BoM, for kit building assembly

ref	value	Vendor	Vendor P/N	NOTE 2	QTY
BT1	BATT_RTC	DigiKey	BHX1-1632-SM-ND	SMD Battery socket for CR1632	1
*	CR1632	DigiKey	P036-ND	Battery, CR1632	1
C1	100n	DigiKey	490-1734-1-ND	Decoupling Capacitor	1
C2	1u	DigiKey	445-1589-1-ND	Non-electrolytic (Ceramic)	1
C3	2u2	DigiKey	493-2331-1-ND	Tantalum, Polarized, 10V	1
C4	100n	DigiKey	490-1734-1-ND	Decoupling Capacitor	1
C5	1u	DigiKey	445-1589-1-ND	Non-electrolytic (Ceramic)	1
C6	47u	DigiKey	PCE3875CT-ND	Electrolytic, SMD	1
C7	100n	DigiKey	490-1734-1-ND	Decoupling Capacitor	1
C8	100n	DigiKey	490-1734-1-ND	Decoupling Capacitor	1
C9	100n	DigiKey	490-1734-1-ND	Decoupling Capacitor	1
C10	22p	DigiKey	709-1172-1-ND		1
C11	22p	DigiKey	709-1172-1-ND		1
D1	LED	DigiKey	475-2730-1-ND	LED, Green, 2mA current	1
D2	LED	DigiKey	475-2730-1-ND	LED, Green, 2mA current	1
D3	RB886GT2R	DigiKey	RB886GT2RCT-ND	Schottky Diode, Vf=0.35V	1
D4	RB886GT2R	DigiKey	RB886GT2RCT-ND	Schottky Diode, Vf=0.35V	1
IC1	ATMEGA328	DigiKey	ATMEGA328P-15AZCT-ND	Micro-controller	1
PCB1	PCB	seeed	PCB, 2.5" x 1.2"	PCB	1
R1	10k	DigiKey	RR12P10.0KDCT-ND		1
R2	10k	DigiKey	RR12P10.0KDCT-ND		1
R3	10k	DigiKey	RR12P10.0KDCT-ND		1
R4	10k	DigiKey	RR12P10.0KDCT-ND		1
R5	1k5	DigiKey	RR12P1.5KDCT-ND		1
R6	10k	DigiKey	RR12P10.0KDCT-ND		1
R7	10k	DigiKey	RR12P10.0KDCT-ND		1
R8	1k5	DigiKey	RR12P1.5KDCT-ND		1
R9	10k	DigiKey	RR12P10.0KDCT-ND		1
SD1	SD_CARD_MICRO	DigiKey	101-00434-68-1-ND	CONN SIM+MICRO-SD 14PIN PCB GOLD	1
SW1	SW_PUSH	DigiKey	P12301SCT-ND	Reset Switch	1
U1	3V3	DigiKey	MCP1700T3302ETTCT-ND	3.3V Regulator, MCP1700T-3302E/TT	1
U2	74HC125	DigiKey	MC74HC125ADGOS-ND	Alternative P/N – 296-1192-1-ND	1

U3	5V0	DigiKey	576-2770-1-ND	5.0V Regulator, MIC5219-5.0BM5	1
U4	DS3231N	DigiKey	DS3231S#-ND	RTC	1
X1	CRYSTAL_2	DigiKey	478-6622-1-ND	16MHz Crystal, SMD	1
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NOT USED COMPONENTS

B1	I/O			break out pads	1
B2	I/O			break out pads	1
B3	I/O			break out pads	1
B4	I/O			break out pads	1
B5	I/O			break out pads	1
B6	I/O			break out pads	1
B7	I/O			break out pads	1
B8	I/O			break out pads	1
B9	I/O			break out pads	1
B10	I/O			break out pads	1
B11	I/O			break out pads	1
B12	I/O			break out pads	1
B13	I/O			break out pads	1
B14	I/O			break out pads	1
B15	I/O			break out pads	1
B16	I/O			break out pads	1
B17	I/O			break out pads	1
B18	I/O			break out pads	1
B19	I/O			break out pads	1
P1	I/O			break out pads	1
P3	BootDrive	DigiKey	475-2555-1-ND	Header for BootDrive	1
P4	CONN_6	DigiKey	475-2555-1-ND	Buckler Interface	1
P5	CONN_6	DigiKey	475-2555-1-ND	Buckler Interface	1
P6	CONN_2	DigiKey	475-2555-1-ND	Ext. 9V Battery	1
P7	GPS_UP501	DigiKey	475-2555-1-ND	GPS Header	1
P8	FTDI	DigiKey	475-2555-1-ND	FTDI <>USB Interface	1
P9	ISP	DigiKey	609-3456-ND	ISP Programming Interface	1
P10	CD2	DigiKey	S5635-ND	ChronoDot/rtcBoB connections	1
P11	CD2	DigiKey	S5635-ND	either P10+P12 or P11+P13	1

P12	CD1	DigiKey	S5635-ND	1
P13	CD1	DigiKey	S5635-ND	1
SC1	SCREW		Mounting Hole	1

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MISC. COMPONENTS

SD_CARD	http://www.te.com/catalog/bin/TE.Connect?C=1&M=BYPN&TCPN=2041021-3&
35R2925	http://www.newark.com/te-connectivity/2041021-3/memory-card-connector-s
A101492CT-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=A101492C

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