

Sheet1

ZUM BT-328 BOM

ITEM	Designator	Description	Footprint	Pcs	Value
-1	BT	Light Emitting Diode	LED0603	1	Blue
0	C1	Capacitor	C0402	1	10nF ±10% 6V3
1	C2, C10, C15, C17, C18, C21, C22, C25	Capacitor	C0402	8	100nF ±10% 6V3
2	C3, C4, C5, C23, C24	Capacitor	C0603	5	1uF ±10% 16V
3	C6, C7	Capacitor	C0402	2	22pF ±10% 16V
4	C8	Capacitor Electrolytic	CASE_D_7.7	1	100uF 25V
5	C9	Tantalum Capacitor	CASE_A_3216-1206	1	22uF ±20% 10V
6	C11	Capacitor	C1206	1	10uF ±20% 50V
7	C12	Capacitor	C0603	1	100nF ±10% 25V
8	C13	Capacitor	C0603	1	620pF ±5% 25V
9	C14	Capacitor	C1206	1	22uF ±20% 10V
10	C16	Capacitor	C0402	1	10nF ±10% 16V
11	C19, C20	Capacitor	C0402	2	47pF ±10% 16V
12	D2, D4	Diodo Schottky	SOD128	2	3A 30V
13	D3, D8	Dual Schottky Diode Common Cathode	SOT23-3	2	200mA 30V
14	D5, D7	Dual Schottky Diode	SOT23-3	2	200mA 30V
15	D6	Dual Schottky Diode Common Anode	SOT23-3	1	200mA 30V
16	D13, PWR, RX	Light Emitting Diode	LED0603	3	Green
17	F1	PTC Resettable Fuse	F1812	1	
18	F2	USB ESD Protection	SOT563	1	
19	J1, J2	6 pin Socket Header 2.54mm	1x6 Socket Header THT 2.54mm	2	6
20	J3	6 pin Dual Header 2.54mm	2x3 Pin Header 2.54	1	6
21	J4, J8	8 pin Socket Header 2.54mm	1x8 Socket Header THT 2.54mm	2	8
22	J5	1x6 pin Header 2.54mm	1x6 Pin Header 2.54	1	
23	J6, J13	1x6 pin Header 2.54mm	1x6 Pin Header 2.54	2	
24	J7, J14	1x6 pin Header 2.54mm	1x6 Pin Header 2.54	2	6
25	J9	1x8 pin Header 2.54mm	1x8 Pin Header 2.54	1	
26	J10	1x8 pin Header 2.54mm	1x8 Pin Header 2.54	1	
27	J11	1x8 pin Header 2.54mm	1x8 Pin Header 2.54	1	8
28	J12	1x6 pin Header 2.54mm	1x6 Pin Header 2.54	1	
29	J15	DC Power Jack	Jack 2.1	1	
30	J16	USB Micro B	USB_Micro_B	1	
31	L1		L0805	1	33R 0,008R 4000mA
32	L2		SRN8040	1	2,2uH 6,3A
33	L3		L0603	1	120R 0,025R 3000mA
34	Q1	Mosfet Channel P Enhancement Mode	SOT23-3	1	
35	Q2, Q3	Mosfet Channel P Enhancement Mode	SOT23-3	2	
36	R1, R2	Resistor	R0402	2	220R ±5% 0.063W
37	R3	Resistor	R0402	1	430R ±5% 0.063W
38	R4, R5, R8, R9	Resistor	R0402	4	330R ±5% 0.063W
39	R6	Resistor	R0402	1	100k ±1% 0.063W
40	R7	Resistor	R0402	1	1k ±5% 0.063W
41	R10, R11	Resistor	R0805	2	0R ±5% 0.125W
42	R12	Resistor	R0402	1	47k ±5% 0.063W
43	R13, R15, R17	Resistor	R0402	3	10k ±5% 0.063W
44	R14, R19	Resistor	R0402	2	470R ±5% 0.063W
45	R16	Resistor	R0402	1	33R ±5% 0.063W

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46	R18	Resistor	R0402	1	150k ±5% 0.063W
47	R20, R21	Resistor	R0402	2	82k ±1% 0.063W
48	R22	Resistor	R0402	1	18k ±1% 0.063W
49	R23	Resistor	R0402	1	820k ±1% 0.063W
50	R24	Resistor	R0402	1	20k ±1% 0.063W
51	R25	Resistor	R0402	1	270k ±1% 0.063W
52	R26	Resistor	R0402	1	51k ±1% 0.063W
53	SW1	SPDT Switch	Slide SW SPDT Right Angle	1	
54	SW2	SWITCH TAPE SEAL 3 POS SMD	SW DIP3 SMD 1.27	1	
55	SW3	Micro miniature pushbutton Surface Switch	SW_Vert_THT 7.5x6x6.5	1	
56	TX	Light Emitting Diode	LED0603	1	Red
57	U1	BC04-B Bluetooth module	BC04-B	1	BC04-B
58	U2	8-bit AVR Microcontroller	TQFP32	1	
59	U3	Standard 3pin LDO	TO-252	1	
60	U4	3A High Efficient Synchronous Step Down Converter With DCS™ Control	QFN16	1	
61	U5	IC USB TO SERIAL UART 28-SSOP	SSOP28	1	
62	U6	4-bit 1-of-2 FET multiplexer/demultiplexer	TSSOP16	1	
63	U7	Dual Operational Amplifier	VSSOP8	1	
64	Y1	Crystal	XTAL 11.4x4.7	1	16MHz

