

BoM_I2SD

Id	Designator	Package	Qty	Designation	Supplier Ref	NOTE	Link	Cost
1	B1 to B14	I/O	14	I/O	--	break out pads	--	\$0.00
2	BT1	CR2032-BU2032SM-HD-GCT-ND	1	CR2032	BU2032SM-HD-GCT-ND	SMD Battery socket for CR2032	http://search	\$0.66
3	C1,C4,C7,C8,C9	c_0805	5	100n	490-1734-1-ND	C7 not used (Reset Cap On FTDI)	http://search	\$0.59
4	C2,C5	c_0805	2	1u	445-1589-1-ND	Non-electrolytic (Ceramic)	http://search	\$0.25
5	C3	C1	1	2u2, 10V Tantalum	399-3611-ND		http://search	\$0.67
6	C6	C_ELCO_SMD	1	47u, 10V Electrolytic	PCE3875CT-ND	Electrolytic, SMD	http://search	\$0.43
7	D1,D2	d_0805	2	LED, SMD, any color	475-2555-1-ND	Just 2mA current, see R5 and R8	http://search	\$0.27
8	IC1	TQFP32	1	ATMEGA8-AI	ATMEGA8A-AU-ND	Micro-controller	http://search	\$3.21
9	P1	I/O	1	I/O	--	break out pads	--	\$0.00
11	P2	PIN_ARRAY_4x1	1	COMM_R	609-3465-ND	C3SB terminations	http://search	\$0.13
12	P3	PIN_ARRAY_4x1	1	COMM_L	609-3465-ND	C3SB terminations	http://search	\$0.13
13	P4,P5	PIN_ARRAY_6x1	2	CONN_6	609-3465-ND	Buckler Interface	http://search	\$0.39
14	P6	pin_strip_2	1	CONN_2	609-3465-ND	Ext. 9V Battery	http://search	\$0.06
15	P8	pin_strip_6-90	1	FTDI	609-2226-ND	FTDI<->USB	http://search	\$0.36
16	P9	ISP	1	ISP	609-3456-ND	ISP Programming Interface	http://search	\$0.36
17	P10,P11	Sck-04-F-SMT	2	CD1	S5635-ND	ChronoDot/rtcBoB compatible connections	http://search	\$1.62
	P12,P13		2	CD2		either P10+P12 or P11+P13	--	
18	R1,R2,R3,R4,R6,R7	r_0805	6	10k	RR12P10.0KDCT-ND	SMD Resistors	http://search	\$0.89
19	R5,R8	r_0805	2	1k5	RR12P1.5KDCT-ND	use 1k5 instead of 470E - SMD LED=2mA, 1.8V (D1,D2)	http://search	\$0.30
20	SC1,SC2	vite_3mm	2	SCREW	--	Mounting holes - C3/C3Jr compatible	--	\$0.00
21	SD1	Memory_Card_SD_Tyco	1	SD_CARD	2041021-3	Tyco-TE Connectivity - Mfg. Data	http://www.t	\$0.00
			1		35R2925	Newark element 14 online	http://www.i	\$1.99
			1		A101492CT-ND	Digikey	http://search	\$0.00
22	SW1	Switch_Push_SPST	1	SW_PUSH	CKN9102-ND	Reset SW	http://search	\$0.75
23	U1	SOT23-3	1	MCP1700T-3302E/TT	MCP1700T3302ETTTR-ND	3.3V Regulator	http://search	\$0.28
24	U2	SO14E	1	74HC125	MC74HC125ADGOS-ND	296-1192-1-ND - alternative	http://search	\$0.44
25	U3	SOT23-5	1	MIC5219-5.0BM5	576-2770-1-ND	5.0V Regulator	http://search	\$1.43
26	U4	DS3231	1	DS3231N	DS3231S#-ND	RTC	http://search	\$8.82
27	X1	XTAL	1	CRYSTAL	X908-ND	16MHz Resonator, with built in capacitor	http://search	\$0.70

TOTAL \$24.72