



avrsimon

Bill-of-Materials

Document Version 1.0, October 4, 2009

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	BT1	Memory Protection Devices	BU2032SM-HD-G	Digi-Key	BU2032SM-HD-GCT-ND	Battery holder, CR2032 Lithium coin cell, SMT
2	1	C1	BC Components	A104K15X7RF5TAA	Digi-Key	1109PHCT-ND	0.1uF, 50V 10% bypass capacitor ceramic axial, X7R
3	1	D1	Lite-On Trading	LTL-307E	Digi-Key	160-1705-ND	5mm LED, Red High-Efficiency diffused, 19mcd, 2.0V
4	1	D2	Lumex	SSL-LX5093USBD	Digi-Key	67-1751-ND	5mm LED, Blue diffused, 300mcd, 3.5V
5	1	D3	Lite-On Trading	LTL-307G	Digi-Key	160-1706-ND	5mm LED, Green diffused, 19mcd, 2.1V
6	1	D4	Lite-On Trading	LTL-307Y	Digi-Key	160-1703-ND	5mm LED, Yellow diffused, 29mcd, 2.1V
7	1	LS1	Murata	PKM17EPPH4001-B0	Digi-Key	490-4694-ND	Piezoelectric Buzzer, 72dB @ 25Vpp, 4kHz, PCB mount
8	1	P1 (optional)	3M	961206-6404-AR	Digi-Key	3M9459-ND	Header, 3x2 vertical, male, PCB mount
9	1	R1	Yageo	CFR-25JB-1K0	Digi-Key	1.0KQBK-ND	1.0k ohm, 5%, 1/4W
10	1	R2	Yageo	CFR-25JB-3K3	Digi-Key	3.3KQBK-ND	3.3k ohm, 5%, 1/4W
11	3	R3,R4,R6	Yageo	CFR-25JB-330R	Digi-Key	330QBK-ND	330 ohm, 5%, 1/4W
12	1	R5	Yageo	CFR-25JB-10K	Digi-Key	10KQBK-ND	10k ohm, 5%, 1/4W
13	4	SW1,SW2,SW3,SW4	ALPS	SKHHAJA010	Mouser Electronics	688-SKHHAJ	SPST momentary pushbutton switch, 100gf, PCB mount
14	1	SW5	E-Switch	EG1271	Digi-Key	EG1918-ND	SPDT slide switch, 300mA, PCB mount, L = 2mm
15	1	U1	Atmel	ATTINY2313V-10PU	Mouser Electronics	556-ATTINY2313V10PU	AVR Microcontroller, DIP20
16	1	U1b (optional)	3M	4820-3000-CP	Digi-Key	3M5465-ND	Socket, DIP20
17	1	PCB	Any	avrsimon	Parallax	N/A	PCB