

Bill Of Materials for:	Team 13
Last modified:	12/12/2025
PCB version:	1
BOM revision:	2

Qty	Reference Designators	Mfr	Mfr Part Number	Description	Dist	Dist Part Number	Cost Ea.	Cost Total
	R1, R3	Velleman		2131039 220 Ohms E12-Series 1/4 Watt 5% Resistor Assortment 10	Jameco	K/RES-E12		
1	R2	Velleman		2131039 4.7 kOhms E12-Series 1/4 Watt 5% Resistor Assortment 10	Jameco	K/RES-E12	11.95	\$11.95
1	BZ1	US.RS		1797445 RS PRO 1797445 BUZZER ELECTRO MECH 2-4VP-P PCB PINS 70D i	RS PRO	71836374	0.72	\$0.72
1	D1	Würth Elektronik	151051RS11000	Red 645nm LED Indication - Discrete 2.1V Radial	Digi-Key	732-5016-ND	0.15	\$0.15
1	BT1	Jauch Quartz	CR2032	Coin, 20.0mm Lithium Manganese Dioxide 3 V Battery Non-Rechz	Digi-Key	1908-CR2032-ND	0.32	\$0.32
3	U1	Adafruit Industri		5980 RP2040 Qwiic, STEMMA QT - ARM® Cortex®-M0+ MCU 32-Bit Em	Digi-Key	1528-5980-ND	14.95	\$44.85
3	U2	STMicroelectron	LIS2DH12TR	Accelerometer X, Y, Z Axis ±2g, 4g, 8g, 16g 0.5Hz ~ 672Hz 12-LGA	Digi-Key	497-14851-1-ND	1.38	\$4.14
3	U3	UMW	LM2576HVS-3.3	Buck Switching Regulator IC Positive Fixed 1 Output 3A TO-263-6,	Digi-Key	4518-LM2576HVS-3.3CT-NI	6.63	\$19.89
3	DS1	Adafruit Industri	Adafruit Industries LLC	Graphic LCD Display Module White OLED - Passive Matrix I2C, SPI	Digi-Key	1528-1220-ND	17.5	\$52.50
5	BT1	MULTICOMP PRC	BC-2001	RETAINER CLIP, 20MM, SMT	Newark	73T8301	0.36	\$1.80
TOTAL:								\$136.32

VERSION INFO

Rev	Date
2	2025-12-12

1.0r0 2020-11-12