

Description	Component	for what	Part's Name	Part's Type	Price Per Unit	Quantity	Total	Manufacturer's ID	Digikey's ID	JLC's ID	Buying Link
	IMU	angle	ICM-42670-P	Sensor	\$5.31	1	\$5.31	ICM-42670-P	1428-ICM-42670-PCT-ND		<a href="https://www.digikey.ca/en/products/detail/tdk-invensense/ICM-42670-P/143195247_pl=1'unyc26*_ip/MQ_&amp;qclid=CwKC&amp;w36248hBAEwAxxqT0pzyVZ8L7Y_ID6pKE5BolkOV3_DZDXen9T0hpAc7MZYfxd_RX(Eg8cEaqQ&amp;vD_RwE">https://www.digikey.ca/en/products/detail/tdk-invensense/ICM-42670-P/143195247_pl=1'unyc26*_ip/MQ_&amp;qclid=CwKC&amp;w36248hBAEwAxxqT0pzyVZ8L7Y_ID6pKE5BolkOV3_DZDXen9T0hpAc7MZYfxd_RX(Eg8cEaqQ&amp;vD_RwE</a>
			ESP32-C3-WROOM-02-W4	Microcontroller	\$3.13	1	\$3.13	ESP32-C3-WROOM-02-W4	1965-ESP32-C3-WROOM-02-H4/14553033		<a href="https://www.digikey.ca/en/products/detail/espressif-systems/ESP32-C3-WROOM-02-H4/14553033">https://www.digikey.ca/en/products/detail/espressif-systems/ESP32-C3-WROOM-02-H4/14553033</a>
Chargeur pour la battery	Chargeur	For Battery	MCP73831T-2ACIOT	Component	\$1.19	1	\$1.19	MCP73831T-2ACIOT	MCP73831T-2ACIOTCT-ND		<a href="https://www.digikey.com/en/products/detail/microchip-technology/MCP73831T-2ACI-OT/964301">https://www.digikey.com/en/products/detail/microchip-technology/MCP73831T-2ACI-OT/964301</a>
CAP CER 0.1uF 50V X7R 0603	CAP 0.1uF	IMU	Capacitor	Component	\$0.04	10	\$0.37	CL10B104KB8NNNC	1276-1000-1-ND		<a href="https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B104KB8NNNC/3886658">https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B104KB8NNNC/3886658</a>
CAP CER 2.2uF 16V X5R 0603	CAP 2.2uF	IMU	Capacitor	Component	\$0.04	10	\$0.37	CL10A225K08NNNC	1276-1040-1-ND		<a href="https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10A225K08NNNC/3886698">https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10A225K08NNNC/3886698</a>
CAP CER 10000PF 50V X7R 0603	CAP 10nF	IMU	Capacitor	Component	\$0.04	10	\$0.37	CL10B103KB8NNNC	1276-1009-1-ND		<a href="https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B103KB8NNNC/3886667">https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B103KB8NNNC/3886667</a>
IC REG LINEAR 3.3V 500MA SOT23-5	Regulator 3.3V	Voltage 3.3V	Regulator 3.3V	Component	\$0.32	2	\$0.64	TLV75533PDBVR	296-5041-1-ND		<a href="https://www.digikey.ca/en/products/detail/texas-instruments/TLV75533PDBVR/63565417eN4laTCBcD&amp;4JwDYC08WADAF&amp;vabgcaCiaC&amp;Av&amp;A">https://www.digikey.ca/en/products/detail/texas-instruments/TLV75533PDBVR/63565417eN4laTCBcD&amp;4JwDYC08WADAF&amp;vabgcaCiaC&amp;Av&amp;A</a>
laser		distance mesuring	VL53L4CXV0DH/1	Sensor	\$6.97	1	\$6.97	VL53L4CXV0DH/1CT-ND	497-VL53L4CXV0DH/1CT-ND		<a href="https://www.digikey.ca/en/products/detail/stmicroelectronics/vl53l4cxv0dh-1/16123777">https://www.digikey.ca/en/products/detail/stmicroelectronics/vl53l4cxv0dh-1/16123777</a>
CONN HEADER RIA 2POS 2.5MM	Connecteur batt	Connecteur batt	S2B-XH-A-1	Connector	\$0.31	1	\$0.31	S2B-XH-A-1	455-S2B-XH-A-1-ND		<a href="https://www.digikey.ca/en/products/detail/jst-sales-america-inc/S2B-XH-A-1/9961922">https://www.digikey.ca/en/products/detail/jst-sales-america-inc/S2B-XH-A-1/9961922</a>
CONN RCP USB2.0 TYP C 24P SMD RA	USB-C	Connecting	USB4105-GF-A	Connector	\$1.53	1	\$1.53	USB4105-GF-A	2073-USB4105-GF-ACT-ND		<a href="https://www.digikey.ca/en/products/detail/got/USB4105-GF-A/11198441">https://www.digikey.ca/en/products/detail/got/USB4105-GF-A/11198441</a>
IC XPNDR 400KHZ I2C 16TSSOP	I/O Expander	Manque de I/O	TCA9534PWR	Component	\$1.88	1	\$1.88	TCA9534PWR	296-40574-1-ND		<a href="https://www.digikey.ca/en/products/detail/texas-instruments/TCA9534PWR/5004966">https://www.digikey.ca/en/products/detail/texas-instruments/TCA9534PWR/5004966</a>
