Block Diagram

- USB-C Port
- Voltage Converter (AP2112k)
- Power Switch
- Reset Button
- Battery Connector
- RGB User LED
- Charging LED
- Fully Charged LED
- Battery Management (MCP73832)
- BL651 Bluetooth+MCU
- Accel/Gyros
- SPI Flash
- nRF52810-based Bluetooth 5.0 ultra-low power consumption Microcontroller
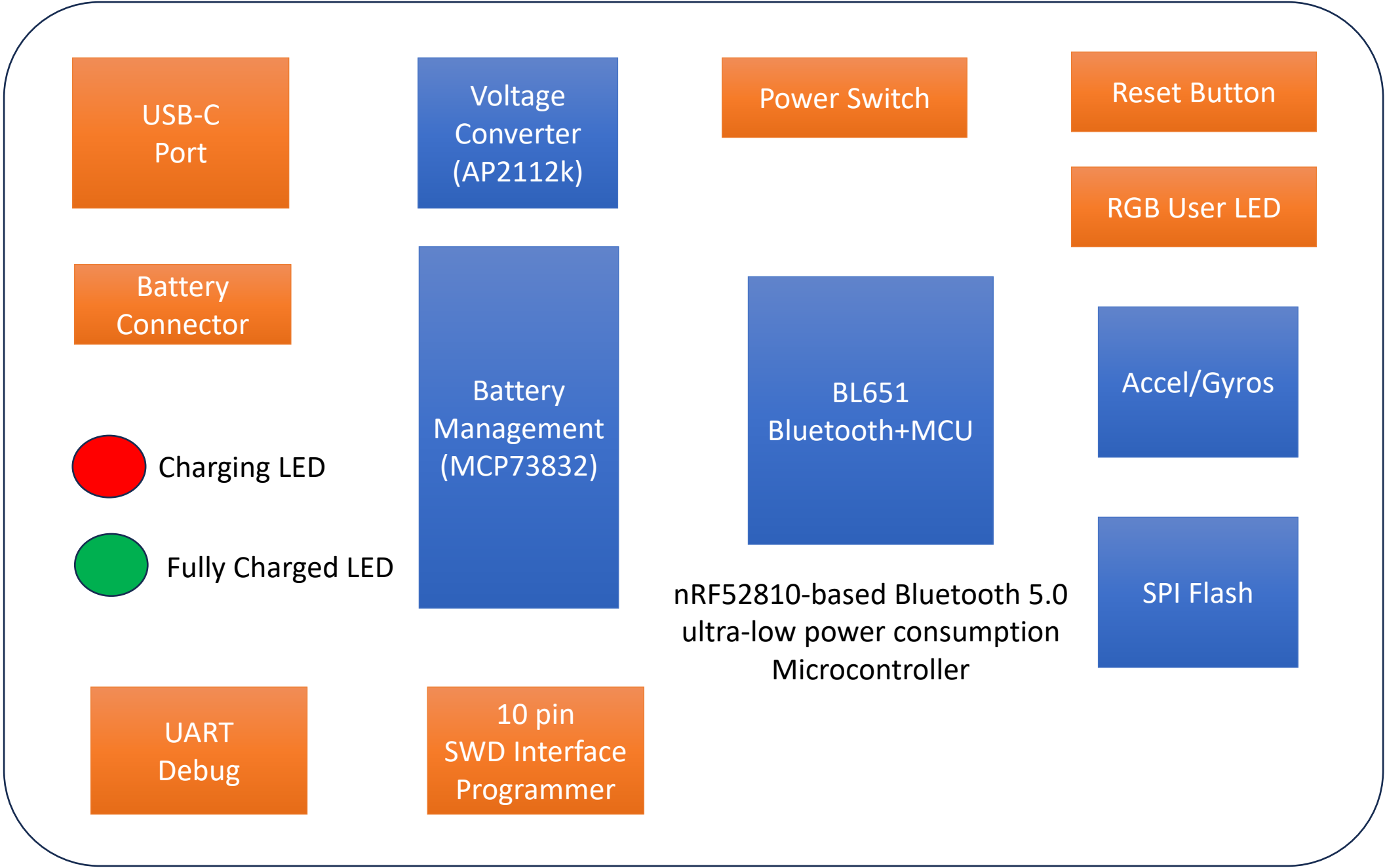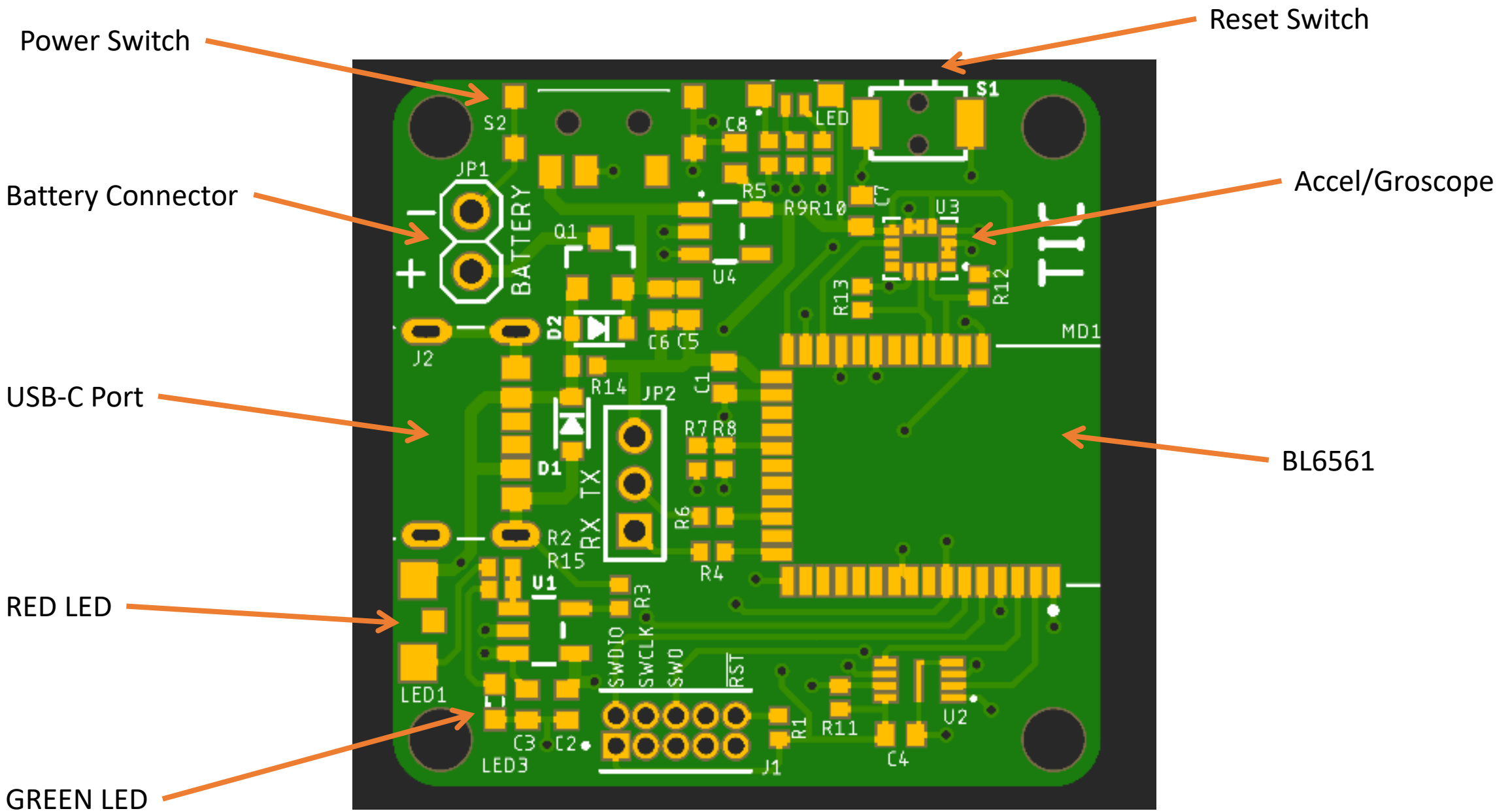- UART Debug
- 10 pin SWD Interface Programmer

Board Size

L x W: 1.18" x 1.18" (30mm x 30mm)

Battery Spec

Part Number: LP24205 Lipo Battery
H x L x W: 2.4mm x 20mm x 25mm
Capacity: 95mAh

Thickness 2.4mm of Ultra-Thin LiPo Battery

Part Number	Capacity (mAh)	Thickness (mm)	Width (mm)	Length (mm)	Voltage
LP241764	200	2.4	17	64	3.7V
LP241838	100	2.4	18	38	3.7V
LP242025	75	2.4	20	25	3.7V
LP242025	75	2.4	20	25	3.7V
LP242025	95	2.4	20	25	3.7V
LP242560	290	2.4	25	60	3.7V
LP243024	90	2.4	30	24	3.7V
LP243024	90	2.4	30	24	3.7V
LP244753	500	2.4	47	53	3.7V
LP244953	600	2.4	49	53	3.7V
LP245066	1060	2.4	50	66	3.7V

Ultra-Thin LiPo Battery
LP291525 3.7V 85mAh
Dimension: 3,2 x 15 x 26mm

Enclosure Design

32mm

32mm