Team 16:
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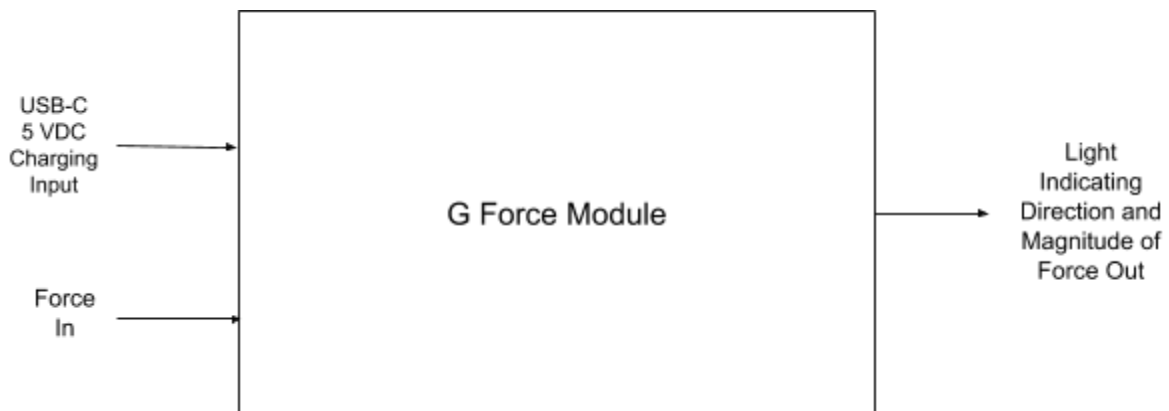System Design: Functional Decomposition

High-Level Diagram:

Figure 1: High-level block diagram

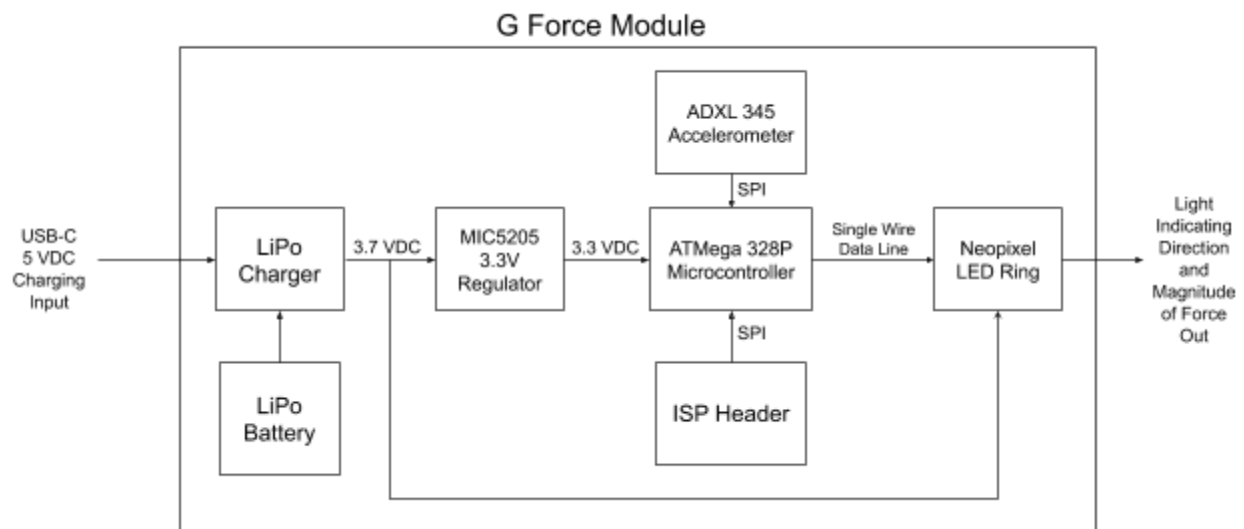## Next-Level Diagram:

Figure 2: Next-level block diagram

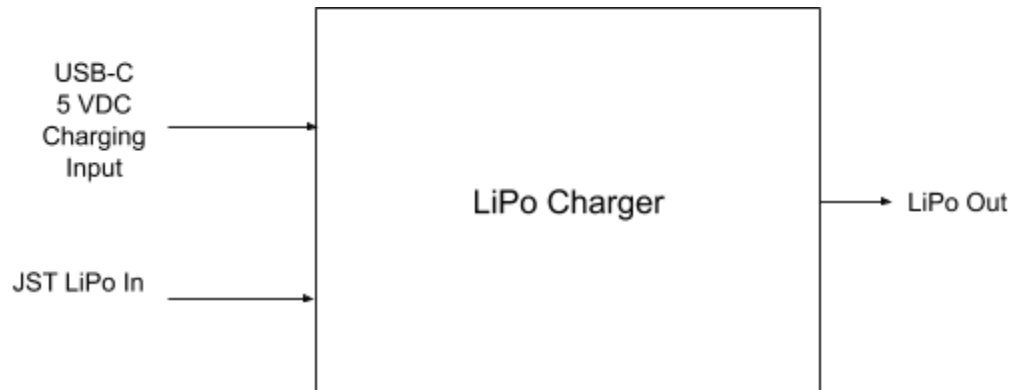## Top-Level Diagrams:

