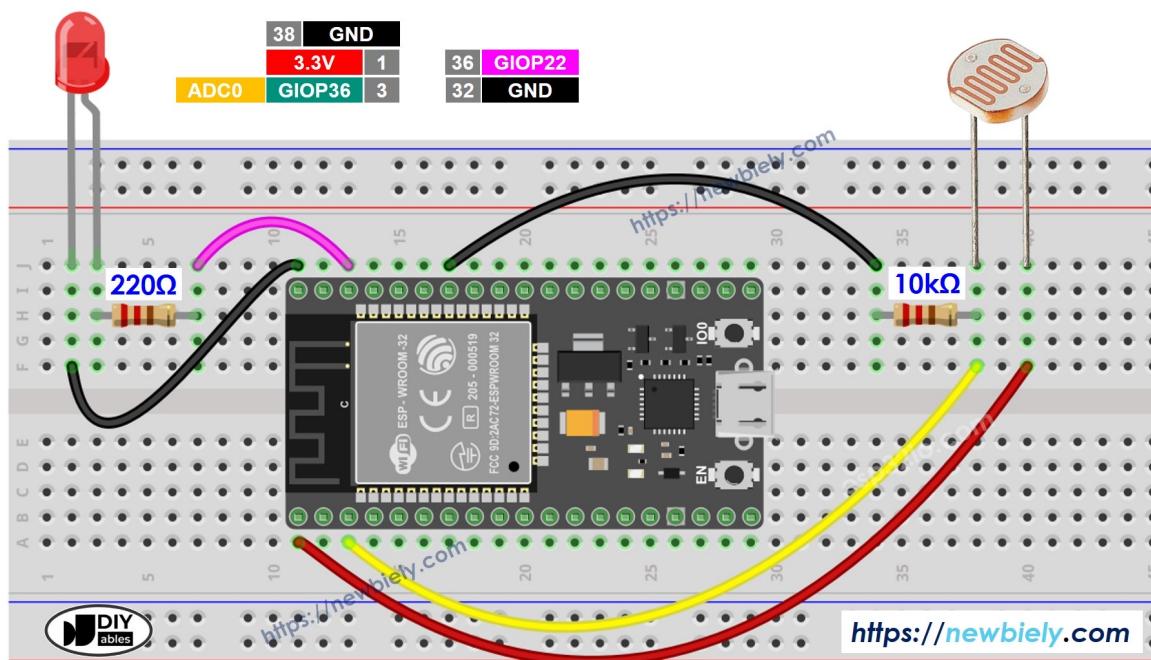
Blue → Grey Wire to **Pin 5**

Pin 5



Red → (+)

Black → (-)



↳ used pin in Orange

LED → Photo resistor

Red \rightarrow (+)

Black \rightarrow (-)