

Components name	Manufacturer/Online site name	Brand	Specifications	Package	Quantity
Atmega328p	electronicscomp	Microchip/Atmel	MCU	TQFP	1
Crystal Oscillator	Ktron/evelta	YXC	16MHz	HC49SMD	1
Oled display	Tomson	-	0.96" Yellow-Blue	-	1
USB Type A Connector	Ktron	-	Right angle	Through hole	1
USB Type C Connector	Ktron	-	16 pin or 6 pin	SMD	1
TP4056	Ktron	NanJing Top Power ASIC Corp.	Single Li-ion chrger IC	SOP-8	1
Battery protection IC - DW01A	Ktron	HM Semi	OC, OD, polarity reversal protection	SOT - 23 - 6	1
DC - DC MT3608	Ktron	Aerosemi	step up converter	SOT - 23 - 6	1
LM 358	etstore	Ti	dual op-amp	SOP - 8	1
N - Channel mosfet - FS8205A	Ktron	Fortune semiconductor corporation	Dual n - channel mosfet	TSSOP - 8	1
P - Channel mosfet - AO3415	Ktron	Alpha & Omega semiconductor	Single p - channel mosfet	SOT - 23	2
Transistor - BC847	Ktron	Nexperia	NPN	SOT - 23	1
Transistor - PMBT3904	Ktron	Nexperia	NPN	SOT - 23	1
Diode - SS14	Ktron	Onsemi	schottky barrier rectifier	SMA (DO-214AC)	2
Diode - SS34	Ktron	Wisemi	schottky barrier diode	SMA (DO-214AC)	1
LED	Tomson	-	Red, 3mm, diffused	Through hole	1
LED	Tomson	-	Blue, 3mm, clear	Through hole	1
Inductor	Ktron	-	22uH, 10*10mm	SMD	1
Tactile switch	Tomson	-	10mm height	Through hole	5
Multi Layered Ceramic Capacitor (MLCC)	Tomson	-	22pf, 50V	1206	2
Multi Layered Ceramic Capacitor (MLCC)	Tomson	-	0.1uf, 50V	1206	2
Multi Layered Ceramic Capacitor (MLCC)	Ktron	-	10uf, 25V	0805	2
Multi Layered Ceramic Capacitor (MLCC)	Ktron	-	22uf, 25V	0805	2
Resistor quarter watt	Evelta	Royal ohm	100E, 1%	1206	1
Resistor quarter watt	Evelta	Royal ohm	240E, 1%	1206	2
Resistor quarter watt	Tomson	-	1k	1206	4
Resistor quarter watt	Evelta	Royal ohm	2k, 1%	1206	1
Resistor quarter watt	Evelta/Tomson	Royal ohm	10k, 1%	1206	12
Resistor quarter watt	Evelta	Royal ohm	15k, 1%	1206	1
Resistor quarter watt	Evelta	Royal ohm	68k, 1%	1206	1
Resistor quarter watt	Evelta	Royal ohm	33k, 1%	1206	1
Resistor quarter watt	Evelta	Royal ohm	100k, 1%	1206	3
Resistor quarter watt	Evelta	Royal ohm	110k, 1%	1206	1
Resistor quarter watt	Evelta	Royal ohm	220k, 1%	1206	1
				Total	61