



Build Your Own Electronic Game Kit
Bill-of-Materials
Document Version 1.0, February 23, 2006

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	BT1	Memory Protection Devices	BH2/3A-3	Digi-Key	BH2/3A-3-ND	Battery holder, 2/3A cell, PCB mount
1a	1	N/A	Panasonic	CR-123APA/B	Digi-Key	P151-ND	CR123A Lithium 3V Camera Battery (2/3A cell)
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	LTL2R3KG	Digi-Key	160-1684-ND	5mm LED, Green diffused, 150mcd, 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	Panasonic	EFB-AA40D102	Digi-Key	P9957-ND	Piezoelectric Ceramic Buzzer, 86dB @ 15Vpp, PCB mount
8	2	R1,R3	Yageo	CFR-25JB-1K0	Digi-Key	1.0KQBK-ND	1.0k ohm, 5%, 1/4W
9	2	R2,R5	Yageo	CFR-25JB-3K3	Digi-Key	3.3KQBK-ND	3.3k ohm, 5%, 1/4W
10	2	R4,R6	Yageo	CFR-25JB-330R	Digi-Key	330QBK-ND	330 ohm, 5%, 1/4W
11	4	SW1,SW2,SW3,SW4	ALPS	SKHHAJA010	Mouser Electronics	688-SKHHAJ	SPST momentary pushbutton switch, 100gf, PCB mount
12	1	SW5	E-Switch	EG1271	Digi-Key	EG1918-ND	SPDT slide switch, 300mA, PCB mount, L = 2mm
13	1	U1	Microchip	PIC16LF648A-I/P	Mouser Electronics	579-PIC16LF648A-I/P	PIC Microcontroller, LF, DIP18
14	1	PCB	Advanced Circuits	MAKE 1.0	N/A	N/A	PCB