



Item #	Designator	Description	Comment	Quantity	Manufacturer 1	Manufacturer Part Number 1
1	C1		Capacitor 10uF	1		
2	C2		Capacitor 100uF	1		
3	C3		Capacitor .1uF	1		
4	C4		Capacitor 100uF	1		
5	C5		Capacitor .1uF	1		
6	C6		Capacitor 100uF	1		
7	C7		Capacitor .1uF	1		
8	C8		Capacitor 33pF	1		
9	C9		Capacitor 33pF	1		
10	C10		Capacitor .1uF	1		
11	C11		Capacitor .1uF	1		
12	C12		Capacitor .1uF	1		
13	C13		Capacitor .1uF	1		
14	D1	High Conductance Fast Diode	Diode 1N4148	1		
15	D2	High Conductance Fast Diode	Diode 1N4148	1		
16	D3	High Conductance Fast Diode	Diode 1N4148	1		
17	D4	High Conductance Fast Diode	Diode 1N4148	1		
18	D5	High Conductance Fast Diode	Diode 1N4148	1		
19	D6	High Conductance Fast Diode	Diode 1N4148	1		
20	D7	High Conductance Fast Diode	Diode 1N4148	1		
21	D8	High Conductance Fast Diode	Diode 1N4148	1		
22	D9	High Conductance Fast Diode	Diode 1N4148	1		
23	D10	High Conductance Fast Diode	Diode 1N4148	1		
24	D11	High Conductance Fast Diode	Diode 1N4148	1		
25	D12	High Conductance Fast Diode	Diode 1N4148	1		
26	D13	High Conductance Fast Diode	Diode 1N4148	1		
27	D14	High Conductance Fast Diode	Diode 1N4148	1		
28	D15	High Conductance Fast Diode	Diode 1N4148	1		
29	D16	High Conductance Fast Diode	Diode 1N4148	1		
30	D17	High Conductance Fast Diode	Diode 1N4148	1		
31	D18	High Conductance Fast Diode	Diode 1N4148	1		
32	D19	High Conductance Fast Diode	Diode 1N4148	1		
33	D20	High Conductance Fast Diode	Diode 1N4148	1		
34	D21	High Conductance Fast Diode	Diode 1N4148	1		
35	D22	High Conductance Fast Diode	Diode 1N4148	1		
36	D23	High Conductance Fast Diode	Diode 1N4148	1		
37	D24	High Conductance Fast Diode	Diode 1N4148	1		
38	D25	High Conductance Fast Diode	Diode 1N4148	1		
39	D26	High Conductance Fast Diode	Diode 1N4148	1		
40	D27	High Conductance Fast Diode	Diode 1N4148	1		
41	D28	High Conductance Fast Diode	Diode 1N4148	1		
42	D29	1 Amp General Purpose Rectifier	Diode 1N4001	1		
43	D30	1 Amp General Purpose Rectifier	Diode 1N4001	1		
44	EC1		S100 Serial Edge Connector	1		

45	EC2		S100 Serial Edge Connector	1		
46	EC3		S100 Connector	1		
47	J1		DIP8 Jumper	1		
48	J2	MINI USB A - 5POS Horizontal through	USB Mini B	1		
49	LED1		Generic LED 5mm	1		
50	LED2		Generic LED 5mm	1		
51	LED3		Generic LED 5mm	1		
52	P1	Header, 4-Pin, Right Angle	Header 4H	1		
53	Q1	2N3906 GP PNP	2N3906	1		
54	Q2	2N3906 GP PNP	2N3906	1		
55	Q3	NPN General Purpose Amplifier	2N3904	1		
56	Q4	NPN General Purpose Amplifier	2N3904	1		
57	R1	Resistor	Res2	1		
58	R2	Resistor	Res2	1		
59	R3	Resistor	Res2	1		
60	R4	Resistor	Res2	1		
61	R5	Resistor	Res2	1		
62	R6	Resistor	Res2	1		
63	R7	Resistor	Res2	1		
64	R8	Resistor	Res2	1		
65	R9	Resistor	Res2	1		
66	R10	Resistor	Res2	1		
67	R11	Resistor	Res2	1		
68	R12	Resistor	Res2	1		
69	R13	Resistor	Res2	1		
70	R14	Resistor	Res2	1		
71	R15	Resistor	Res2	1		
72	R16	Resistor	Res2	1		
73	R17	Resistor	Res2	1		
74	SW1	LCSC Push button SMD	Button	1		
75	U1	ARM Cortex-M3 32-bit MCU, 64 KB Fla	STM32F103C8T6	1		
76	U2		74LS367	1		
77	U3	LM7805 Linear Voltage Regulator	LM7805	1		
78	U4		74LS367	1		
79	U5		74LS367	1		
80	U6	Triple 3-input positive-NAND gates, NO	SN74LS10N	1		
81	U7	LM7805 Linear Voltage Regulator	LM7805	1		
82	U8	Hex inverters, N0014A, TUBE	SN74LS04N	1		
83	U9	1-Amp 3.3-Volt Low Drop Out Voltage R	AMS1117-3.3	1		
84	U10	Quad 2-input positive-AND gates with c	SN74LS09N	1		
85	Y1	SMT Crystal	#NAME?	1		

[illegible]

E26 Edge Connector
S100
DIP8
USB Mini B
LED 5mm THT
LED 5mm THT
LED 5mm THT
HDR1X4H
TO-92A
TO-92A
TO-92A
TO-92A
AXIAL-0.4
AXIAL-0.4
AXIAL-0.4
AXIAL-0.4
AXIAL-0.4
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AXIAL-0.4
AXIAL-0.4
AXIAL-0.4
AXIAL-0.4
SMD_PUSHBUTTON_LCSC
STM-LQFP48_L
DIP16
TO220
DIP16
DIP16
N0014A
TO220
N0014A
TO220
N0014A
ABRACON ABL5