









Designator	Value	Symbol	Quantity	Comment
Y1	32.768KHZ	-	1	
Y0	8Mhz	-	1	
X6-X9	nixie IN-3	-	4	or similar, can be modern neon
X0-X5	nixie IN-12B	-	6	
VR0	LM7805	-	1	or similar 5V 1A linear stabilizer
U3	K155NA1/SN74141N	-	1	available on eBay
U2	NE555P	-	1	
U1	DS1307	-	1	
U0	ATmega8A-PU	-	1	included with PCB
SW0-SW2	6mm switch	-	3	angular
R64-R69	15k		6	
R60-R63, R20	220k		5	
R42-R59	220 SMD 0805	220	18	pre-soldered, value for 3000mcd LEDs
R35-R41	100k		7	
R28-R34	470k		7	
R18, R21-R27	33k		8	
R4-R6, R19	470		4	
R1-R3, R15-R17	1k		6	
R0, R8-R14	10k		8	
Q14-Q20	MPSA92	-	7	or other PNP -300V -0.5A
Q7-Q13	MPSA42	-	7	or other NPN 300V 0.5A
Q6	BC547BG	-	1	
Q5	IRF730	-	1	or other N-channel mosfet 2A
Q4	2N2907A	-	1	
Q1-Q3	2N3904TF	-	3	
P0	1k potentiometer	-	1	
L0	100uH	-	1	
J0	2.1/5.5mm 9v DC	-	1	
D3-D8	LED 5mm RGB c. cathode	-	6	recommended min 3000mcd
D1	UF4007	-	1	super-fast <75ns 400V 1A
D0, D2	1N4007	-	2	Rectifier diode 400V 1A
C16	2.2uF 400v	-	1	
C15	47pF	47	1	
C14	470uF	-	1	
C13	2.2nF	222	1	
C7-C8	22pF	22	2	
C2, C4-C6, C12	100nF	104	5	
C0, C1, C3	100uF	-	3	
BT0	coincell CR2032 holder	-	1	
B0	Buzzer Piezo 5v	-	1	with generator
Connector	M20 Vertical Pin Header	-	21	
Socket	Nixie pins	-	72	available on eBay

Nixie pins can be skipped if you don't mount backlight LEDs