

Sheet1

Id	Designator	Package	Qty	Designation	Supplier Ref	NOTE	Link
1	B1,B2,B3,B4,B5,B6,B7,B	I/O	14	I/O		break out pads	
2	B10,B11,B16,B17	I/O_ADR	4	I/O		break out pads	
3	BT1	CR1632	1	BATT_RTC	BHX1-1632-SM-ND	SMD Battery socket for CR2032	http://search.digikey.c
4	C1,C4,C7,C8,C9	c_0805	5	100n	490-1734-1-ND	C7 not used (Reset Cap On FTDI)	http://search.digikey.c
5	C2,C5	c_0805	2	1u	445-1589-1-ND	Non-electrolytic (Ceramic)	http://search.digikey.c
6	C3	c_0805	1	2u2_Tant	493-2331-1-ND	Tantalum, Polarized, 10V	http://search.digikey.c
7	C6	C_ELCO_SMD	1	47u,10V	PCE3875CT-ND	Electrolytic, SMD	http://search.digikey.c
8	C10,C11	c_0805	2	22pF	709-1172-1-ND		http://search.digikey.c
9	D1,D2	d_0805	2	LED	475-2555-1-ND	Just 2mA current, see R5 and R8	http://search.digikey.c
10	IC1	TQFP32	1	ATMEGA8-AI	ATMEGA8A-AU-ND	Micro-controller	http://search.digikey.c
11	P2	PIN_ARRAY_4x1	1	COMM_R	609-3465-ND	C3SB terminations	http://search.digikey.c
12	P4,P5	PIN_ARRAY-6X1	2	CONN_6	609-3465-ND	Buckler Interface	http://search.digikey.c
13	P6	pin_strip_2	1	CONN_2	609-3465-ND	Ext. 9V Battery	http://search.digikey.c
14	P8	pin_strip_6-90	1	FTDI	609-2226-ND	FTDI<->USB	http://search.digikey.c
15	P9	ISP	1	ISP	609-3456-ND	ISP Programming Interface	http://search.digikey.c
16	P10,P11	Sck-04-F-SMT	2	CD2	S5635-ND	ChronoDot/rtcBoB compatible connections	http://search.digikey.c
17	P12,P13	Sck-04-F-SMT	2	CD1		either P10+P12 or P11+P13	--
18	PCB1	PCB	1	PCB		dorkbotpdx	
19	R1,R2,R3,R4,R6,R7	r_0805	6	10k	RR12P10.0KDCT-ND	SMD Resistors	http://search.digikey.c

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20	R5,R8	r_0805	2	470E	RR12P1.5KDCT-ND	use 1k5 instead of 470E - SMD LED=2mA, 1.8V (D1,D2)	http://search.digikey.c
21	SC1,SC2	vite_3mm	2	SCREW	--	Mounting holes – C3/C3Jr compatible	--
22	SD1	Memory_Card_uSD	1	SD_CARD	101-00434-68-1-ND	CONN SIM+MICRO-SD 14PIN PCB GOLD	http://search.digikey.c
23	SW1	Switch_Push_SPST	1	SW_PUSH	P12301SCT-ND	Reset SW	http://search.digikey.c
24	U1	SOT23-3	1	MCP1700T-3302E/TT	MCP1700T3302ETTCT-ND	3.3V Regulator	http://search.digikey.c
25	U2	SO14E	1	74HC125	MC74HC125ADGOS-ND	296-1192-1-ND – alternative	http://search.digikey.c
26	U3	SOT23-5	1	MIC5219-5.0BM5	576-2770-1-ND	5.0V Regulator	http://search.digikey.c
27	U4	DS3231	1	DS3231N	DS3231S#-ND	RTC	http://search.digikey.c
28	X1	XTAL	1	CRYSTAL	478-6622-1-ND	16MHz Crystal, SMD	http://search.digikey.c
						(for component purchase qty of 10 nos)	TOTAL

SD_CARD	2041021-3	Tyco-TE Connectivity – Mfg. Data	http://www.te.com/cal
	35R2925	Newark element 14 online	http://www.newark.co
	A101492CT-ND	Digikey	http://search.digikey.c

Unit Cost	Total
\$0.00	\$0.00
\$0.00	\$0.00
\$0.41	\$0.41
\$0.12	\$0.59
\$0.13	\$0.25
\$0.37	\$0.37
\$0.43	\$0.43
\$0.04	\$0.09
\$0.14	\$0.27
\$3.21	\$3.21
\$0.41	\$0.41
\$0.00	\$0.00
\$0.00	\$0.00
\$0.32	\$0.32
\$0.37	\$0.37
\$0.67	\$1.34
\$0.00	\$0.00
\$14.40	\$14.40
\$0.15	\$0.89

half a stick of 36 way Bergtik for P2, P4, P5, P6

one sixth of a 36 way BergStik, 90 deg.

one fifth of a 30 way BergStik, 90 deg. , 2 row

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\$0.15	\$0.30
\$0.00	\$0.00
\$2.23	\$2.23
\$0.72	\$0.72
\$0.37	\$0.37
\$0.44	\$0.44
\$1.43	\$1.43
\$8.82	\$8.82
\$1.07	\$1.07
\$36.37	\$38.70

\$0.00	\$0.00
\$0.00	\$0.00
\$0.00	\$0.00