

## Scout IoT DevKit Bill of Materials

- (1) Printed Circuit Board - \$33
- (1) 10 $\mu$ F 400V Aluminum Electrolytic Capacitor - \$0.84
- (1) 0 Ohms Jumper 0.25W, 1/4W Chip Resistor 1206 - \$0.10
- (1) MSP430FR5994 64-pin Microcontroller - \$7.77
- (3) Omron tactile switches, B3F-1000 - \$0.25 ea
- (3) Seeed Grove Connectors - \$0.15 ea
- (1) 47 Kohm resistor, surface mounted - \$0.16
- (2) 220 Ohm resistor, surface mounted - \$0.16 ea
- (1) 1 nF capacitor, surface mounted - \$0.14
- (4) 100 nF capacitors, surface mounted - \$0.10 ea
- (1) red LED - \$0.22
- (1) yellow LED - \$0.21
- (1) ESP32 WiFi IC - \$4.50
- (1) AMS1117 Buck Converter Module - \$2.00

Total Cost for Prototype: \$50.86