

# Ghostboard MKI

Isometric View ↓

Black anodised aluminum chassis

~18mm

\* CNC Machined Enclosure

USB Type C Port

Switch For

ESC Key

~22mm

Front Side ↑

~18mm

~1.5mm

8mm

1.5mm

1mm

5mm

1mm

black Keycaps

PG1350 low profile switches

Custom PCB

Plastic Divider

Transceiver Module

Plastic Divider

8000mah Battery

Insulating Sheet of Plastic

Button to activate LEDs

Battery Status LEDs

~115mm

~18mm

removable magnetic rubber feet

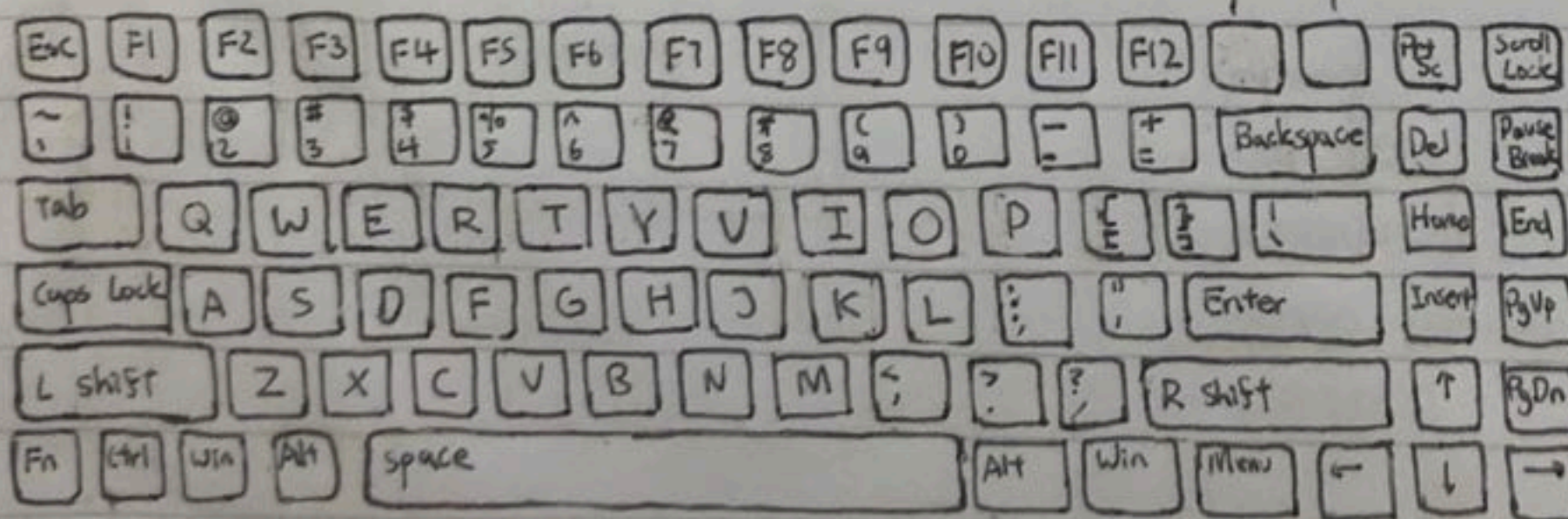
> 8° elevation

Left side ↑

Front Side Cutout ↑

key to toggle through backlighting modes

key to toggle between Win/Mac mode



