

Component box for Electronics - TIF Labs Pvt		
Technical Specifications		
Sr.No	Components	Qty per kit
	1/4W, 1% Metal Film Resistors	
1	10 Ω	10
2	22 Ω	5
3	33 Ω	5
4	47 Ω	5
5	51 Ω	5
6	68 Ω	5
7	75 Ω	5
8	100 Ω	10
9	120 Ω	5
10	150 Ω	5
11	200 Ω	5
12	220 Ω	5
13	270 Ω	5
14	330 Ω	5
15	470 Ω	5
16	510 Ω	5
17	680 Ω	5
18	750 Ω	5
19	1 k Ω	20
20	2 k Ω	5
21	2.2 k Ω	5
22	3.3 k Ω	5
23	4.7 k Ω	5
24	5.1 k Ω	5
25	6.8 k Ω	5
26	10 k Ω	20

27	22 k Ω	5
28	33 k Ω	5
29	47 k Ω	5
30	51 k Ω	5
31	68 k Ω	5
32	75k Ω	5
33	100 k Ω	10
34	220 k Ω	5
35	330 k Ω	5
36	470 k Ω	5
37	560k	5
38	680 k Ω	5
39	750k Ω	5
40	1 M Ω	5
41	Breadboard mountable Pot 1k	5
42	Breadboard mountable Pot 10k	5
43	Breadboard mountable Pot 100k	5
44	150 Ω , 2W MFR/Carbon Resistor (breadboard mountable)	5
	Non-Polar Polyester Capacitors	
45	1nF	5
46	2.2nF	5
47	3.3nF	5
48	4.7nF (472J100)	5
49	10nF (103J100)	5
50	22nF	5
51	33nF	5
52	47nF	5
53	100nF (104J100)	10
54	220nF	5
55	330nF	5
56	470nF	5
57	1 μ F (105J100)	5
	Electrolytic Capacitors 50V or above	

	(keltron make or equivalent)	
58	2.2 μ F	5
59	3.3 μ F	5
60	4.7 μ	5
61	6.8 μ	5
62	10 μ F	5
63	22 μ F	5
64	33 μ F	5
65	47 μ F	5
67	100 μ F	5
69	220 μ F	2
70	470 μ F	2
71	1000 μ F	2
	Inductor	
72	1mH	3
73	10mH	3
74	47mH	3
75	100mH	3
	Discrete Semiconductors	
76	Diode : 1N4148	10
77	Diode : 1N4007	5
78	Zener Diode (5.1V)	2
79	Red LED (5 mm)	5
80	Green LED (5 mm)	5
81	Yellow LED (5 mm)	5
82	RGB LED, CC	2
83	RGB LED, CA	2
84	Photo-Transistor BPW96C (5 mm)	2
85	Transistor: BC 107B (NPN)	10
86	Transistor: BC 177B (PNP)	5
87	Transistor: TIP 122 (NPN)	2
88	Transistor: TIP 127 (PNP)	2
	IC's	
89	LM 741C (preferably ST make)	10

90	LM 324 (preferably ST make)	2
91	NE 555	2
92	Positive Voltage Regulator 7805	2
93	Negative Voltage Regulator 7905	2
	Electrical accessories	
94	Breadboard GL 12	2
95	Battery 9V (Hi Watt make or equivalent)	2
96	9V Battery Snap (Connector)	2
97	Breadboard mountable switches: 4 pin	5
98	Breadboard mountable switches: 2 pin	5
	Single strand wire (23 guage) compatible	
	with breadboard GL 12	
101	Red wire (5m)	1
102	Black wire (5m)	1
103	Blue wire (5m)	1
104	Yellow wire (5m)	1
105	4-position DIP switch	1