Bill of material – USB IR Receiver (REV A)
21/Janv/2013

Qty.	Part ID	Description	Mfg. SKU	Manufacturer	Package	Value
1	J2	3 Pos - Single Row - 2.54mm header - R/A	22-05-3031	Molex	22-05-3031	-
1	J1	4 Pos - Single Row - 2.54mm header - R/A	22-05-3041	Molex	22-05-3041	-
2	D3, D4	Diode - SMT 0603 - 1N4148	1N4148	-	SMT 0603	-
1	D2	Diode - SMT 0603 - CDSU4148	CDSU4148	-	SMT 0603	-
1	U3	Automatic Battery Back-Up Switch	ICL7673CBA	Intersil	SOIC8	-
1	U1	Microcontroller - 24k PROG / 2048 RAM / 256 EEPROM	PIC18F2455-I/SO	Microchip	SOIC28	-
1	Q4	Mosfet N-Channel - 60V 0.23A - SOT-23	BSS138K	-	SOT23	-
2	Q2, Q3	PNP medium power transistor - 20V	ZXTP19020CFF	Zetex	SOT23	-
1	U2	IR Receiver Module - 38kHz	TSOP6238	Vishay Semiconductors	TSOP62XX	-
1	R12	Resistor - SMT 0603 - 0	-	-	SMT 0603	0
3	R9, R10, R13	Resistor - SMT 0603 - 1M	-	-	SMT 0603	1M
4	C3, C6, C8, C9	Capacitor - SMT 0603 - 1uF	-	-	SMT 0603	1uF
2	R3, R5	Resistor - SMT 0603 - 3k	-	-	SMT 0603	3k
2	R7, R11	Resistor - SMT 0603 - 10k	-	-	SMT 0603	10k
2	C1, C2	Capacitor - SMT 0603 - 18pF	-	-	SMT 0603	18pF
1	X1	Crystal - SM49 - 20MHz	CSM1Z-A0B2C3-50-20.0D18	Cardinal Components	SM49	20MHz
2	R4, R6	Resistor - SMT 0603 - 30k	-	-	SMT 0603	30k
1	R1	Resistor - SMT 0603 - 100	-	-	SMT 0603	100
2	C4, C5	Capacitor - SMT 0603 - 100nF	-	-	SMT 0603	100nF
1	R2	Resistor - SMT 0603 - 330	-	-	SMT 0603	330
1	D1	Led Chip 0805 - Green	-	-	SMT 0805	Green