

L1 Altimeter - SMD

Listing these per board. Then will multiply by # of boards and order that quantity

Part Number	Part Link	Unit Price	Quantity	Total Cost	Distributor	Comments	Datasheet	Part Description
AT-0927-TT-6-R	https://www.digikey.com/product-detail/en/active-media/AT-0927-TT-6-R/1876187	\$0.98	1	\$0.98	DigiKey	Buzzer	https://www.digikey.com/product-detail/en/active-media/AT-0927-TT-6-R/1876187	Buzzer, polarized
DM3D-SF	https://www.digikey.com/product-detail/en/active-media/DM3D-SF/1876187	\$1.83	1	\$1.83	DigiKey	Micro SD Card	https://www.digikey.com/product-detail/en/active-media/DM3D-SF/1876187	Micro SD Card Socket with two card detection pins
B2B-PH-K-5	https://www.digikey.com/product-detail/en/active-media/B2B-PH-K-5/1876187	\$0.19	1	\$0.19	DigiKey	JST Battery Connector	https://www.digikey.com/product-detail/en/active-media/B2B-PH-K-5/1876187	JST connector, single row, 01x02,
0473460001	https://www.digikey.com/product-detail/en/active-media/0473460001/1876187	\$1.17	1	\$1.17	DigiKey	USB Micro B Connector	https://www.digikey.com/product-detail/en/active-media/0473460001/1876187	USB Micro Type B connector
0393570004	https://www.digikey.com/product-detail/en/active-media/0393570004/1876187	\$1.90	2	\$3.80	DigiKey	Power/V. Reg. Terminal Blocks	https://www.digikey.com/product-detail/en/active-media/0393570004/1876187	Generic screw terminal, single row, 01x04,
0901471107	https://www.digikey.com/product-detail/en/active-media/0901471107/1876187	\$1.66	1	\$1.66	DigiKey	Extra GPIO Pin Header	https://www.digikey.com/product-detail/en/active-media/0901471107/1876187	Generic connector, single row, 01x07,
0901471103	https://www.digikey.com/product-detail/en/active-media/0901471103/1876187	\$1.20	2	\$2.40	DigiKey	SPI/Extra GPIO Pin Header	https://www.digikey.com/product-detail/en/active-media/0901471103/1876187	Generic connector, single row, 01x03,
0901471105	https://www.digikey.com/product-detail/en/active-media/0901471105/1876187	\$2.15	1	\$2.15	DigiKey	BNO086 Pin Header	https://www.digikey.com/product-detail/en/active-media/0901471105/1876187	Generic connector, single row, 01x05,
0901471102	https://www.digikey.com/product-detail/en/active-media/0901471102/1876187	\$0.89	1	\$0.89	DigiKey	I2C Pin Header	https://www.digikey.com/product-detail/en/active-media/0901471102/1876187	Generic connector, single row, 01x02,
MBRA340T3G	https://www.digikey.com/product-detail/en/active-media/MBRA340T3G/1876187	\$0.32	1	\$0.32	FlyWing	Power Circuitry Diode	https://www.digikey.com/product-detail/en/active-media/MBRA340T3G/1876187	40V 3A Schottky Barrier Rectifier Diode, SMA(DO-214AC)
DMG2301L-7	https://www.digikey.com/product-detail/en/active-media/DMG2301L-7/1876187	\$0.33	1	\$0.33	DigiKey	Power Circuitry MOSFET	https://www.digikey.com/product-detail/en/active-media/DMG2301L-7/1876187	-3A Id, -20V Vds, P-Channel MOSFET, SOT-23
FSMSM	https://www.digikey.com/product-detail/en/active-media/FSMSM/1876187	\$0.32	2	\$0.64	DigiKey	MCU Boot/Reset buttons	https://www.digikey.com/product-detail/en/active-media/FSMSM/1876187	Push button switch, generic, two pins
