C102 C103 C101

C104 P101 U101 D101

C301 U301 R301

DCF Module

R504

R503
S503

R502

R501

S501

S502

S504

C502

C501

C504

C503

BT1

3U 2032

T401 U401 R401 R402

C201 ICSP R201

C402 C401

DS4 DS3 DS2 DS1 U7 C2 R6

T4

IV-9

T4

U6 C3 R5

C7

U2

IV-9

T3

C8

T3

U5 C4 R4

T2

IV-9

T2

U4 C5 R2

T1

IV-9

T1

U3 C6 R1

Bill of Materials

<Parameter Title not found>

Source Data From:	**NumitronUhr.PrjPcb**
Project:	**NumitronUhr.PrjPcb**
Variant:	**None**

Creation Date:	31.05.2011	18:39:55
Print Date:	40694	40694,77782

Footprint	Comment	LibRef	Designator	Description	Quantity
2032HOLDER	Battery	Battery	BT1	Multicell Battery	1
CAPC3216L	Cap Semi	Cap Semi	C2, C3, C4, C5, C6, C7, C8, C102, C103, C201, C501, C502, C503, C504	Capacitor (Semiconductor SIM Model)	14
CAPPR5-5x5	Cap Pol1	Cap Pol1	C101	Polarized Capacitor (Radial)	1
RB7.6-15	Cap Pol1	Cap Pol1	C104	Polarized Capacitor (Radial)	1
RCL 0805	Cap	Cap	C301, C401, C402	Capacitor	3
DIO10.46-5.3x2.8	Diode 1N4004	Diode 1N4004	D101	1 Amp General Purpose Rectifier	1
PIN2	Lamp	Lamp	DS1, DS2, DS3, DS4	Incandescent Bulb	4
MOLEX 22-23-2061	Header 6	Header 6	ICSP	Header, 6-Pin	1
KLD-0202	PWR2.5	PWR2.5	P101	Low Voltage Power Supply Connector	1
DIP16	Res Pack3	Res Pack3	R1, R2, R4, R5, R6	Isolated Resistor Network	5
RESC1608L	Res3	Res3	R201, R501, R502, R503, R504	Resistor	5
RCL 0805	Res Semi	Res Semi	R301, R401, R402	Semiconductor Resistor	3
SPST-2	SW-PB	SW-PB	S501, S502	Switch	2
TL36WW15050	SW-SPDT	SW-SPDT	S503, S504	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	2
IV-9	IV-9	IV-9	T1, T2, T3, T4		4
TEST POINT 1	TESTPOINT	TESTPOINT	T401		1
PDIP300-P20	PIC18F14K50-I/P	PIC18F14K50-I/P	U2	USB Flash Microcontroller with nanoWatt XLP Technology, 20-pin PDIP, Industrial Temperature	1
DIP16	TPIC6C596	TPIC6C596	U3, U4, U5, U6, U7		5
TO220ABN	L7805ABV	L7805ABV	U101	Precision 1A Regulator	1
DCF MODUL REICHELT	DCF Module Reichelt	DCF Module Reichelt	U301		1
WSO16_M	DS3231	DS3231	U401	Extremely Accurate I²C-Integrated RTC/TCXO/Crystal	1
					58

Approved	**Notes**	