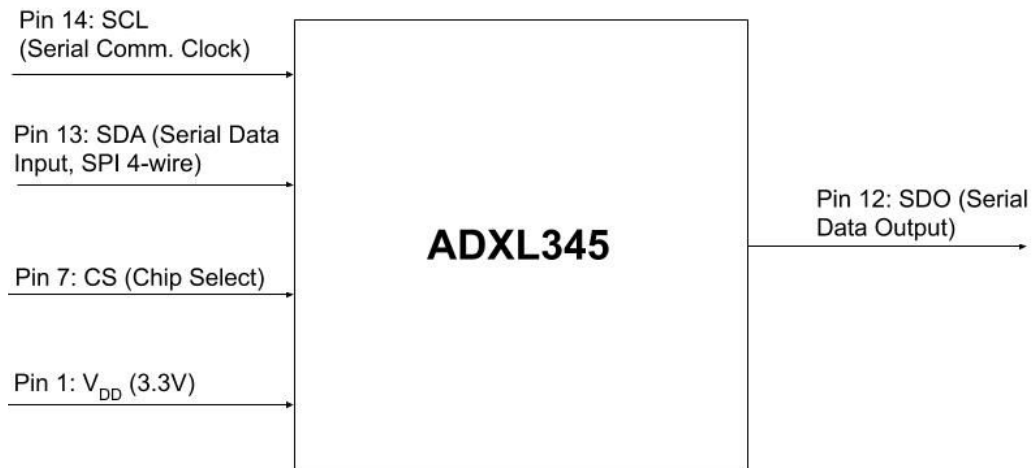Figure 3: LiPo Charger top-level block diagram
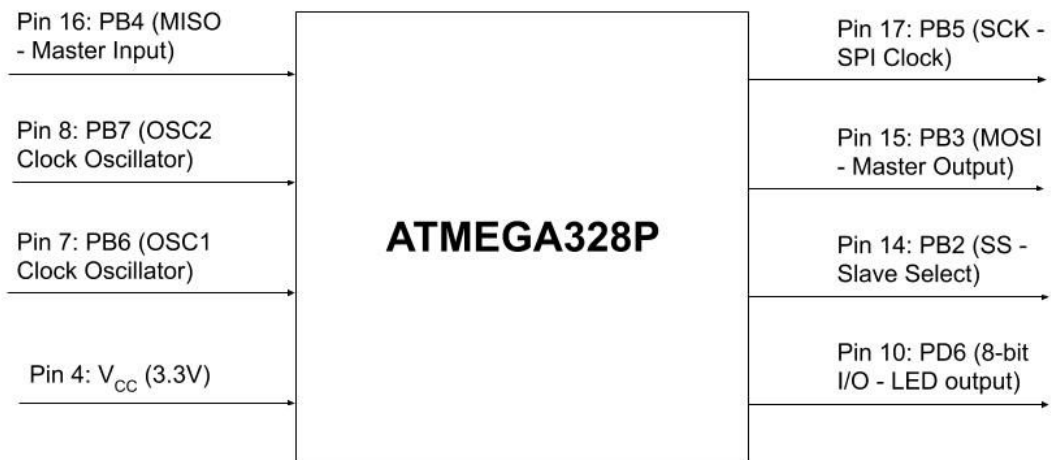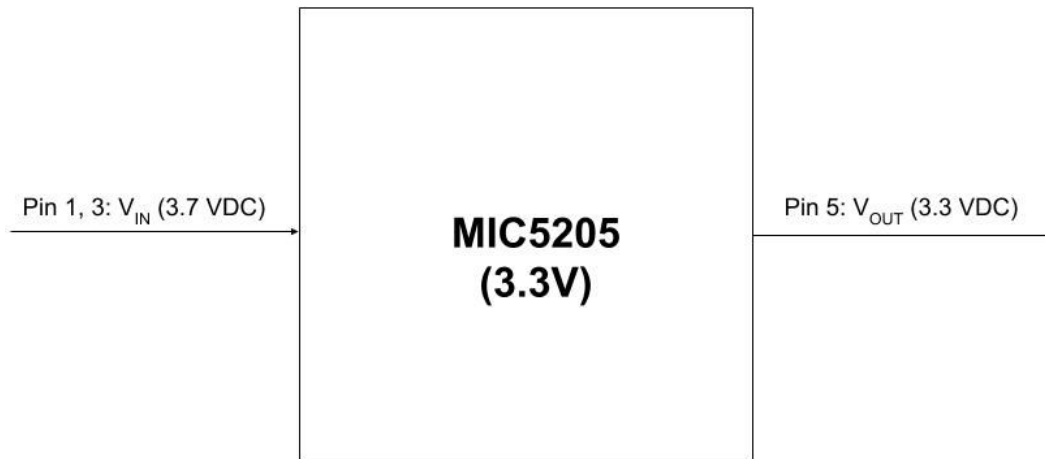

Figure 4: ADXL345 accelerometer

Figure 5: ATMEGA328P

Figure 6: MIC5205 3.3V regulator

Figure 7: NeoPixel LED Ring