

Bill of Material for CD81-6-V3 Nixie Clock

[m] = Means already mounted on PCB ! Every 'blank' PCB has these parts mounted

[o] = Means this parts is optional and only included when you ordered the RTC (real-time-clock) option.

Chk	Used	Part Type	Designator	Description
====	=====	=====	=====	=====
[m]	1	120	R101	SMD RESISTOR 1206
[m]	1	330	R41	SMD RESISTOR 1206
[m]	6	2K7	R7 - R12	SMD RESISTOR 1206
[m]	7	4K7	R1 - R6	SMD RESISTOR 1206
			R43	
[]	4	10K	R103 R104	SMD RESISTOR 1206
			R107 R111	
[]	18	47K	R19 - R24	SMD RESISTOR 1206
			R28 - R39	
[m]	2	100K	R25 R26	SMD RESISTOR 1206
[]	6	470K	R13 - R18	SMD RESISTOR 1206
[m]	1	680K	R42	SMD RESISTOR 1206
[m]	2	33P	C104 C105	SMD CAPACITOR 1206
[m]	5	100N	C4 C101	SMD CAPACITOR 1206
			C102 C107	
			C110	
[m]	1	470P	C3	SMD CAPACITOR 1206
[]	6	MMBTA92	T1 - T6	PNP TRANSISTOR
[]	18	MMBTA42	T7 - T24	NPN TRANSISTOR
[]	1	1N4002	D101	RECTIFIER DIODE
[]	1	BYV27-200	D3	DIODE
[m]	1	IRFR320B	T26	IRFR320B N-CHANNEL MOSFET
[]	1	MC34063A	IC1	DC-DC CONVERTER IC
[]	1	16MHZ	CR101	XTAL
[]	1	78L05	IC102	TO92 REGULATOR 5V
[]	1	2K5	P1	VARIABLE POTENTIOMETER
[]	1	DCJACK	X102	DCJACK PCB MALE 2.5MM
[]	1	JP2	S1	PUSHBUTTON
[]	1	2u2/250V	C2	ELEC CAPACITOR
[]	1	100U/16V	C108	ELEC CAPACITOR
[]	2	100U/35V	C1 C1B	ELCO 100uF/35V DIA 8.2MM HEIGHT 12.2MM
[]	1	330uH	L1	INDUCTOR
[]	2	NEONBULB	NL1 NL2	NEONLAMP
[]	1	PIC16F876	IC101	PIC16F876 programmed V2.x
[]	1	28PIN SOCKET	IC101	28PIN SOCKET
[]	6	CD81	U1 - U6	NOS NIXIE TUBE
[o]	1	DS1302	IC104	RTC CLOCK IC
[o]	1	32.768KHZ	CR102	XTAL WATCH
[o]	1	0.047F/5V	C109	SUPER CAP
[]	6	HEX STUDS 5MM+		
[]	6	HEX STUDS 12MM		
[]	1	DC PLUG		