

ITEM	Designator	Comment	Description	Footprint	Quantity	Manufacturer	Manufacturer Code	Distributor	Distributor Code
1	BT1	CR1220	Multicell Battery Socket	CR1220	1	Keystone	3000	Mouser	534-3000
2	BT1	CR1220	CR1220 Battery	CR1220	1	Renata	CR1220MFR.TS	Mouser	614-CR1220
3	C1, C19	470nF	SMD Capacitor	C0805	2	Vishay	VJ0805Y474KXQTW1BC	Mouser	77-VJ0805Y474KXQTB
4	C2, C3, C4, C20, C23	10uF	SMD Capacitor	C0805	5	Kemet	C0805C106Z8VACTU	Mouser	80-C0805C106Z8V
5	C5, C7, C8, C9, C10, C11, C12, C13, C14, C16, C24	100nF	SMD Capacitor	C0805	11	Vishay	VJ0805Y104MXXAC	Mouser	77-VJ0805Y104MXXAC
6	C6	1uF	SMD Capacitor	C0805	1	Vishay	VJ0805Y105KXQTW1BC	Mouser	77-VJ0805Y105KXQTB
7	C15	220nF	SMD Capacitor	C0805	1	Vishay	VJ0805Y224MXJTW1BC	Mouser	77-VJ0805Y224MXJTBC
8	C17, C18	47pF	SMD Capacitor	C0805	2	Kemet	C0805C470J5GACTU	Mouser	80-C0805C470J5G
9	C21, C22	22pF	SMD Capacitor	C0805	2	Kemet	C0805C220J1GACTU	Mouser	80-C0805C220J1G
10	CON1	54819-0572	Molex USB On-The-Go (OTG) Mini-B R	MINI_USB	1	Molex	54819-0572	Mouser	538-54819-0572
11	D1	5V_USB	Typical GREEN GaAs LED	LED_0805_VERDE	1	Osram	LGR971-KN-1	Mouser	720-LGR971-KN-1
12	D2	VERDE	Typical GREEN GaAs LED	LED_0805_VERDE	1	Osram	LGR971-KN-1	Mouser	720-LGR971-KN-1
13	D3	ROJO	Typical RED GaAs LED	LED_0805_ROJO	1	Osram	LS Q976-NR-1	Mouser	720-LSQ976-NR-1
14	D4	CHARGE	Typical RED GaAs LED	LED_0805_ROJO	1	Osram	LS Q976-NR-1	Mouser	720-LSQ976-NR-1
15	D5	FULL	Typical GREEN GaAs LED	LED_0805_VERDE	1	Osram	LGR971-KN-1	Mouser	720-LGR971-KN-1
16	J1	I2C (+3V3)	SIP 4	SIP4	1	---	---	---	---
17	J2	MICRO_SD	Micro SD Socket Molex 500901-0801	microSD_Socket	1	Molex	500901-0801	Mouser	538-500901-0801
18	J4, J5	SIP 3	SIP 3	SIP3	2	---	---	---	---
19	P1	DF13-3P-1.25DS(20)	Hirose DF13 (1,25mm) Single Row Righ	DF13-3P-1.25DS	1	Hirose	DF13-3P-1.25DS(20)	Mouser	798-DF13-3P-1.25DS20
20	P2	ICSP	SIP 5	SIP5	1	3M	929834-01-05-RK	Mouser	517-929834-01-05-RK
21	R1, R19	1M	Resistor 0805	R0805	2	KOA Speer	RN73H2ATTD1004B25	Mouser	660-RN73H2ATD1004B25
22	R2, R4, R8, R9, R10, R11, R12, R16, R21, R22	10K	Resistor 0805	R0805	10	Vishay	CRCW080510K0JNEA	Mouser	71-CRCW0805J-10K-E3
23	R3, R13, R14, R23, R24	1K	Resistor 0805	R0805	5	Vishay	CRCW0805-1.0K-E3	Mouser	71-CRCW0805-1.0K-E3
24	R5	4K7	Resistor 0805	R0805	1	Vishay	MCT0603MC4701FP500	Mouser	594-MCT0603MC4701FP5
25	R6, R7	1K5	Resistor 0805	R0805	2	TE Connectivity / Neohm	CPF0805B1K5E1	Mouser	279-CPF0805B1K5E1
26	R15	100K	Resistor 0805	R0805	1	Panasonic	ERJ-6GEYJ104V	Mouser	667-ERJ-6GEYJ104V
28	R17, R18	27	Resistor 0805	R0805	2	Panasonic	ERJ-6GEYJ270V	Mouser	667-ERJ-6GEYJ270V
29	R20	2M2	Resistor 0805	R0805	1	KOA Speer	RK73H2ATTD2204F	Mouser	660-RK73H2ATD2204F
30	SW1	RST	Switch	P_SMD_SIMPLE	1	C & K Components	KSR221G LFS	Mouser	611-KSR221G-LFS
31	SW2	P1	Switch	P_SMD_SIMPLE	1	C & K Components	KSR221G LFS	Mouser	611-KSR221G-LFS
32	SW3	P2	Switch	P_SMD_SIMPLE	1	C & K Components	KSR221G LFS	Mouser	611-KSR221G-LFS
33	U1	TVS 824011	TVS Diode	SOT23-5	1	Wurth Electronics	824011	Mouser	710-824011
34	U2	MCP73832T-2ACI/OT	Single-Cell, Fully Integrated Li-Ion, Li-F	SOT23-5	1	Microchip	MCP73832T-2ACI/OT	Mouser	579-MCP73832T-2ACIOT
35	U3	TPS76930DBVR	ULTRALOW-POWER 100-mA LOW-DR	SOT23-5	1	Texas Instruments	TPS76930DBVR	Mouser	595-TPS76930DBVT
37	U4	PIC18F2620	8-bit Microcontroller PIC18F2620-I/SO	SOL-28	1	Microchip	PIC18F2620-I/SO	Mouser	579-PIC18F2620-I/SO
38	U5	DS18B20	Programmable Resolution 1- Wire Digi	TO-92B	1	Maxim Integrated	DS18B20+	Mouser	700-DS18B20+
39	U6	M41T00SM6F	Serial RTC	SO-8	1	ST Microelectronics	M41T00SM6F	Mouser	511-M41T00SM6F
40	U7	HDC1050	HDC1050 Low Power, High Accuracy D	WSON-6	1	Texas Instruments	HDC1050DMBT	Mouser	595-HDC1050DMBT
41	U8	TEMT6000X01	Ambient Light Sensor	TEMT6000	1	Vishay	TEMT6000X01	Mouser	78-TEMT6000
42	U9	MCP2221	USB Bridge	SO-14	1	Microchip	MCP2221-I/SL	Mouser	579-MCP2221-I/SL
36	U10	TPS76933	ULTRALOW-POWER 100-mA LOW-DR	SOT23-5	1	Texas Instruments	TPS76933DBVR	Mouser	595-TPS76933DBVR
43	Y1	32.768kHz	Crystal Oscillator	CRISTAL_32K_HOR	1	Abracon	AB38T-32.768KHZ	Mouser	815-AB38T-32.768KHZ
44	Y2	8MHz	Crystal Oscillator INS HC-49	CRISTAL_HC49_INS	1	TXC Corporation	9B-8.000MAAJ-B	Mouser	717-9B-8.000MAAJ-B