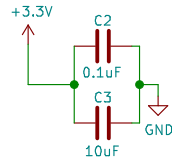
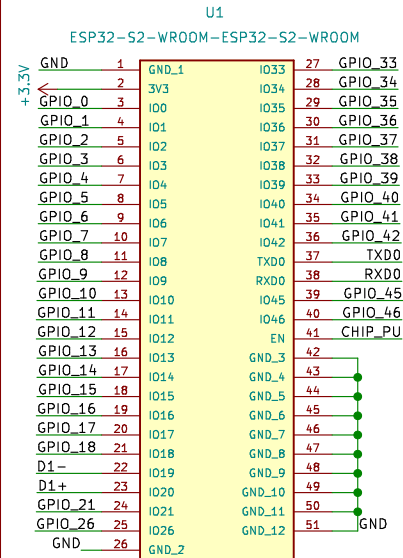


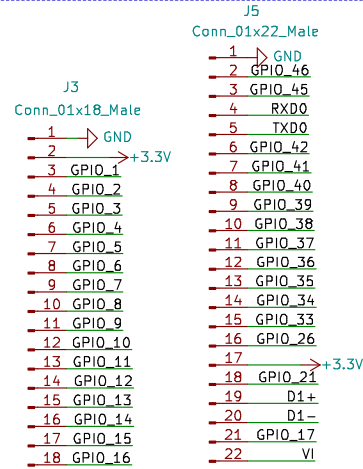
USBee32-S2

ESP32-S2 WROOM RF-Module

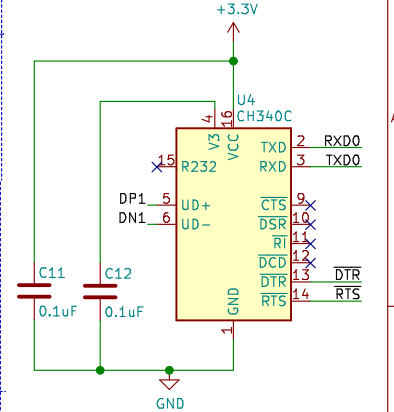
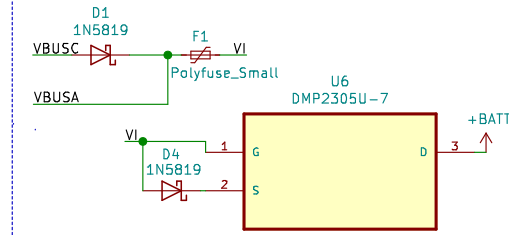


GND → GND

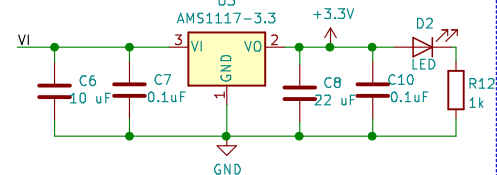
Pin Headers



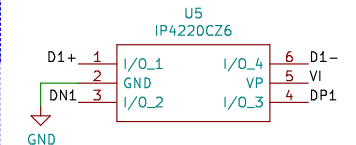
USB-C to UART using CH340C



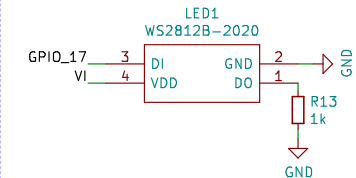
AMS1117 5V-3.3V Regulator



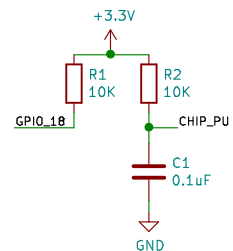
ESD Protection Chip



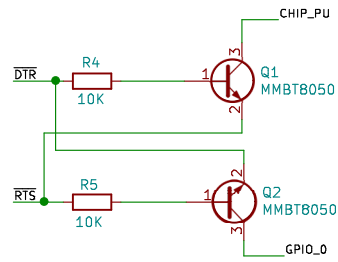
Neopixel



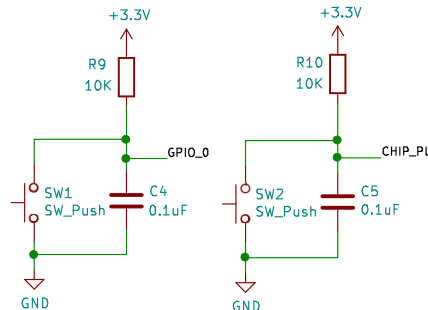
Pull-Up Pins



Auto-Program Circuit



Switches



Connect 4.2 rated 1C Lithium Polymer Battery

$I_{charge} = 1/R_{prog}$
 $I_{charge} = 1/4700$
 $I_{charge} = 213 \text{ mA}$
 where:
 $R_{prog}=R14$ is in Ohms
 I_{charge} is in mA

Sheet: /
 File: USBee32-S2.sch

Title: USBee32-S2

Size: A4 Date:
 KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

Rev:
 Id: 1/1