

Bill of Materials

Project: C009_xh2314_1R1a.PrjPcb



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#	Quantity	Designator	Manufacturer Part #	Manufacturer	Value	Tolerance	Part Footprint	Substitution	ESR	Voltage
1	1	BT1	Battery Socket (1xCR2032)	Steelmate				YES		3V
2	1	C1	GRM1555C1HR50CA01D	Murata	0.5pF	±0.25pF	0402	NO	C0G	50V
3	2	C2, C8	GRM1555C1H101JA01D	Murata	100pF	±5%	0402	NO	C0G	50V
4	2	C3, C5	GJM1555C1H8R2CB01D	Murata	8.2pF	±0.25pF	0402	NO	C0G	50V
5	1	C4	GJM1555C1H2R2CB01D	Murata	2.2pF	±0.25pF	0402	NO	C0G	50V
6	2	C6, C9	CL05B104KO5NNNC	Samsung	0.1uF	±10%	0402	YES	X7R	16v
7	2	C10, C13	CL10A105KP8NNNC	Samsung	1uF	±10%	0603	YES	X5R	10V
8	2	C11, R4			DNP			NO		
9	1	C14	CL21A106MQCLNNC	Samsung	10uF	±20%	0805	YES	X5R	6.3V
10	1	D1	YJ-S0805RGB	Led RGB				NO		
11	1	E1	HD19168_0001R	Steelmate	433.92	1%		NO		
12	1	L1	LQW15ANR12J00D	Murata	120nH	±5%	0402	NO	2.52Ohm	
13	1	L2	LQW15AN33NG00D	Murata	33nH	+/-2%	0402	NO	270mOhm	
14	1	L3	LQW15AN15NG00D	Murata	15nH	±2%	0402	NO	270mOhm	
15	1	L4	ACPDQC5V0CSP-HF	Comchip Technology	3A	±5%	0402	NO		5V Rev / 6V Brea
16	3	R1, R2, R3	RC0402FR-07330RL	Yageo	330	1%	0402	YES		
17	4	S1, S2, S3, S4	Dome Switch	Steelmate		1%				
18	1	U1	SX1243IULTRT	Semtech			DFN8	NO		3.3v
19	1	U2	STM8L101F2U6TR	ST Micro			UFQFPN20	NO		1.65V to 3.6V
20	1	Y1	9C-26.000MEEJ-T	TXC	26MHz	18pF/10 ppm	HC49			
30 Total number of comps			Notes							

k / 20V Clamp