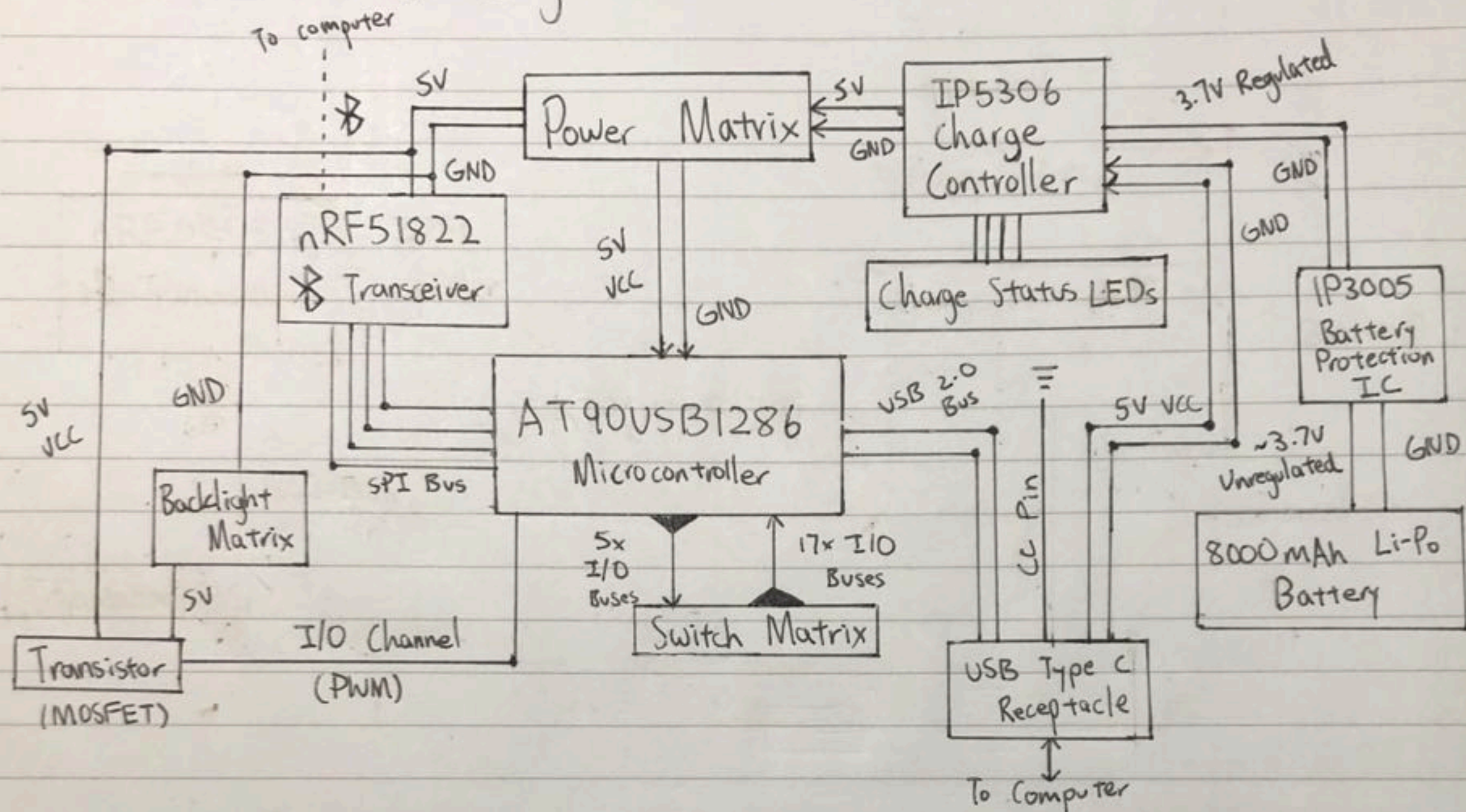
Layout

- modified 60% - TKL hybrid

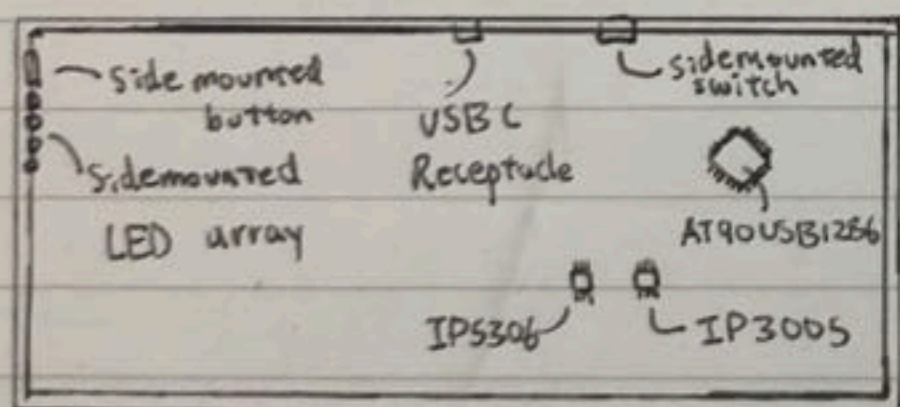
- backlit keycaps



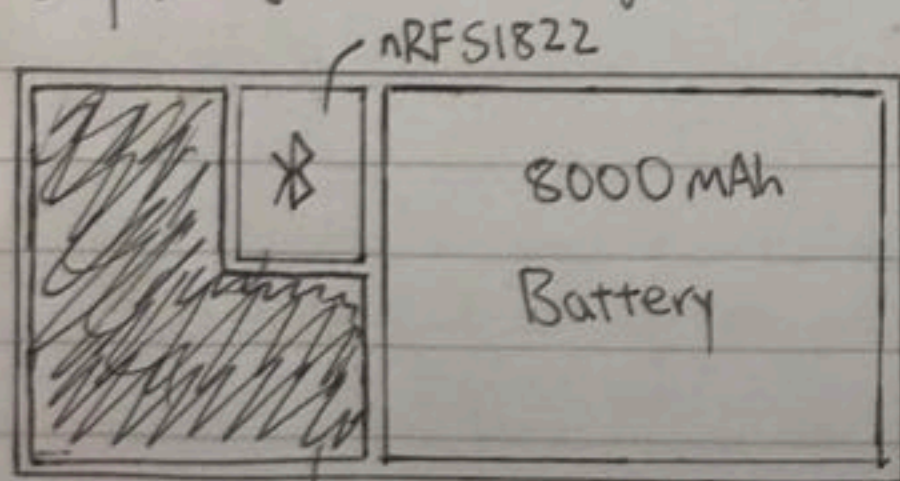
## Electronics Block Diagram (Basic)



## Internal Component Layout



Layer 1 (switch + backlight matrix omitted)



Layer 2

## Components Used

### Power

- 8000 mAh Li-Po
- IP3005
- IP5306
- Sidemount LEDs

### Misc. (electronics)

- Switches (sliding)
- Buttons
- Inductors
- Resistors
- Capacitors
- Custom PCB

### Keyboard

- SMD LEDs
- AT90USB1287
- PG1350 switches
- nRF51822

### Non-electronics

- CNC Aluminum case
- spacer material