

Bill of Material

Product Name:	Poor Man's Tracker				
Customer Name:	Skinny Research and Development				
Date:	03/26/2020				
Item #	Description	Vendor	Vendor Part Number	Manufacturer Part Number	Quantity
1	Poor Man's Tracker PCB	SkinnyR&D	PMT1.0	PMT1.0	1
2	ESP32-PICO-D4 Development Kit	Digikey	1904-1029-1-ND	ESP32-PICO-D4	1
3	NEO-M8N GPS Breakout Board	Newegg	9SIADG45WH8677	NEO-M8N-0-10	1
4	MicroSD Breakout Board	Digikey	1568-1345-ND	BOB-00544	1
5	MicroCenter 16GB Class 10 MicroSD	Amazon	B07K835MNR	MICROSD16GBCL10	1
6	Triple Axis Accelerometer	Adafruit	2809	LIS3DH	1
7	3.3V Linear Voltage Regulator	Digikey	AZ2940T-3.3E1DI-ND	AZ2940T-3.3E1	1
8	2.2uF Ceramic Capacitor	Digikey	445-173575-1-ND	FG28X5R1E225KRT06	1
9	0.47uF Ceramic Capacitor	Digikey	445-180818-1-ND	FG14X7R1E474KNT06	1
10	5mm Pitch PCB Mount Screw Terminal	Amazon	B07SZFGH4B	TERMINAL-234P-50	1
11	RGB LED 20 mA	Digikey	754-1615-ND	WP154A4SUREQBFZGC	2
12	100-Ohm 1/4 Watt Resistor	Digikey	CF14JT100RCT-ND	CF14JT100R	2
13	LIPO Battery Connector	Digikey	455-1719-ND	S2B-PH-K-S(LF)(SN)	1
14	Vertical Slide Switch	Amazon	B007QAJUUS	a12013100ux0116	1/50
15	M3x10mm Female PCB Standoffs	Amazon	B00NQ87PVK	a14050600ux1057	4/50
16	M3x6mm Screws	Amazon	B07VBX4QL4	X2019050439	4/50