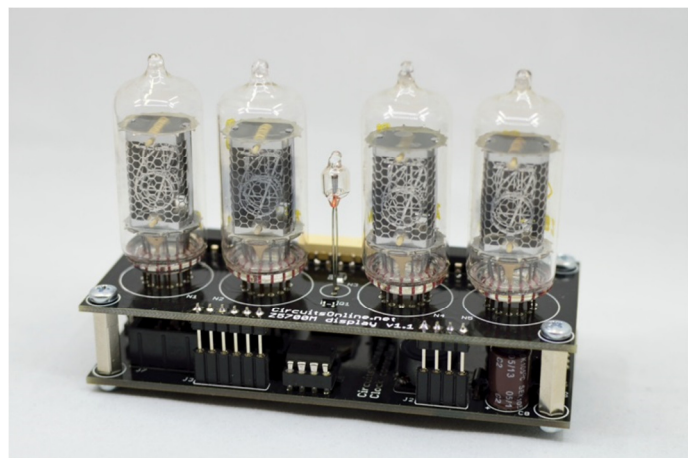


CO nixie clock kit 2016

Controller v2.1

www.circuitsonline.net



Programmed for Z5700M nixie board

Specifications:

- 12VDC 500mA supply
- ATmega8 with software included
- RTC with backup battery
- Schematic included

Part	Value	Package
B1	CR1220	CR1220
C1-C3	100u 25V	E2.5-6
C4	220n	1206
C5, C9-C11, C14-C16, C18	100n	1206
C6	2n2	1206
C7	100p 200V	1206
C8	2u2 200V	E3.5-8
C12, C13, C17	15p	1206
D1	S1A	SMA
D2	UF4004	SOD57
D3, D4	BAT54T1G	SOD123
J1A	Power jack	DCJ0202
J2	supply	1x4 female
J3	display	1x6 female
J7	ICSP	2x3 boxed
L1	150u	SLF
L2	10u	1206
Q1	STP11NK40Z	TO220
R1	1k	1206
R2, R7-R9	10k	1206
R3	56k	1206
R4	33k	1206
R5	330k	1206
R6	4k7	1206
S1-S3	Tactile	6mm angled
U1	LM7805	TO220
U2	NE555P	DIL-8
U3	TL431CLP	TO92
U4	ATmega8-16PU	DIL-28P3 (socket)
U5	PCF8583P	DIL-8 (socket)
X2	32k768	TC26

SMD parts coding

Part	Value	Coding
C4	220n	black
C5, C9-C11, C14-C16, C18	100n	only strip of 8
C6	2n2	green
C7	100p 200V	blue
C12, C13, C17	15p	only strip of 3
L2	10u	red
R1	1k	1001
R2, R7-R9	10k	1002
R3	56k	5602
R4	33k	3302
R5	330k	3303
R6	4k7	472

