







Comment	Description	Designator	Footprint	LibRef	Quantity
CR2032	CR2032 Battery	BT1	CR2032_BH-27A-5-WT	BH-27A-5-WT	1
100nF	Holder SAMSUNG ELECTRO- MECHANICS - CL10B104KB8WPNC - SMD Multilayer Ceramic Capacitor, 0.1 µF, 50 V, 0603 [1608 Metric], ± 10%, X7R, CL Series, Cap Ceramic 0.1 µF 100V X7R 10% Pad SMD 0603 125°C T/R	C1, C2, C3, C4, C6, C10, C12, C13, C15, C16, C18	C0603	CL10B104KB8WPNC, CC0603KRX7R0BB104	11
4pF	CAP CER 4PF 50V COG/NPO 0603	C5, C7	C0603	CL10C040CB8NNNC	2
25pF	CAP CER 25PF 50V COG/NPO 0603	C8, C9	C0603	CL10C250JB8NNNC	2
10uF	CAP CER 10UF 6.3V X5R 0603	C11, C14, C17	C0603	CC0603KRX5R5BB106	3
SCHOTTKY .55Vf	Rectifier Diode, Schottky, 1 Phase, 1 Element, 1A, 20V V(RRM), Silicon	D1	DO-214AC	SS12E-TP	1
LED RED	LED SMD Top View Uni-Color Brilliant Red 624nm 0603 Pkg ø7"T/R 3k	D2, D3	LED0603	19-217/R6C- AL1M2VY/3T	2
USB-MICRO-B	CONN USB MICRO B RECPT SMT R/A	J1	AMPHENOL_1011819 4	10118194-0001LF	1
PMOS 20V	MOSFET P-CH 20V 3.1A SOT23-3	Q1, Q2	SOT-23-3	SI2301CDS-T1-GE3	2
4.7K	RES SMD 4.7K OHM 1% 1/10W 0603	R1, R2, R6, R7	R0603	RC0603FR-074K7L	4
10K	Res General Purpose Thick Film 0603 10K Ohm 1% 1/10W ±100ppm/°C Molded SMD Paper T/R	R3, R4, R5	R0603	RC0603FR-0710KL	3
100R	Res Thin Film 0603 100 Ohm 0.1% 1/10W ±50ppm/°C Molded SMD SMD Paper T/R	R8, R9	R0603	RT0603BRE07100RL	2
ESD 4 IO	USBLC6 Series 4 Line 6 V Uni / Bi- Directional ESD Protection - SOT-23-6	U1	ST_SOT23-6L	USBLC6-4SC6	1
STM32L151C8T6A	MCU 32-bit ARM Cortex M3 RISC 64KB Flash 2.5V/3.3V 48- Pin LQFP Tray	U2	ST_LQFP48	STM32L151C8T6A	1
LDO FIXED 3V3	STMICROELECTRONIC S - LD1117S33CTR - LDO VOLTAGE REGULATOR, FIXED, 3.3V, 950MA, SOT-223 4, FULL REEL	U3	ST_SOT-223	LD1117S33CTR	1
IMU 3-axis	ACCEL 2-16G I2C/SPI 12LGA	U4	ST-LGA-12	LIS2DH12TR	1
NOR FLASH 128M	IC FLASH 128M SPI 133MHZ 8SOIC	U5	NOR_FLASH_SOIC_8	W25Q128JVSIQ	1
ALS	I2C ambient light and UV sensor	U6	LTR-390UV-01	LTR-390UV-01	1
TMP112AIDRLR	TEXAS INSTRUMENTS TMP112AIDRLR Temperature Sensor IC, Open Drain, 0.5C, 40 C, 125 C, SOT, 6 Pins	U7	TI_SOT-563	TMP112AIDRLR	1
32.768 4pF	CITIZEN 32.768kHz, 4pF, 70k ESR, 20ppm	Y1	CM315E	CM315E32768DZZT- 4PF	1
8MHZ	ABRACON - ABM3B- 8.000MHZ-B2-T - CRYSTAL, 8MHZ, 18PF, 5 X 3.2MM	Y2	АВМ3В	ABM3B-8.000MHZ-B2- T	1