



**SHORT CIRCUIT**  
HARDWARE DESIGNATHON



## List of Components:

These components are available at the Short Circuit MarketPlace as well as the Auction.

1. 2N222
2. 2N3391A
3. 2N3904
4. 7 SEGMENT
5. 74150N
6. 74151N
7. 74152AJ
8. 74154N
9. 74155N
10. BC546B
11. BC547B
12. Capacitor 0.1uF
13. Capacitor 0.5uF
14. Capacitor 100uF
15. Capacitor 10nF
16. Capacitor 10uF



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17.	Capacitor 220uF
18.	DAC0808
19.	Diode 1B4B42
20.	Diode 1N4148
21.	Diode 1N5817
22.	Diode 1N750
23.	Diode 1N914
24.	Diode BZX84C10L
25.	Diode BZX84C12L
26.	Diode RB400D
27.	DPDT
28.	DPST
29.	IC 1458
30.	IC 1558
31.	IC 3403
32.	IC 4029
33.	IC 4510
34.	IC 4516
35.	IC 555



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36.	IC 709
37.	IC 7400
38.	IC 7402
39.	IC 7404
40.	IC 7408
41.	IC 741
42.	IC 7411
43.	IC 74151N
44.	IC 74238
45.	IC 7432
46.	IC 744075
47.	IC 747
48.	IC 7486
49.	IC 7490
50.	IC 74LS138D
51.	IC 74LS74D
52.	IC 7812
53.	IC 7818
54.	IC LM317



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55.	LCD 16x2
56.	LCD 8x2
57.	LED
58.	Microcontroller AT8919C51
59.	Numeric Keypad - 4X4
60.	Numeric Keypad - 4X5
61.	OPAMP
62.	PIC16F737
63.	PIC18F4520
64.	Resistor 1 Ohm
65.	Resistor 100 Ohm
66.	Resistor 10k Ohm
67.	Resistor 1k Ohm
68.	Resistor 220 Ohm
69.	Resistor 4.7k Ohm
70.	Resistor 47 Ohm
71.	Resistor 470 Ohm
72.	Resistor 5.6 Ohm
73.	Resistor 56 Ohm



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74.	Resistor 5k Ohm
75.	Resistor 7.5k Ohm
76.	Resistor 9.1 Ohm
77.	Resistor 9.1K Ohm
78.	Resistor 91 Ohm
79.	SPDT
80.	SPST

- **Power supply** has to be designed for every circuit, and you are free to choose its components. (**outside** of this list too)
- The rest of your circuit has to be designed using the above list of components only.

**ALL THE BEST!!!**