

# Component list

## PROYECTO RELOJ BOM

Source Data From: PCB\_Clock\_Project2012.PrjPcb  
 Project: PCB\_Clock\_Project2012.PrjPcb  
 Variant: None  
Manuel Sanchez  
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#	Quantity	Designator	COMPONENT DESCRIPTION	PART NUMBER	MANUFACTURER	DISTRIBUTION	DISTRIBUTION PN
1	1	BT1	PC BATTERY HOLDER (2) AAA	2468	KEYSTONE	DIGIKEY	2468K-ND
2	4	C1, C2, C3, C4	SMD Capacitor, Ceramica, Multicapas, 0.1uF, 20%, 50V, Z5U	08055E104MAT2A	AVX	MOUSER	08055E104MAT2A
3	1	C5	SMD Capacitor, Tantalum, 10uF, 10%, 6.3V, 3216-18	293D106X96R3A2TE3	VISHAY/SPRAGUE	MOUSER	74-293D106X96R3A2TE3
4	2	C6, C7	SMD Capacitor, Multicapas, 22pF, 10%, 16V, COG, 0805	C0805C220K4GACTU	KEMET	MOUSER	C0805C220K4GACTU
5	1	C8	SMD Tantalum Capacitor, Case C (6032-28), 10uF, 10%, 16V,	T495C106K016AT	KEMET	MOUSER	80-T491C106K016
6	1	C9	SMD Tantalum Capacitor, Case D (7343-31), 100uF, 10%, 10V,	T494D107K010AT	KEMET	MOUSER	80-T494D107K010
7	1	D2	Thru-hole Led, Green, 2.4V, 10mcd	TLHG4200	VISHAY	MOUSER	78-TLHG4200
8	1	D3	SMD Schottky Power Rectifier, 0.5A, 20V, SOD-123	MBR0520LT1G	ON-	MOUSER	863-MBR0520LT1G
9	2	FD1, FD2					
10	1	J1	Mini-B USB Connector, Receptacle, R/A, SMT, With Mylar Tape	DX2R005HN2E700	JAE ELECTRONICS	MOUSER	656-DX2R005HN2E700
11	1	L1	SMD Power Inductor, 47uH, 20%, Size 1607	NR4018T470M	TAIYO YUDEN	DIGIKEY	587-1670-1-ND
12	1	LCD1	Monochrome Segment LCD, Static, Digit Height 8.89mm, Viewing	VI-401-DP-RC-5	VARITRONIX	DIGIKEY	153-1102-ND
13	1	P1	HEADER ASSY., 2.54MM LS, BREAKAWAY, 5POS	5-146292-5	TYCO ELECTRONICS	MOUSER	571-5-146292-5
14	1	Q1	P-Channel 1.8V Vgs MOSFET, SOT-323	SI1307DL	VISHAY SILICONIX	MOUSER	781-SI1307DL-E3
15	34	R1, R4, R6, R7, R8, R9, R13, R14, R15,	Resistencia, Thick Film, 4.7K, 5%, 1/8W, 0805	RK73B1JTTD472J	KOA	MOUSER	660-RK73B2ATTD472J
16	2	R2, R3	Resistencia, Thick Film, 100K, 5%, 1/10W, 0805	260-100K-RC	XICON	MOUSER	260-100K-RC
17	1	R5	SMD Resistor, Thick Film, 560 Ohms, 5%, 1/4W, 1206	RK73B2BTDD561J	KOA	MOUSER	660-RK73B2BTDD561J
18	3	R10, R11, R12	Resistencia, Thick Film, 2K, 5%, 1/8W, 0805	RK73B1JTTD202J	KOA	MOUSER	660-RK73B2ATTD202J
19	2	R41, R42	SMD Resistor, Thick Film, 10K, 1%, 1/8W, 0805	RK73H2ATTE1002F	KOA SPEERS	MOUSER	660-RK73H2ATTE1002F
20	3	SW1, SW2, SW3	SMD Light Switch, 4.9mm, EVQPL	EVQ-PLMA15	PANASONIC	MOUSER	667-EVQ-PLMA15
21	4	TP1, TP2, TP3, TP4					
22	1	U1	SMD, 16-Bit Microcontroller, USB OTG, 64K Flash, 16K SRAM,	PIC24FJ64GB110-IPT	MICROCHIP	MOUSER	579-PIC24FJ64GB110IPT
23	1	U2	Micropower Step-Up DC to DC Converter, 200mA, +3.3V, SOT23-	NCP1402SN33T1G	ON	MOUSER	863-NCP1402SN33T1G
24	1	Y1	SMD Ceramic Resonator, 12 MHz	CSTCE12M0G15L99-R0	MURATA	MOUSER	81-CSTCE12M0G15L99R0

Approved

Notes