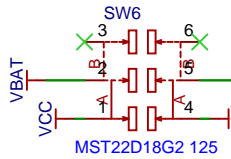
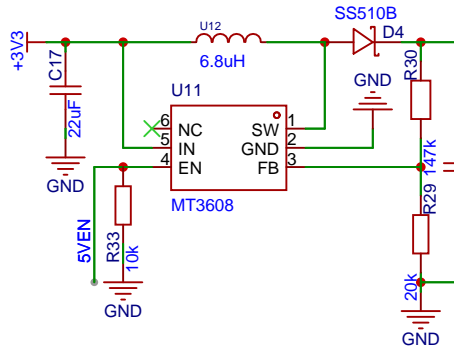


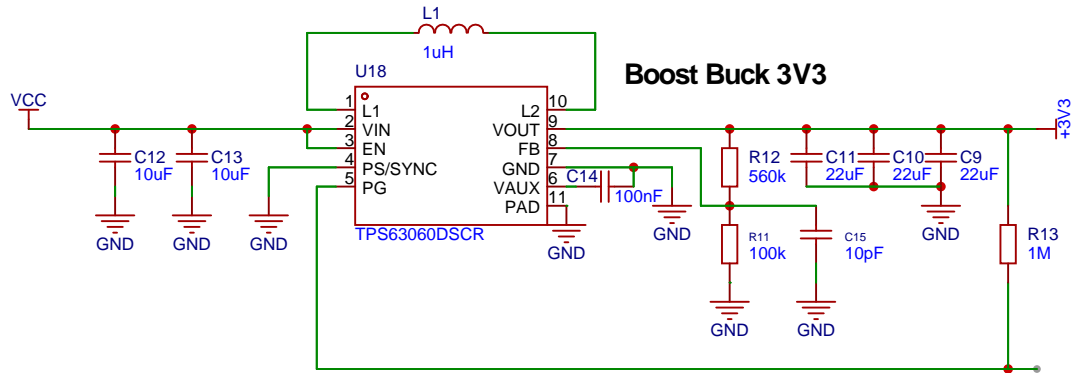
Power Switch



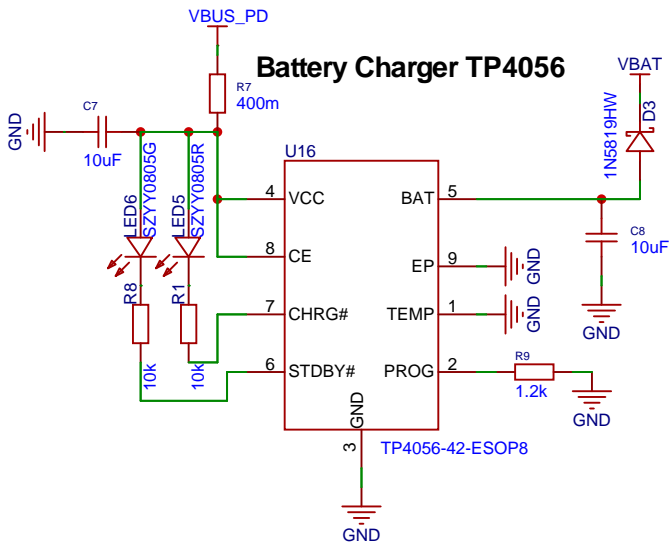
Voltage Boost 3.3V to 5V



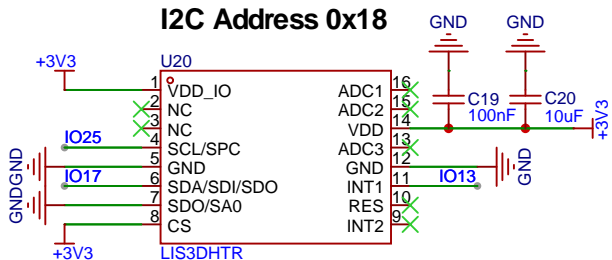
Boost Buck 3V3



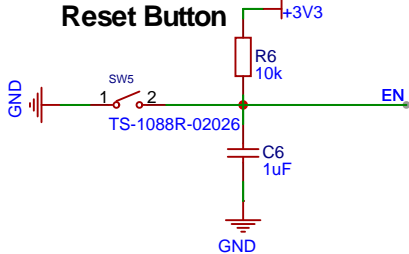
Battery Charger TP4056



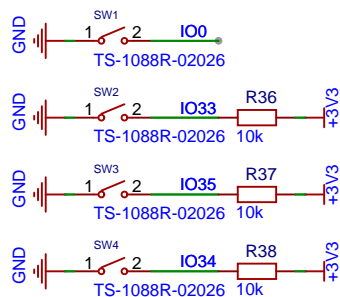
LIS3DHTR Accelerometer
I2C Address 0x18



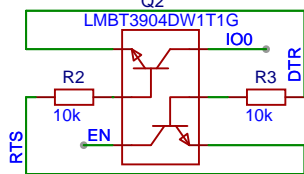
Reset Button



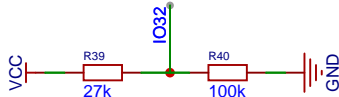
Boot/Function Buttons



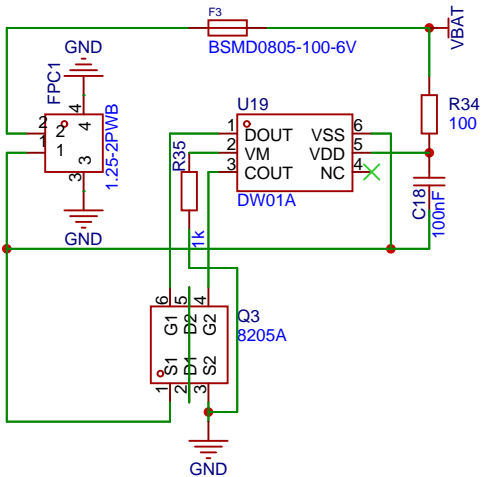
RTS/DTR Circuit



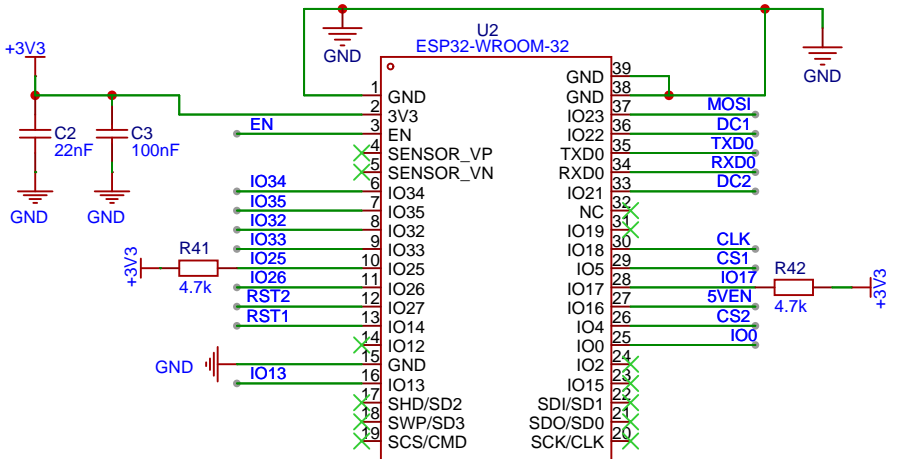
Battery Monitor



