

Bill of MaterialsDesigned by Don R. Oh
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PROJECT : KVC200RM

Rev. : 02

Item	Qty	Description	Reference	Part Name	Remark
1	6	Capacitor	C1,C3,C5,C11,C19,C20	100nF, 0402	
2	3	Capacitor	C8,C21,C23	100pF,0402	
3	2	Capacitor	C4,C18	1nF,0402	
4	1	Capacitor	C12	NC, 0402	
5	2	Capacitor	C6,C7	10uF/6.3V, Tantal, 3216	
6	3	Capacitor	C9,C13,C14	3.3pF, 0402	
7	2	Capacitor	C15,C16	22pF,0402	
8	3	Capacitor	C22,C24,C26	1uF,0402	
9	1	Battery Holder	J1	CST-2450P, CST-2450M	
10	1	Diode	D1	WSD521D	
11	1	LED	LED1	RED, SMD (0603)	
12	1	Transistor	Q2	MMBT3904, NPN	
13	1	Transistor	Q1	BC846BDW, SOT363	
14	1	Transistor	Q3	FTK2301, SOT23	
15	2	Inductor	L3,L4	10nH, 0402	
16	1	Inductor	L5	12nH, 0402	
17	1	Inductor	L6	100nH, 0402	
18	1	Inductor	L7	VLS3015ET-100M (TDK)	
19	5	Resistor	R2,R6,R10,R15,R20	2.2K, 0402	
20	6	Resistor	R1,R4,R5,R7,R12,R13	10K, 0402	
21	1	Resistor	R11	220K, 0402	
22	3	Resistor	R9,R17,R19	1M, 0402	
23	1	Resistor	R22	100K, 0402	
23	2	Switch	SW1,SW2	CTT-1187, Tact Switch	
24	1	CPU	U1	EFM8BB10F8G, QFN20	
25	1	RF IC	U4	Si4463, QFN20	
26	2	Logic IC	U2,U3	74LVC1G175, SOT236	
27	1	DC/DC	U5	MAX1724EZK33	
28	1	Crystal	Y1	30MHz, 3225	