

Side (T/B)	Item	Quantity	Value	Package
T	Slide switch	5	-	-
	Red LED	3	-	THT
	Capacitor (Ceramic)	8	1µF	THT
	7-segment LED display	6	-	THT
	MCP6001 - rail-to-rail OP Amp	1	-	SOT-23-5
	Potentiometer	1	5kΩ	THT
	ICL7107CPL - ADC w/ LED driver	1	-	THT
	1s 18650 Li-ion charging module w/ protection	1	-	THT
	Resistor (Thick Film)	1	1MΩ	1206
		1	22kΩ	1206
B	Stand-off + nut	4	M3	-
	18650 Li-ion battery holder	1	-	SMD
	18650 Li-ion battery cell	1	-	-
	TPS613222A - 5V boost converter	1	-	SOT-23-5
	Inductor	1	2.2µH	SMD
	ZLLS410TA - Diode	1	-	SOD323
	ICL7660 - Charge pump (converts +5V → -5V)	1	-	SOIC-8
	Capacitor (Electrolytic)	2	100µF	SMD
		1	120µF	1206
		3	10µF	0201
		1	100pF	1206
		1	100nF	1206
		1	470nF	1206
		1	220nF	1206
		1	10nF	1206
		19	470Ω	1206
		3	330Ω	1206
	Resistor (Thick Film)	1	100kΩ	1206
		1	20kΩ	1206
		1	390Ω	1206
		1	47kΩ	1206