

BOM (Bill of Material)

for BnW Nixie Clock Soldering Kit v2

#	Part Name	Package	Values	Qty	Marks on PCB	Polarity
1	IC	DIP20	STC12C5628AD	1	MCU	YES
2	IC Socket	DIP20		1		YES
3	Resistor	R-1/8C	24K/20K/15K	6	R1, R2, R3, R4, R5, R6	NO
4	Ceramic Capacitor	C-102L	22pF	2	C15, C18	NO
5	Electrolytic capacitor	C-6.3X8L	220uF/16v	2	C14, C22	YES
6	Electrolytic capacitor	C-8X11L	4.7uF/250v	1	C20	YES
7	Electrolytic capacitor	C-8X11L	470uF/25V	1	C24	YES
8	Diode	DO-41	1N4007	1	D2	YES
9	Transistor	TO-92	A42	2	Q63, Q67	YES
10	MOSFET	TO-220WS	IRF630	1	Q64	YES
11	Inductor	I-10x20	150uH	1	L1	NO
12	DC Socket	DC5.5-2.1-3	DC5.5-2.1-3	1	DC 12V	/
13	GPS Socket	PS2-1	PS/2 Port	1	PS/2 Port	/
14	Crystal	XTAL	22.1184MHz	1	Y2	NO
15	Fuse	3.6x10	250V/1A	1	Fuse	NO
16	Active Buzzer	9mm	5V	1	Buzzer	YES
17	LED	3mm	Ocean blue	12	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12	YES
18	Neon Bulb	3mm		4	DOT1, DOT2, DOT3, DOT4	NO
19	Tactile Switch	6mm x 6mm	L = 17 mm	3	Button 1, Button 2, Button 3	NO
20	LED Plastic Sleeve			4		/
21	Hardware Pack				Screws, Standoffs, Washers	/
22	Tube Socket Pins			78	Gold-Plated, 13 pins per tube, 13x6=78	/
23	PCB			1	Gold-Plated Premium Quality	
24	Nixie Tubes			6		
25	Wood Enclosure			1		
26	Alumimium Backplate			1		
27	DC Power Supply			1		

Not included:

- CR1220 Cell Battery, Qty: 1