

Bill of Material: ECO-Lite Wireless Keypad PCB Assembly: 600-000034-000							
Item #	EXI #	DESCRIPTION	QTY	SCHEMATIC REF	Alternate EXI #	MFR	MFG PN
1	380-000012-000	PCB, ECO LITE Wireless Keypad	1				
2	303-000001-000	Battery, Li-Mn, Size 2032, 230mAH, 3V, with Straight Horiz. Tabs, -30 to +70C	1	BT1		Panasonic	CR2032-SM
3	110-002023-105	CAP, 1uF, SMD, Tantalum, 35V, 10%, -55 to +125C, B size	3	C1, C12, C14		Matsuo	267M3502105KR
4	110-000042-103	CAP, 10nF, SMD, 0805, X7R, 25V, 10%, -55 to +125C	2	C2, C11		Kemet	C0805C103K3RAC
5	110-000039-102	CAP, 1000pF, SMD, 0805, NPO, 50V, 5%, -55 to +125C	2	C3, C8		Panasonic	ECUV1H102JCX
6	110-000037-3P9	CAP, 3.9pF, SMD, 0805, NPO, 50V, +/-0.5pF, -55 to +125C	1	C4		Kemet	C0805C399D5GAC
7	110-002022-475	CAP, 4.7uF, SMD, Tantalum, 25V, 10%, -55 to +125C, B size	1	C5		Matsuo	267E2502475KR
8	110-000042-104	CAP, 100nF, SMD, 0805, X7R, 25V, 10%, -55 to +125C	2	C6, C13		Kemet	C0805C104K3RAC
9	110-000039-120	CAP, 12pF, SMD, 0805, NPO, 50V, 5%, -55 to +125C	1	C7		Panasonic	ECUV1H120JCN
10	110-002006-474	CAP, 0.47uF, SMD, Tantalum, 25V, 10%, -55 to +125C, A size	1	C9		Matsuo	267M2502474KR
11	200-000008-000	Diode, Switching, 100mA, 70V, 225mW, SOT-23, -55 to +150C	4	D1, D2, D5, D6		Motorola	BAL99LT1
12	201-000001-000	Diode, Ultra Fast Switch., Dual, Com. Cath., 300mA, SOT-23, -55 to +150C	2	D11, D14		Rohm	BAV70
13	330-000005-002	LED, Z-Bend Lead, Green, Water Clear, 20mCD@20mA, 25 degrees	1	D12		Lumex	SSL-LXA228GC-TR31
14	330-000006-000	LED, SMD, 1206, Green, Clear, 12mCD@20mA, 70 degrees	1	D31		Lumex	SML-LX1206GC-TR
15	330-000004-002	LED, Z-Bend Lead, Super Red, Water Clear, 170mCD@20mA, 25 degrees	1	D4		Lumex	SSL-LXA228SRC-TR31
16	201-000002-000	Diode, Ultra Fast Switch., Dual, Com. Anode, 300mA, SOT-23, -55 to +150C	1	D9		Rohm	BAW56
17	120-000004-220	Inductor, 22nH, SMD, Size 1008, High-Q, 5%, -40 to +125C	1	L1		Coilcraft	1008CS-220XJBC
18	204-000002-000	Transistor, PNP, SOT-23, Vceo=40V, Ic=200mA	6	Q1, Q2, Q3, Q7, Q8, Q10		Motorola	MMBT3906LT1
19	204-000001-000	Transistor, NPN, SOT-23, Vceo=40V, Ic=200mA	2	Q4, Q5		Motorola	MMBT3904LT1
20	204-000008-000	Transistor, NPN, VHF/UHF, SOT-23, Vceo=25V, 225mW, -55 to +150C	1	Q6		Motorola	MMBTH10LT1
21	204-000009-000	Transistor, N-chan MOSFET, SOT-23, Vds=20V, 0.39A, -55 to +150C	1	Q9		Vishay/Siliconix	TN0201T
22	100-000013-103	RES, 10K, SMD, 5%, 1/10W, 0805, -55 to +125C	3	R1, R12, R42		Panasonic	ERJ6GEYJ103V
23	100-000013-683	RES, 68K, SMD, 5%, 1/10W, 0805, -55 to +125C	6	R13, R15, R24, R26, R27, R29		Panasonic	ERJ6GEYJ683V
