

Nixie Clock Development Board V1.3B		
Part's List		
Part	Quantity	Reference
<b>Resistors 1/4W</b>		
220	5	R10,R13,R24,R25,R26
470	1	R6
1K	1	R17
2.2K	2	R31,R32
4.7K	8	R8,R9,R20,R21,R22, R23, R27,R30
5.6K	1	R12
10K	6	R33,R34,R35,R40, R41,R42
22K	10	R2,R3,R4,R5,R14,R29, R36, R37,R38,R39
47K	4	R7,R11,R15,R19
100K	1	R28
910K	1	R16
<b>Capacitors</b>		
22pF	2	C11,C17
10nF	1	C8
330nF	6	C3,C7,C10,C12,C15, C16
1uF	5	C1,C2,C4,C5,C6
1uF X 250V	1	C9
10uF	1	C14
470uF	1	C13
<b>Diodes</b>		
1N4007	1	D1
UF4007	1	D3
1N4148	1	D5
12V Zener/0.4W	1	D2
LED RL11022S	1	D4
<b>Transistors</b>		
MPSA42	1	Q5
IRF640	1	M1
2SA1266	2	Q1,Q2
2N2222	2	Q3,Q4
<b>Integrated Circuits</b>		
KM155ID1	6	U9,U10,U11,U12, U13,U14
MAX232	1	U1
TL494	1	U7
PIC16F877	1	U8
DS1307	1	U4
DS1820	1	U5
CD4050	1	U2
CD4053	1	U3
LM7805	1	U6

Connectors		
B2S Connector	3	J5,J6,J7
Batt. Holder CR2032	1	V1
CON40 Plug	2	J8,J9
Connector DB9	1	J3
Connector DB25	1	J4
DIP-40 IC Holder	1	U8
Fuse Holder	2	F1
PS/2 Connector	1	J2
PWR Connector 5.5mm	1	J1
DIP-16 IC Holder	6	U9,U10,U11,U12, U13,U14
<b>Other Parts</b>		
3V Lithium Battery	1	V1
Buzzer HCM-1206A	1	B1
Crystal 20 MHz	1	Y1
Crystal 32.768 KHz, (10ppm; MFG: Jauch)	1	Y2
Fuse 0.8A	1	F1
Inductor 270uH	1	L1
Photo Resistor MPY7P	1	R18
Potentiometer 22K	1	R1
SW Pushbutton	3	SW1,SW2,SW3
Main PCB	1	-
Screw M3	2	M1, U6
Nut M3	2	M1, U6

IN-8-2 Tube's Board		
Part's list		
Part	Quantity	Reference
<b>Connectors</b>		
CON40 Receptacle	2	J1,J2
IH-8-2 Nixie Tube	6	T1,T2,T3,T4, T5,T6
Tube's PCB	1	-