Button	Screen/Boot/reset	Screen/Boot/reset	CS1213AGF260	Component	\$0.63	7	\$4.41	CS1213AGF260	2448-CS1213AGF260CT-ND		<a href="https://www.digikey.ca/en/products/detail/ot-relay-and-switch/CS1213AGF260/16607763">https://www.digikey.ca/en/products/detail/ot-relay-and-switch/CS1213AGF260/16607763</a>
SWITCH TACTILE SPST-NO 0.05A 50V	Switch	Power ON/OFF	JS202011JAQN	Component	\$1.30	1	\$1.30	JS202011JAQN	CKN10722CT-ND		<a href="https://www.digikey.ca/en/products/detail/c-k/js202011JAQN/6137629">https://www.digikey.ca/en/products/detail/c-k/js202011JAQN/6137629</a>
TVS DIODE 5VWM 12.3VC SOD923	TVS	Protection .)	ESD9X5.0ST5G	Component	\$0.15	2	\$0.30	ESD9X5.0ST5G	ESD9X5.0ST5GOSCT-ND		<a href="https://www.digikey.ca/en/products/detail/onsemi/ESD9X5-0ST5G/1476616">https://www.digikey.ca/en/products/detail/onsemi/ESD9X5-0ST5G/1476616</a>
LED GREEN CLEAR 0603 SMD	LED	Chargement	150060VS75000	Component	\$0.23	1	\$0.23	150060VS75000	732-4980-1-ND		<a href="https://www.digikey.ca/en/products/detail/v%C3%BCrtel-elektronik/150060VS75000/4489906">https://www.digikey.ca/en/products/detail/v%C3%BCrtel-elektronik/150060VS75000/4489906</a>
resistance 10K	resistor	resistor	RC0603FR-0710KL	Component	\$0.02	10	\$0.19	RC0603FR-0710KL	311-10.0KHRCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268">https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268</a>
resistance 5k	resistor	resistor	RC0603FR-075K1L	Component	\$0.02	10	\$0.19	RC0603FR-075K1L	311-5.10KHRCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268">https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268</a>
resistance 2k	resistor	resistor	ERJ-3EKF2001V	Component	\$0.16	1	\$0.16	ERJ-3EKF2001V	P2.00KHCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268">https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268</a>
resistance 100k	resistor	resistor	RMCF0603FT100K	Component	\$0.16	1	\$0.16	RMCF0603FT100K	RMCF0603FT100KCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268">https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268</a>
resistance 300k	resistor	resistor	RMCF0603FT300K	Component	\$0.16	1	\$0.16	RMCF0603FT300K	RMCF0603FT300KCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268">https://www.digikey.ca/en/products/detail/yageo/RC0603FR-075K1L/727268</a>
resistance 470 ohms	resistor	resistor	RC0603JR-07470RL	Component	\$0.02	10	\$0.20	RC0603JR-07470RL	311-470RCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603JR-07470RL/726791">https://www.digikey.ca/en/products/detail/yageo/RC0603JR-07470RL/726791</a>
resistance 20-25 ohms	resistor	resistor	RC0603JR-0720RL	Component	\$0.02	10	\$0.20	RC0603JR-0720RL	311-200RCT-ND		<a href="https://www.digikey.ca/en/products/detail/yageo/RC0603JR-0720RL/726791">https://www.digikey.ca/en/products/detail/yageo/RC0603JR-0720RL/726791</a>
resistance 0 ohms	resistor	resistor	RMCF0603ZTOR00	Component	\$0.02	10	\$0.20	RMCF0603ZTOR00	RMCF0603ZTOR00CT-ND		<a href="https://www.digikey.ca/en/products/detail/stackpole-electronics-inc/RMCF0603ZTOR00/1758908">https://www.digikey.ca/en/products/detail/stackpole-electronics-inc/RMCF0603ZTOR00/1758908</a>
capacitor 4.7 uF	capacitor	capacitor	CL10A475KP8NNNC	Component	\$0.05	10	\$0.47	CL10A475KP8NNNC	1276-1044-1-ND		<a href="https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10A475KP8NNNC/3886702">https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10A475KP8NNNC/3886702</a>
capacitor 1uF	capacitor	capacitor	CL10B105KP8NNNC	Component	\$0.05	10	\$0.47	CL10B105KP8NNNC	1276-1946-1-ND		<a href="https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B105KP8NNNC/3887604">https://www.digikey.ca/en/products/detail/samsung-electro-mechanica/CL10B105KP8NNNC/3887604</a>
total							\$20.84				