24	100-000013-225	RES, 2.2M, SMD, 5%, 1/10W, 0805, -55 to +125C	6	R14,18,19,20,33,39		Panasonic	ERJ6GEYJ225V
25	100-000013-331	RES, 330, SMD, 5%, 1/10W, 0805, -55 to +125C	2	R16, R32		Panasonic	ERJ6GEYJ331V
26	100-000013-106	RES, 10M, SMD, 5%, 1/10W, 0805, -55 to +125C	4	R2, R4, R38, R43		Panasonic	ERJ6GEYJ106V
27	100-000013-334	RES, 330K, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R22		Panasonic	ERJ6GEYJ334V
28	100-000013-821	RES, 820, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R23		Panasonic	ERJ6GEYJ821V
29	100-000013-474	RES, 470K, SMD, 5%, 1/10W, 0805, -55 to +125C	5	R25, R30, R35, R36, R37		Panasonic	ERJ6GEYJ474V
30	100-000013-104	RES, 100K, SMD, 5%, 1/10W, 0805, -55 to +125C	6	R3, R10, R11, R17, R21, R28		Panasonic	ERJ6GEYJ104V
31	100-000013-206	RES, 20M, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R34		KOA	RM73B2AT206J
32	100-000013-102	RES, 1K, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R40		Panasonic	ERJ6GEYJ102V
33	100-000013-226	RES, 22M, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R41		KOA	RM73B2AT226J
34	100-000013-333	RES, 33K, SMD, 5%, 1/10W, 0805, -55 to +125C	3	R5, R6, R31		Panasonic	ERJ6GEYJ333V
35	100-000013-134	RES, 130K, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R7		Panasonic	ERJ6GEYJ134V
36	100-000013-823	RES, 82K, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R8		Panasonic	ERJ6GEYJ823V
37	100-000013-223	RES, 22K, SMD, 5%, 1/10W, 0805, -55 to +125C	1	R9		Panasonic	ERJ6GEYJ223V
38	310-000001-000	Switch, Rotary, Octal (8-pos.), SMD, Sealed	1	SW1		Grayhill	94HAB08W
39	312-000002-000	Switch, Reed, Pull-in Range 15-25 A-turns, 5W, 175V, 0.25A, -40 to +125C	1	SW2		Hamlin	MDRR-DT 15-25
40	210-000003-000	IC, Quad Analog Switch, CMOS, 4066, SO-14, -55 to +125C	1	U1		Motorola	MC14066BD
41	210-000001-000	IC, Hex Inverter, CMOS, 4069, SO-14, -55 to +125C	3	U2, U5, U7		Motorola	MC14069UBD
42	210-000004-000	IC, 8-bit Shift Reg., Async. P-to-S, CMOS, 4021, SO-16, -55 to +125C	1	U3		Motorola	MC14021BD
43	601-000002-000	Programmed PIC for ECO Lite Wireless Keypad	1	U4			
44	212-000001-001	IC, Serial EEPROM, I2C, SO-8, 1Kbits, 1.8V-5.5V, 0 to 70C	1	U6		Microchip	24AA01T/SN
45	124-000001-000	Resonator, SAW, 433.92MHz, +/-75kHz, SMD, -40 to +85C	1	Y1		RFM	RO2101A
46	911-000012-000	Schematic, ECO Lite Wireless Keypad	0				

47	932-000077-000	Assembly Instructions, ECO Lite Wireless Keypad PCB Assembly	0				
48	931-000018-000	Manufacturing Test Spec., ECO Lite Wireless Keypad PCB Assembly	0				
49	953-000001-000	Detailed Circuit Description, ECO Lite Wireless Keypad	0				