

BILL OF MATERIALS PBL 3309 REV -

Item#	Qty	Parts	Part No.	Description	Package	Manufacturer
1	1	BZ1	CEM-1201S or equivalent	BUZZER/Speaker		CUI
2	2	C1, C3	0805ZC104JAZ2A	ceramic chip cap .1u 16V	0805	AVX
3	1	C2A	0805YC274KAT2A	ceramic chip cap 0.27u 16V 10%	0805	AVX
4	1	C2B	EMK212SD333KD-T	ceramic chip cap 0.033u 16V 10%	0805	Taiyo Yuden
5	1	C4	TCJA336M006R0200	tantalum 10% 6.3V 33u	1206	AVX
6	1	C5	C0805C474K4RAC7800	ceramic chip cap .47u X7R	0805	Kemet
7	1	C6	293D226X96R3A2TE3	tantalum 10% 22u A case size	EIA 3216	Vishay
8	2	D1, D2	EL-17-21SURC/S530-A2/TR8	Red LED	0805	Everlight
9	4	D3,D7,D8,D9	EL-17-21VGC/TR8	Green LED	0805	Everlight
10	1	D4	MMSZ4688	4.7V Zener Diode	SOD123	Fairchild
11	1	D5	BAT54T1G or equivalent	Schottky Diode with >100mA rating	SOD123	Various
12	1	D6	MA2Z74800L	Shottky Diode	SOD323	Panasonic
13	1	L3	NLCV32T-220K-PF	Chip inductor 22u	1206	TDK
14	2	Q1,Q2	AO4420	N-ch MosFET	SO8	Alpha Omega
15	2	Q3,Q4	MMBT3904 or equivalent	NPN Transistor, 60Vceo, 200mA	SOT23	Various
16	5	R1, R2,R3,R4, R13	301-1.0K-RC	5% SMT 1.0K	0603	Xicon
17	1	R12	301-1.0M-RC	5% SMT 1M	0603	Xicon
18	4	R5,R6,R8,R11	301-10K-RC	5% SMT 10K	0603	Xicon
19	1	R7	301-2.2K-RC	5% SMT 2.2K	0603	Xicon
20	2	R9,R10	301-220-RC	5% SMT 220	0603	Xicon
21	1	S1	TC-22XC	4.7mm th hole sealed switch		Wealthmetal
22	1	S2	TC-22XC based footprint	7mm th hole sealed switch		Wealthmetal
23	1	T1	P4-F	TCO		
24	1	U1	μPD78F0500MC-5A4-A	NEC Microcontroller	SSOP30	NEC
25	1	U2	S-8354H50MC-JXJT2G	5V Step up regulator	SOT23-5	Seiko Instruments
26	1	X1	CSTCR4M91G53-R0	4.9152MHz Ceramic Resonator	CSTCR	Murata

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