

Comment	Description	Designator	Footprint	LibRef	Quantity
CR2032	Cell Holder for CR2032	B11	PCB_Battery	Battery	1
10uF	Cap Ceramic 10uF 25V B 10% Pad SMD 1206 85°C T/R	C1	CAPC3216X190	GRM31CE31E106KA75L	1
22uF	CAPACITOR, 1206, XGR, 25V, 22uF, Dielectric Characteristic:XSR Capacitance:22uF, Capacitance Tolerance:± 10%, Voltage Rating:25V, Series:GRMH-Cap, Capacitor Case Style:1206, No. of Pins:2, Capacitor Mounting:SMD, S/H:No S/H:C:RoHS Compliant: Yes	C2	CAPC3216X125N	GRM31CR61E226KE15L	1
100nF	Ceramic capacitor SMD 1206 100 nF 50 V 10 % Samsung Electro Mechanics CL31B104K80NNNC 4000 pcs)	C3, C4, C8, C12, C13	CAPC3216X180N	CL31B104K80NNNC	5
1uF	CAP CER 1uF 25V X7R 1206	C5, C9	CAPC3216X110N	C1206C105JBRACTU	2
100pF	CAP, MLC, COG, 100PF, 630V, 1206	C6, C7	CAPC3216X110N	C1206C101JBGACTU	2
100uF	100uF ±10% 6.3V Ceramic Capacitor XSR 1206 _3216 Metric	C10	CAP3216X125N	GRM31CR60J107KE39L	1
680nF	.68uF 50V 10% 1206	C11	CAPC3216X110N	C1206C84K5RACTU	1
1N5819	Diode Schottky 40 V 1A Surface Mount SOD-123	D1	SOD3715X145N	1N5819HW-7	1
LED	2.6 V Red LED SMD	D2	LED3216X120N	LHN974_RED_LED_1206	1
LCD	Display, Seven Segment, 9.2MM, Red	D3	LED_LDQ-M3604RI	LDQ-M3604RI	1
USB		J1	GCT_USB4105-GF-A	USB4105-GF-A	1
10k	RES, 10K, 1%, 0.25W, 1206, THICK FILM, Resistor Case Style:1206 [3216 Metric], Resistance:10kohm, Product Range:RC Series, Voltage Rating:200V, Resistor Element Material: Thick Film, Power Rating:250mW, Resistance Tolerance:± 1%, Temperature Coefficient:± 100ppm/°C, Automotive Qualification Standard:-, S/H:CNo S/H:C(15-Jan-2019)	R1, R2, R3, R4, R5, R6, R10, R11	RESC3216X71N	RC1206FR-0710KL	8
1k	Surge Chip Resistor Automotive Grade Thick Film 1206 1kOhm 1%Paper T/R	R7, R8, R9	RESC3116X65N	SR1206FR-071KL	3
BUTTON	Alcoswitch, Switch, Tactile, 50 mA, SPST, Pushbutton, On[On], FSV6.SMA] TE Connectivity FSV6.SMA	SW1, SW2	TE_4-1437565-9	4-1437565-9	2
AMS1117-3.3	LDO Voltage Regulators 1A, 3.3V	U1	FP-AMS1117-1PC-A	OMP-209535-000001-1	1
DS3231	Extremely Accurate I2C-Integrated Real-Time Clock/TCXO Crystal, 16-Pin SO, -40 to 85 degC, RoHS Qualified	U2	W16#H2_N	OMP-0254-00293-2	1
TM1637	LED Drive Control Special Circuit	U3	SOIC127P1035X255-20N	TM1637_SOP20	1
STM8S103F3P6	STM8 series Microcontroller IC8-Bit 16MHz 8KB (8Kx8) FLASH-20-TSSOP	U4	SOP65P640X120-20N	STM8S103F3P6	1