

	BOM PCB_Nixie_Clock_MCU_NCM107.PrjPcb]		Bill of Materials Creation Date:	18.11.2016
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	Designator	Quantity	Comment	Footprint
1	B1	1	Buzzer HCS0903G	BUZZER_8585_SMD
2	BT1	1	Bat_Holder_CR1220	CR1220_Bat_Holder
3	C2, C3, C26, C27, 'C12, C16, C18, C20, C21, C22, C23, C29	12	100nF 0805	C_0805
4	C4	1	220uF 16V SMD 6.3x7.7mm	CAP_SMD_6M3x7M7
5	C5, C9, C11, C14	4	10uF 16V 0805	C_0805
6	C6	1	10uF 250V TH & SMD D10mm	CAP_TH_SMD_10mm
7	C7, C28	2	100nF 250V 1206	C_1206
8	C10	1	10nF 50V 0805	C_0805
9	C13	1	1000uF 16V TH & SMD D10mm	CAP_TH_SMD_10mm
10	C15, C17, C19	3	10uF 16V Size-A (SMD3216)	CPM3216
11	C24, C25	2	22pF 50V 0805	C_0805
12	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D21, D22, D23, D24, D25, D26, D27, D28, D29	20	BAV103	SOD80/MLL34
13	D12	1	ZM4764A	DO-213AB
14	D13	1	Red	LED1206
15	D14	1	ES2F	DO-214AA (SMB)
16	D15, D19	2	DS_SS16	DO-214AA (SMB)
17	D16	1	SMAJ18CA	DO-213AC (SMA)
18	D17	1	SMBJ220CA	DO-214AA (SMB)
19	D20	4	DL4448	SOD80/MLL34
20	DOWN, MODE, UP	3	Button_SWT-3	SWT-3_6mm
21	ExDOWN, ExMODE, ExUp, ExPow	4	PH2.0-2p	PH2-2p
22	ExUSB	1	PH2.0-4p	PH2-4p
23	F1	1	3A 35V	R_1206
24	J1	1	PWR_DJK-02A	KLD-0202_NOM
25	J2	1	MUSB	UX60-MB
26	L1	1	220uH 1.45A	CDRH127_RCR1616
27	L2	1	15-22uH 2A	CDRH104R_10x10mm
28	MAIN	1	PBD-38	PBD-38-3D
29	Q1	1	STD18N55M5	DPAK
30	R1, R2, R3, R4, R5, R8, R29, R31, R33, R34, R35	11	1k 0805	R_0805
31	R6, R7, R19, R20	4	300k 0805	R_0805
32	R9	1	1.5 MOhm 0805	R_0805
33	R10	1	1 Ohm	R_1206
34	R11	1	150k 0805	R_0805
35	R12, R14, R15, R16, R18, R26, R27, R30	8	10k 0805	R_0805
36	R13	4	40K_Opt 0805	R_0805
37	R17	1	10k	3296W
38	R21	1	0.1 Ohm 2512	R2512
39	R22	1	95.3k 0805	R_0805
40	R23	1	18.2k 0805	R_0805
41	R24, R25	2	27 Ohm 0805	R_0805
42	T1, T3, T5	3	PMBTA92	SOT23-3N
43	T2, T4, T6, T7, T8	5	PMBTA42	SOT23-3N
44	TLI	1	PH2.0-3p	PH2-3p
45	U1	1	HV5812WG	SOIC-28W
46	U4	1	MAX1771	SO-8_MAX
47	U5	1	RT8258_LMR12010	SOT23-6
48	U6	1	DS3231S	SOIC-16W
49	U7	1	FT230XS	SSOP-16_N
50	U8	1	ATmega328P-PU	DIP-28
51	U9	1	ULN2003D	SO16_N

52	Z1	1	Quartz_SMD_6x3m5	QZ_SMD_6x3m5
53	Разъем цанговый 28	1		
54	Батарейка CR1220	1		
55	PCB MCU Manufacture	1		

	Approved			
1	Стойки 5мм ВН	4		
2	Стойки 18мм ВВ	4		
3	Стойки 25мм ВВ	2		
4	Винты М3*6мм	6		
5	PLD-40	1		
6	LED RGB	8		
7	PCB TUBES Manufacture	1		

1	Лампы	6		
2	Пайка MCU	1		
3	Пайка Tube	1		