

Description	Quantity in board	How many to order	Cost per part	Order cost	Manufacturer Part #	Catalog #
Arcade Button - 30mm Translucent Clear	1	4	\$5.95	\$23.80	Product ID: 471	Adafruit
Arcade Button Quick-Connect Wire Pairs - 0.11" (10 pack)	1	1	\$4.95	\$4.95	Product ID: 1152	Adafruit
Lithium Ion Cylindrical Battery - 3.7v 2200mAh	1	4	\$9.95	\$39.80	ICR18650 2200mAh 3.7V	Adafruit
NeoPixel Side-Light RGB LED w/ Integrated Driver Chip - 10-pack - SK6812B 4020	8	8	\$3.95	\$31.60	Product ID: 4691	Adafruit
0603 ±1% 1/10-W 1-kΩ resistor	5	50	N/A	N/A	RC0603FR-071KL	311-1.00KHRCT-ND
0603 ±1% 1/10-W 27.4-Ω resistor	2	20	N/A	N/A	RC0603FR-0727R4L	311-27.4HRCT-ND
0603 ±1% 1/10-W 5.1-kΩ resistor	2	20	N/A	N/A	ERJ-3EKF5101V	P5.10KHCT-ND
0603 25-V X7R 1-μF ceramic capacitor	2	20	N/A	N/A	CL10B105KA8NNNC	1276-1184-1-ND
0603 50-V X7R 0.1-μF ceramic capacitor	15	150	N/A	N/A	CL10B104JB8NNNC	1276-1033-1-ND
0805 25-V X5R 10-μF ceramic capacitor	5	50	N/A	N/A	CC0805KKX5R8BB106	311-1869-1-ND
0805 blue LED	1	10	N/A	N/A	LTST-C170TBKT	160-1579-1-ND
0805 green LED	1	10	N/A	N/A	LTST-C170TGKT	160-1887-1-ND
0805 red LED	1	10	N/A	N/A	LTST-C171KRKT	160-1427-1-ND
3-axis accelerometer	1	10	N/A	N/A	ADXL362	Adafruit
BM71BLES1FC2 Bluetooth Module	1	10	N/A	N/A	BM71BLES1FC2-0B04AA	BM71BLES1FC2-0B04AA-ND
Ceramic resonator 12.0000-MHz, 33pF	1	10	N/A	N/A	CSTNE12M0G55A000R0	490-17944-1-ND
MCP1702 3.3-V, 250-mA, LDO linear regulator, SOT-23-3	1	10	N/A	N/A	MCP1702T-3302E/CB	MCP1702T-3302E/CBCT-ND
RP2040 microcontroller	1	10	N/A	N/A	SC0914(13)	2648-SC0914(13)CT-ND
Tactile switch, SPST-NO, 0.02-A, 15-V	1	10	N/A	N/A	KTX 321 LHS	CKN10778CT-ND
Tactile switch, SPST-NO, 0.05-A, 12-V	1	10	N/A	N/A	TL3301AF160QJ	EG4374CT-ND
USB2.0 type C connector	1	10	N/A	N/A	USB4105-GF-A	2073-USB4105-GF-ACT-ND
W25Q128JV 128-Mb, SPI/QSPI flash memory, 8WSO	1	10	N/A	N/A	W25Q128JVPIM TR	W25Q128JVPIMCT-ND
0603 ±1% 1/10-W 10-kΩ resistor	3	30	\$0.02	\$0.63	RC0603FR-0710KL	311-10.0KHRTR-ND
0603 ±1% 1/10-W 11-kΩ resistor	1	10	\$0.02	\$0.21	RC0603FR-0711KL	311-11.0KHRTR-ND
0603 ±1% 1/10-W 40.2-kΩ resistor	1	10	\$0.02	\$0.21	RC0603FR-1340K2L	13-RC0603FR-1340K2LTR-ND
Battery IC for charging	1	10	\$0.76	\$7.60	MCP73831T-2ACI/OT	MCP73831T-2ACI/OTTR-ND
CMOS Inverter (74AHC1G14SE-7)	1	10	\$0.24	\$2.39	74AHC1G14SE-7	74AHC1G14SE-7DITR-ND
JST-PH 2-Pin SMT Right Angle Connector	2	20	\$0.47	\$9.48	S2B-PH-SM4-TB(LF)(SN)	455-1749-2-ND
MOSFET (PMGD290UCEAX)	1	10	\$0.35	\$3.53	PMGD290UCEAX	1727-1354-2-ND
On-Off Switch (PCM12SMTR)	1	10	\$0.93	\$9.31	PCM12SMTR	401-2016-2-ND
RGB LED Discrete	1	10	\$0.33	\$3.30	IN-S85TATRGB	1830-1086-2-ND