

Designator	Value	Package	Quantity	Comment
Y0	32.768kHz	THT	1	
X6, X7	IN-3	Nixie	2	or similar, can be modern neon
X0-X5	IN-14	Nixie	6	
VR0	(78M05)L7805ACD2T	D2PAK	1	or other 5V 1A linear stabilizer
U3	SN74141N / K155ID1	THT	1	can be found on eBay
U2	NE555P	S08	1	
U1	DS1307Z+	S08	1	
U0	ATmega8A-AU	TQFP32	1	pre-soldered
SW0-SW2	6mm switch	THT	3	angular
R7-R9, R15, R16	1k	0805	5	
R64	220k	1206	1	
R46-R63	220	0805	18	
R40-R45	12k	1206	6	can be 10-20k
R26-R32, R65, R66	470k	1206	11	
R19-R25	100k	1206	7	
R17, R33-R39	33k	0805	8	
R14	1k	THT	1	
R10-R13	470	0805	4	
R0-R6, R18	10k	0805	8	
Q5-Q11	MMBTA92	SOT23	7	or other PNP -300V -0.5A
Q4	MMBT2907	SOT23	1	or other PNP -600mA
Q19	IRFR310TRPBF	DPAK	1	or other N-channel mosfet 2A
Q12-Q18	MMBTA42	SOT23	7	or other NPN 300V 0.5A
Q0-Q3	MMBT2222A	SOT23	4	or other NPN 600mA
P0	1k potentiometer	THT	1	angular
L0	100uH	SMD	1	THT equivalent fits as well
J0	2.1/5.5mm 9v DC	THT	1	
D2-D7	LED RGB common cathode	5050	6	recommended min 3000mcd
D1	UF4007	THT	1	super-fast <75ns 400V 1A
D0	M7	DO214AC	1	Rectifier diode 400V 1A
C9, C12	2.2uF 400V	THT	2	max h=10mm
C8	2.2nF 50V	0805	1	
C5-C7	100uF 16V	type D	3	
C11	470uF 16V	type E	1	
C10	47pF	THT	1	
C0-C4	100nF 50V 0805	0805	5	
BT0	coincell CR2032 holder	THT	1	
B0	Buzzer piezo 5v	THT	1	with generator
Connector	M20 female	THT	21	normal 2.54mm raster
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