

#	Component	Qty	Specific value/Name/Link	Package/Dimensions
1	Resistor	7	10k	0603_1608Metric
2	Resistor	1	56k	0603_1608Metric
3	Resistor	1	3k	0603_1608Metric
4	Resistor	7	1k	0603_1608Metric
5	Resistor	4	160R	0603_1608Metric
6	Resistor	8	1k6	0603_1608Metric
7	Resistor	2	4k7	0603_1608Metric
8	Resistor for LED	5	According to the LED	0603_1608Metric
9	Resistor measuring current	4	5mOhm	1206_3216Metric
10	Capacitor	1	10uF/50V	1206_3216Metric
11	Capacitor	1	10uF	1206_3216Metric
12	Capacitor	5	1uF	1206_3216Metric
13	Capacitor	11	100nF	1206_3216Metric
14	Capacitor	4	10nF	1206_3216Metric
15	Capacitor	4	1nF	1206_3216Metric
16	Capacitor	1	1mF	Radial_D12.5mm_P5.00mm
17	LED	1	LED_B	0603_1608Metric
18	LED	1	LED_G	0603_1608Metric
19	LED	1	LED_R	0603_1608Metric
20	LED	1	LED_O	0603_1608Metric
21	LED 5mm	1	LED	D5.0mm; flat top
22	Diode - TVS	1	SMAJ12	SMA
23	Diode - TVS	1	SMAJ33	SMA
24	Diode - Zener	5	BZT52C4V7	SOD-123
25	Power MOSFET	4	IRFB11N50APBF	TO-220-3
26	Low power MOSFET	3	BSS670S2LH6327XTSA	SOT23
27	Measuring amplifier	4	INA199A2DCK	SOT-363_SC-70-6
28	MOSFET driver	1	TC4469xSO	SOIC-16W_7.5x10.3mm_P1.27mm
29	Processor	1	STM32F030C6Tx	LQFP-48_7x7mm_P0.5mm
30	Temperature sensor	1	TC74A0	TO-220-5
31	Voltage regulator	1	TSR_1-2433	
32	Buzzer	1		Buzzer_12x9.5RM7.6
33	Button	3	TACT Microswitch	6mm_H8mm; SPST-NO
34	Encoder	1	BOURNS PEC12R-4225F-S0024	
35	Fuse clips	2	LITTELFUSE 01000020Z	
36	Fuse reusable polymer - 500 mA	2	MF-MSMF050/60-2	1812_4532Metric
37	Fuse smaller than 24 A	1	Generic	5x20 mm
38	Fuse 200 mA	1	Generic	5x20 mm
39	Connector to fan	2	MOLEX 22-27-2021	2pin MOLEX
40	Connector to LCD	1	MOLEX 22-27-2041	4pin MOLEX
41	Programming connector	1	MOLEX 22-27-2051	5pin MOLEX
42	Connector between boards	2	Amphenol Communications Solutions T821112A1S100CEU	12pin IDC
43	Connector input voltage	1	XY301V-2P (5.00)	Screw terminals 5mm pin spacing
44	Cable between boards	1	<a href="#">CONNFLY DS1052-122B2MA201501</a>	12pin IDC; 15 cm
45	Input banana plugs	2	<a href="#">Aliexpress link (one red, one black)</a>	4mm banana plugs
46	DIP switch	1		
47	Power supply	1	MEAN WELL RS-15-12	12 V DC
48	Mains connector	1	<a href="#">SCHURTER 6200.4225</a>	IEC with fuse holder
49	Mains switch	1	<a href="#">E-SWITCH BA11131121</a>	Rocker switch
50	Fan	2	SUNON MF50151VX-1000U-A99	50x50x15 mm; 12 V
51	Electrically isolated thermal conducting pad	5	AWakefield Thermal 173-7-240	TO220
52	Radiator heatsink	1	<a href="#">Aliexpress link</a>	50x50x150 mm aluminium
53	Case	1	<a href="#">TEKO AUS 22_9</a>	Black ABS
54	Rubber antislip feet	8	FIX-SF-007	10,5x10,5 mm max; height doesnt matter
55	Screw self tapping	>26	ISO 7049 / DIN 7981F - 2,9mm thread; 6,5 mm length	Everything screwed into plastic with those screws
56	Screw M3	??	M3x6-16	Everywhere else except for fans, dont remember all lengths
57	Screw M4	2	M4x18 tapered	Fan on the heatsink
58	Screw M4	2	M4x16	Stand
59	Nuts and washers	??	M3, M4	
60	TO-220 isolation rings under screw	5	TO-220	