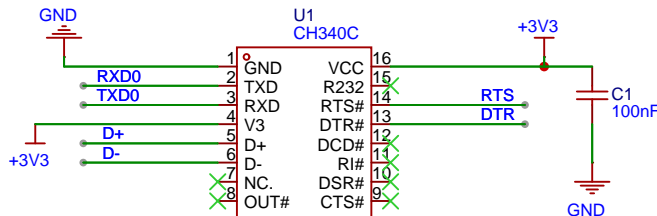
DW01A Battery Protection



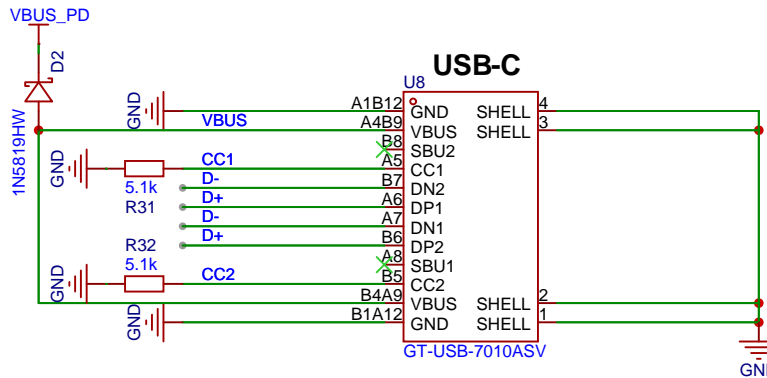
ESP32-WROOM-32-N4



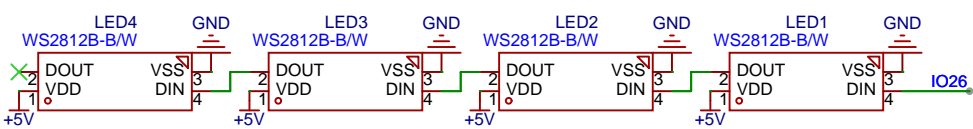
USB-Serial



USB-C



WS2812B



- IO0 Boot/Button 1
- IO2 Strapping
- IO4 CS2
- IO5 CS1
- IO12 Strapping
- IO13 Accelerometer Interrupt
- IO14 RST1
- IO15 Strapping
- IO16 5VEN
- IO18 CLK
- IO19 X
- IO21 DC2
- IO22 DC1
- IO23 MOSI
- IO25 I2C SCL
- IO26 WS2812B
- IO27 RST2
- IO32 Battery Monitor
- IO33 Button 2
- IO34 Button 4
- IO35 Button 3

Schematic	Schematic1		Create at	2025-01-16
Board	Ordered 1-22-2025		Update at	2025-01-22
Drawn		BSides Tag 2		
Reviewed				
		Version	Size	Page 1 Total 1
EasyEDA		V1.0	A4	EasyEDA.com