

8051BOARD

8051 PROJECT BOARD V1.0 Revised: Monday, September 25, 2017

Revision: 1

Bill Of Material Page1

Item	Quantity	Reference	Part	Chk
1	1	CN1	MICRO-USB connector	
2	2	C1,C2	30pF ceramic cap	
3	1	C3	10uF 16V electrolytic capacitor	
4	1	C4	10uF 16V	
5	1	C5	10uF electrolytic capacitor	
6	3	C6,C9,C12	100nF	
7	3	C7,C8,C11	0.1uF	
8	1	C10	10uF 16V	
9	1	D1	3mm LED	
10	1	D2	1N5231B 5.1Vz 1/2W zener diode	
11	1	JR1	Header 16-pin	
12	1	J1	CON10AP	
13	1	J2	CON16AP	
14	1	J3	CON6	
15	1	Q1	12MHz xtal	
16	1	R1	Ohms 330 1/8W 5%	
17	1	R2	Ohms 5 1/8W 5%	
18	2	R3,R5	10k 1/8W 5%	
19	1	R4	1k RESISTOR SIP 9	
20	3	R6,R7,R8	Ohms 100 1/8W 5%	
21	4	SW1,SW2,SW3,SW4	12x12 TACT switch	
22	1	S1	6x6 TACT switch RESET	
23	1	TP1	+5V	
24	1	TP2	GND	
25	1	U1	LTC-4727JR	
26	1	U2	SST89E516RD + 40 pins socket	
27	1	U3	MCP3202 12-bit ADC + 8 pins socket	
28	1	U4	CH340G USB-UART chip	
29	1	PCB	Printed Circuit Board	