

MAXREFDES73# BOM RevA

Designation	Qty	Description
C8, C10	2	0.1uF 10%, 6.3V, X5R ceramic capacitors (0402) Murata GRM155R60J104K
C11-C19, C22, C27, C30, C41	13	1uF 10%, 6.3V, X5R ceramic capacitors (0402) TDK C1005X5R0J105K
C20, C21, C36, C38, C42, C50	6	4.7uF 10%, 6.3V, X5R ceramic capacitors (0402) TDK C1005X5R0J475K050BC
C25	1	10pF 5%, 50V, C0G ceramic capacitor (0402) Murata GRM1555C1H100J
C26	1	51pF 5%, 50V, C0G ceramic capacitor (0402) Murata GRM1555C1H510J
C29, C44, C47	3	470pF 5%, 50V, C0G ceramic capacitors (0402) Murata GRM1555C1H471J
C31, C32	2	100pF 10%, 50V, C0G ceramic capacitors (0402) Murata GRM1555C1H101J
C33, C51	2	4700pF 10%, 25V, X7R ceramic capacitors (0402) Murata GRM155R71E472K
C34, C37, C43	3	0.01uF 10%, 16V, X7R ceramic capacitors (0402) Murata GRM155R71C103K
C9, C35, C52, C53	4	10uF 20%, 10V, X5R ceramic capacitors (0402) Murata GRM155R61A106M
C39	1	1uF 10%, 25V, X7R ceramic capacitor (0603) Murata GRM188R71E105K
C40	1	2.2uF 20%, 6.3V, X5R ceramic capacitor (0402) Murata GRM155R60J225M
C45, C46	2	15pF 5%, 50V, C0G ceramic capacitors (0402) Murata GRM1555C1H150J
D1	1	Red LED (0603) OSRAM LS L29K-G1J2-1-Z
D2	1	Green LED (0603) OSRAM LG L29K-G2J1-24-Z
D3	1	Yellow LED (0603) OSRAM LY L29K-H1K2-26-Z
J1	1	JTAG connection receptacle (1mm pitch, 4x2 pins) Harvin Inc M40-3100445R
J2	1	USB Micro B R/A Molex 0473460001
L1, L2, L3	3	10uH 50mA inductors (0603) Murata LQM18FN100M00D
R13-R16, R26, R27	6	4.7k ohm 5% resistors (0402) Any Any
R8, R9, R36	3	1k ohm 5% resistors (0402) Any Any

R17, R18	2	43k ohm 5% resistors (0402) Any Any
R19, R20	2	10k ohm 0.1% resistors (0402) Panasonic ERA-2AEB103X
R29, R30	2	10k ohm 1% resistors (0402) Any Any
R25	1	16k ohm 5% resistors (0402) Any Any
R28	1	27k ohm 5% resistor (0402) Any Any
R31	1	51k ohm 5% resistor (0402) Any Any
R32	1	1M ohm 5% resistor (0402) Any Any
R33	1	1 ohm 1% resistor (0402) Any Any
R34, R35	2	1.2M ohm 1% resistors (0402) Any Any
R41, R42	2	150 ohm 5% resistors (0402) Any Any
R38, R39	2	100k ohm 1% resistors (0402) Any Any
R40	1	10M ohm 5% resistor (0402) Any Any
SW1	1	SPST normally open tactile switch E-Switch TL1015AF160QG
U1	1	Wellness measurement microcontroller (WASP) (120 CTBGA) Maxim MAX32600-J85B+
U2	1	Linear Li+ battery charger Maxim MAX8814ETA+
U3	1	Bluetooth low energy controller (24 QFN-EP) EM Microelectronic EM9301V02LF24D+
U4	1	Linear regulator (SOT23-6) Maxim MAX8880EUT+
Y2	1	32.768KHz 20ppm crystal(2.00mmx1.2mm) Abracon ABS06-107-32.768KHZ-T
Y3	1	26MHz 20ppm crystal (3.20mmx2.50mm) Abracon ABM8-26.000MHZ-10-1-U-T
C48, C49	0	Not installed, capacitor (0402)
RTD	1	NTC sensor Exsense MTS30K15C37C3950DAYX-ML40A
Electrodes	2	Brass bushing #B129 (5mmx5mm) www.perrinwatchparts.com Bergeon #B129
Wrist strap watch band	1	Wrist strap watch band
PCB	1	PC board: MAXREFDES73# WASP GSR

battery	1	LIR2032 with No.97 tab style CLN Electronics LIR2032
screws	4	flat brass screws Morris F000120B250
nuts	12	brass hex nuts Morris N000120B
washer	1	clear flat washer Essentra 173000400022