

BOM

ID	Bezeichner	Gehäuse	Stückzahl	Bezeichnung	Anbieter und Referenz
1	D4,D5	D_SOD-123	2	D_Schottky	
2	U9,U10,U11,U12,U13,U14,U15,U16	WS2812B-2020	8	WS2812B-2020	
3	USB2	USB-micro-B-Amph-10118194	1	USB PC	
4	USB1	USB-micro-B-Amph-10118194	1	USB TARGET	
5	SW1	DIPT-1188E	1	RESET	
6	S2	DIPT-1188E	1	S2	
7	S1	DIPT-1188E	1	S1	
8	SW2	KMR2-Switch	1	BOOT	
9	J2	PinHeader_2x10_P2.54mm_Vertical	1	LP Header left	
10	J4	PinHeader_2x10_P2.54mm_Vertical	1	LP Extension Heder	
11	U3	QFN-16-1EP_3x3mm_P0.5mm_EP1.7x1.7mm	1	RS2299	
12	R11,R2,R5,R7,R8,R10,R15,R16,R19	R_0603_1608Metric	9	1k	
13	J8	JST-S2B-PH-KL	1	LiPo 3,7V Batt.	
14	C1,C4,C5,C9,C10,C11,C12,C13,C14,C15,C21,C24,C25,C29,C30,C31,C32,C33,C34,C35	C_0603_1608Metric	20	100nF	
15	C2,C3,C22,C23	C_0603_1608Metric	4	22pF	
16	C6,C7,C8,C26,C27,C28	C_0603_1608Metric	6	1uF	
17	C16,C17,C18,C19,C20	C_0805_2012Metric	5	22u	
18	D3	LED_0603_1608Metric	1	Charge	
19	D6	LED_0603_1608Metric	1	PWR	
20	D7	LED_0603_1608Metric	1	BLUE	
21	D8	LED_0603_1608Metric	1	GREEN	
22	D9	LED_0603_1608Metric	1	RED	
23	J1	PinHeader_2x08_P2.54mm_Vertical	1	Target Isolation Jumpers	
24	J3,J6	PinHeader_1x03_P2.54mm_Vertical	2	PWR Header	
25	J5	PinHeader_2x10_P2.54mm_Vertical	1	LP Header right	
26	J7	SolderJumper-2_P1.3mm_Bridged_RoundedPad1.0x1.5mm	1	Jumper	
27	J9	PinHeader_1x03_P2.54mm_Vertical	1	PWR select	
28	J10	PinHeader_1x02_P2.54mm_Vertical	1	DBG_PRGM	
29	J11	PinHeader_1x02_P2.54mm_Vertical	1	UART_DBG	
30	J12	PinHeader_2x08_P2.54mm_Vertical	1	DGB Exp. Header	
31	L1	L_1008_2520Metric	1	4u7	
32	R1,R6,R9,R20	R_0603_1608Metric	4	10k	
33	R3,R4,R17,R18	R_0603_1608Metric	4	27	
34	R12	R_0603_1608Metric	1	2k	
35	R13,R14	R_0603_1608Metric	2	100k	
36	R21,R22,R23,R24	R_0603_1608Metric	4	470	
37	U1,U7	WSON-8-1EP_6x5mm_P1.27mm_EP3.4x4.3mm	2	25Q32	
38	U2,U8	QFN40P700X700X90-57N	2	RP2040	
39	U4	SOT-23-5	1	MCP73831	
40	U5	SOT-23-5	1	XC9142B50C	
41	U6	SOT-23-5	1	XC6220B33	
42	Y1,Y2	Crystal_SMD_TXC_7M-4Pin_3.2x2.5mm	2	12MHz	
43	D1	LED_0603_1608Metric	1	LED 0 (RED)	
44	J13	PinHeader_1x02_P2.54mm_Vertical	1	LED 0 EN	