

## 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	74AVC4T774	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, US8, 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	C0603C105K4PACTU	C7,C9,C22,C33,C38	Capacitor, Ceramic, 1uF, 50V, X5R, ±10%, 0603, Lead-free, SMT
14	4	C0603C475K8PACTU	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	Conector, 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	0Ω, ±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.