

Zippy II REV- B BOM (KSZ8851SNL-BBE-EVAL)

Item	Qty	Mfr. Part No.	Ref. Des.	Description
1	1	Zippy II Rev-B		FAB, 2 Layer, 0.062 thick, Emmersion Gold, Lead-free, RoHS
2	2	74AVC4T74	U1, U2	IC, 4-bit Voltage Level Translator, TSSOP-16, Lead-free, SMT
3	1	KSZ8851SNL	U3	IC, Ethernet Controller w/ SPI Interface, MLF-32, Lead-free, SMT
4	1	AT93C46DN-SH-B	U4	IC, Serial EEPROM, 3.3V, 128 x 16, SOIC-8, SMT
5	1	MIC5209-3.3YS	U5	IC, 3.3V LDO Voltage Regulator, 500mA, SOT-223, Lead-free, SMT
6	1	AT24C01BN-SH-B	U6	IC, Serial EEPROM, 1.8V, 128 x 8, SOIC-8, SMT
7	2	TXS0102DCUR	U7, U9	IC, Voltage Translator / Buffer, USB, Lead-free, SMT
8	1	MAX3232CPWR	U8	IC, RS232 Transceiver, 2D/2R, 3.3V, TSSOP-16, Lead-free, SMT
9	1	DS1307Z+	U10	IC, Real-Time Clock, Serial-I2C, 5V, 64x8, 8-SOIC, Lead-free, SMT
10	1	MIC5235-1.8YM5	U11	IC, 1.8V LDO Voltage Regulator, 150 mA, SOT-23, Lead-free, SMT
11	2	C0603C180J5GACTU	C19, C20	Capacitor, Ceramic, 18pF, 50V, NPO, 0603, Lead-free, SMT
12	24	C0603C104K5RACTU	C1, C2, C4, C5, C6, C8, C10, C11, C13, C15, C17, C18, C21, C23, C24, C25, C26, C27, C28, C29, C34, C35, C36, C37	Capacitor, Ceramic, 0.1uF, 16V, X7R, ±10%, 0603, Lead-free, SMT
13	5	C0603C105K4FACTU	C7, C9, C22, C33, C38	Capacitor, Ceramic, 1uF, 50V, X5R, ±10%, 0603, Lead-free, SMT
14	4	C0603C475K8FACTU	C3, C12, C14, C16	Capacitor, Ceramic, 4.7uF, 10V, X5R, ±10%, 0603, Lead-free, SMT
15	3	T491A106K016AT	C30, C31, C32	Capacitor, Tantalum, 10uF, 16V, ±10%, A Case, Lead-free, SMT
16	5	LFBK1608TS601-T	FB1, FB2, FB3, FB4, FB5	Ferrite Bead, 600 Ohms, 0603, Lead Free, SMT
17	1	Header1x2	JP1	Header, 1x2, 0.1 Inch Centers, Lead-free, Thru-hole
18	1	Header1x3	JP2	<b>DO NOT INSTALL</b>
19	1	Header 2x14 Female	J1	Header, 2x14 Female Header, 0.1 inch lead spacing, Thru-hole
20	1	MHC-W21-601-LF	J2	Connector, SD/MMC Socket, Lead-free, SMT
21	1	HY911102A	J3	Connector, 10/100BaseT MagJack, Thru-hole, w/green & yellow LED's
22	1	DB9-MALE	J4	Connector, DB9 Male, Right Angle PCB Mount, Lead-free, Thru-hole
23	1	Header1x4	J5	Header, 1x4, 0.1 Inch Centers, Lead-free, Thru-hole
24	1	Header2x5 - Boxed	J6	Header, Male, Shrouded, 2x5, 0.1 Inch Centers, Lead-free, Thru-hole
25	5	CN1E4KTTD330J	RN1, RN2, RN3, RN6, RN7	Resistor Network, 33 Ohms, ±5%, SMT, 4 Resistors, 8 Pins, Lead-free
26	2	CN1E4KTTD103J	RN4, RN5	Resistor Network, 10K Ohms, ±5%, SMT, 4 Resistors, 8 Pins, Lead-free
27	3	00, ±5%, 0603	R20, R21, R30	Resistor, 0 Ohm, 1/10W, ±5%, 0603, Lead-free, SMT
28	5	33Ω, ±5%, 0603	R2, R23, R24, R26, R27	Resistor, 33 Ohm, 1/10W, ±5%, 0603, Lead-free, SMT
29	4	49.9Ω, ±1%, 0603	R6, R7, R8, R11	Resistor, 49.9 Ohm, 1/10W, ±1%, 0603, Lead-free, SMT
30	2	220Ω, ±5%, 0603	R12, R13	Resistor, 220 Ohm, 1/10W, ±5%, 0603, Lead-free, SMT
31	1	3.01KΩ, ±1%, 0603	R1	Resistor, 3.01K Ohm, 1/10W, ±1%, 0603, Lead-free, SMT
32	3	4.7KΩ, ±5%, 0603	R3, R14, R16	Resistor, 4.7K Ohm, 1/10W, ±5%, 0603, Lead-free, SMT
33	9	10KΩ, ±5%, 0603	R4, R5, R9, R10, R15, R22, R25, R28, R29	Resistor, 10K Ohm, 1/10W, ±5%, 0603, Lead-free, SMT
34	1	Battery Holder	B1	Socket, 12MM Coin Cell Battery Socket, Keyston p/n 3000, SMT
35	1	ABLS-25.000MHZ-B2F-T	Y1	XTAL, 25.000 MHZ, 18 pF, HC49, Lead-free, SMT
36	1	CM130-32.768KDZF-UT	Y2	XTAL, 32.768 KHZ, 12.5 pF, Lead-free, SMT

**ASSEMBLY NOTES:**

- 1) DO NOT INSTALL THE FOLLOWING PARTS: R17, R18, R19, JP2
- 2) USE ONLY LEAD-FREE SOLDER ON THIS ASSEMBLY.
- 3) THIS ASSEMBLY MUST BE ROHS COMPLIANT.