

Bill of Materials							
Component	Description	Part	Quantity Per PCB	Price Individual	Price Total	Purchase Link	Datasheet
1	Teensy 3.2	Microcontroller	1	\$19.80		https://www.sparkfun.com/products/13736	https://cdn.sparkfun.com/assets/0/1/4/a/c/K20P64M72SF1.pdf
2	User Display		1	\$9.95	\$9.95	https://www.adafruit.com/product/931	https://cdn-shop.adafruit.com/datasheets/UG-2864HSWEG01.pdf
3	Distance Sensor		2	\$3.95	\$7.90	https://www.adafruit.com/product/4007	https://cdn-shop.adafruit.com/product-files/4007/4007_diagram.png
4	Color Sensor		1	\$1.29	\$1.29	https://www.mouser.com/ProductDetail/ON-Semiconductor/2149QRD1114-192054.pdf	https://www.mouser.com/datasheet/2/149/QRD1114-192054.pdf
5	Thin White Wheel		2	\$1.50	\$3.00	https://www.adafruit.com/product/3763	https://cdn-shop.adafruit.com/product-files/3763/3763_diagram.jpg
6	Adafruit DRV883 Motor Driver		1	\$4.95	\$4.95	https://www.adafruit.com/product/3297	https://cdn-learn.adafruit.com/assets/assets/000/039/902/original/drv8833.pdf?1488941266
7	DC Gearbox Mot DC Motor		2	\$2.95	\$5.90	https://www.adafruit.com/product/3777	https://cdn-shop.adafruit.com/product-files/3777/3777_diagram.jpg
8	PCB		1	\$43.40	\$43.40		
9	Rotary Encoder		2	\$1.50	\$8.99	https://www.amazon.com/Cylewet-Encoder-15%C3%971	https://www.handsontec.com/dataspecs/module/Rotary%20Encoder.pdf
Grand Total					\$105.15		