

Bill of Materials

Designed by Don R. Oh
donoh@kornixtech.com

PROJECT : KVC200WL

Rev. : 02

Item	Qty	Description	Reference	Part Name	Remark
1	7	Capacitor	C3,C4,C10,C17,C18,C19, C26	100nF, 0402	
2	3	Capacitor	C8,C20,C22	100pF,0402	
3	2	Capacitor	C1,C2	10uF/6.3V, Tantal, 3126	
4	1	Capacitor	C5	10uF,0603	
5	2	Capacitor	C11,C25	1nF,0402	
6	2	Capacitor	C12	NC, 0402	
7	3	Capacitor	C9,C13,C14	3.3pF, 0402	
8	2	Capacitor	C15,C16	22pF,0402	
9	3	Capacitor	C21,C23,C24	1uF,0402	
10	1	Battery Holder	J1	CST-2450P, CST-2450M	
11	2	Diode	D1,D2	WSD521D	
12	2	LED	LED1,LED2	RED, SMD (0603)	
13	4	Transistor	Q1,Q3,Q4,Q7	MMBT3904, NPN	
14	1	Transistor	Q2	BC846BPDW, SOT363	
15	1	Transistor	Q6	FTK2301, SOT23	
16	2	Inductor	L3,L4	10nH, 0402	
17	1	Inductor	L5	12nH, 0402	
18	1	Inductor	L6	100nH, 0402	
19	1	Inductor	L7	VLS3015ET-100M (TDK)	
20	7	Resistor	R1,R2,R4,R7,R10,R15,R19,	2.2K, 0402	
21	1	Resistor	R3	180R, 0402	
22	9	Resistor	R5,R6,R8,R9,R11,R17,R22, R23,R25	10K, 0402	
23	5	Resistor	R12,R14,R16,R18,R24	1M, 0402	
24	2	Resistor	R13,R26	220K, 0402	
25	1	Resistor	R21	270R, 0603	
26	1	Buzzer	BZ1	BPE-1203S-40	
27	1	Switch	SW1	EST-1102S, Tact Switch	
28	1	DC/DC	U1	MAX1724EZK33	
29	1	CPU	U2	EFM8BB10F4G, QFN20	
30	1	RF IC	U4	Si4463, QFN20	
31	2	Logic IC	U3,U5	74LVC1G175, SOT236	
32	1	Crystal	Y1	30MHz, 3225	