ESP32-S3-WROOM-1U-N16R8	https://www.digikey.com/product-detail/en/active-media/ESP32-S3-WROOM-1U-N16R8/1876187	\$3.90	1	\$3.90	DigiKey	MCU	https://www.digikey.com/product-detail/en/active-media/ESP32-S3-WROOM-1U-N16R8/1876187	XTensa LX7 MCU, Dual Core, 240MHz, 2.4 GHz WiFi (802.11 b/g/n), Bluetooth 5 (LE), external antenna
MS561101BA03-50	https://www.digikey.com/product-detail/en/active-media/MS561101BA03-50/1876187	\$11.67	1	\$11.67	DigiKey	Barometer	https://www.digikey.com/product-detail/en/active-media/MS561101BA03-50/1876187	Barometric pressure sensor, 10cm resolution, 10 to 1200 mbar, I2C and SPI interface up to 20MHz, LGA-8
BNO086	https://www.digikey.com/product-detail/en/active-media/BNO086/1876187	\$16.60	1	\$16.60	DigiKey	IMU, Accelerometer, Gyro, Mag.	https://www.digikey.com/product-detail/en/active-media/BNO086/1876187	9-Axis Absolute Orientation Sensor: Accelerometer, Gyroscope, Magnetometer
S7V8F3	https://www.digikey.com/product-detail/en/active-media/S7V8F3/1876187	\$7.95	1	\$7.95	Pololu	External Voltage Regulator	https://www.digikey.com/product-detail/en/active-media/S7V8F3/1876187	Voltage regulator
APT1608SURCK	https://www.digikey.com/product-detail/en/active-media/APT1608SURCK/1876187	\$0.20	1	\$0.20	Mouser	Power LED	https://www.digikey.com/product-detail/en/active-media/APT1608SURCK/1876187	Light emitting diode Red
APTD1608LVBC/D	https://www.digikey.com/product-detail/en/active-media/APTD1608LVBC/D/1876187	\$0.55	1	\$0.55	Mouser	Test LED	https://www.digikey.com/product-detail/en/active-media/APTD1608LVBC/D/1876187	Light emitting diode Blue
CC0603MRX5R6BB226	https://www.digikey.com/product-detail/en/active-media/CC0603MRX5R6BB226/1876187	\$0.68	7	\$4.76	DigiKey		https://www.digikey.com/product-detail/en/active-media/CC0603MRX5R6BB226/1876187	Unpolarized capacitor 0.1uF
CC0603KRX7R8BB104	https://www.digikey.com/product-detail/en/active-media/CC0603KRX7R8BB104/1876187	\$0.10	1	\$0.10	DigiKey		https://www.digikey.com/product-detail/en/active-media/CC0603KRX7R8BB104/1876187	Unpolarized capacitor 22uF
CC0603KRX5R8BB105	https://www.digikey.com/product-detail/en/active-media/CC0603KRX5R8BB105/1876187	\$0.10	1	\$0.10	DigiKey		https://www.digikey.com/product-detail/en/active-media/CC0603KRX5R8BB105/1876187	Unpolarized capacitor 1uF
RC0603FR-071KL	https://www.digikey.com/product-detail/en/active-media/RC0603FR-071KL/1876187	\$0.10	4	\$0.40	DigiKey		https://www.digikey.com/product-detail/en/active-media/RC0603FR-071KL/1876187	Resistor, 10k
RC0603FR-07470RL	https://www.digikey.com/product-detail/en/active-media/RC0603FR-07470RL/1876187	\$0.10	2	\$0.20	DigiKey		https://www.digikey.com/product-detail/en/active-media/RC0603FR-07470RL/1876187	Resistor, 470
RC0603FR-102K2L	https://www.digikey.com/product-detail/en/active-media/RC0603FR-102K2L/1876187	\$0.10	2	\$0.20	DigiKey		https://www.digikey.com/product-detail/en/active-media/RC0603FR-102K2L/1876187	Resistor, 2.2k
RC0603FR-07100KL	https://www.digikey.com/product-detail/en/active-media/RC0603FR-07100KL/1876187	\$0.10	1	\$0.10	DigiKey		https://www.digikey.com/product-detail/en/active-media/RC0603FR-07100KL/1876187	Resistor, 100k