

PROTEX-9000 PARTS LIST						
ITEM #	QUANTITY	PART	MANUFACTURER	MANUFACTURER PN	SUPPLIER	COST
1	1	materials, wire wrap board, etc	NA	NA	MISC	\$ 92.94
2	1	dev kit	SI Labs	C8051F020DK	SI Labs	\$ 79.00
3	1	Micro Controller w/ break out	SI Labs	C8051F022	SI Labs	\$ 60.00
4	1	CPLD w/socket	Lattice	ispm4A5	SPSU ARC	\$ 30.00
5	1	Accelerometer w/ brk out	Analog Devices	ADXL213	SPARKSFUN	\$ 27.00
6	1	LCD	Optrex	C-51847NFJ-SLW	Mouser	\$ 26.00
7	5	SPDT toggle switches	Radio Shack	SWTS-2	Radio Shack	\$ 17.45
8	3	SWPR-5 push button (mom.)	Radio Shack	SWPR-5	Radio Shack	\$ 10.47
9	3	component carrier 24pin	Aries	24-600-10	Mouser	\$ 10.38
10	1	key pad	Jameco-value pro	AK-1607-N-BBW-R	Jameco	\$ 9.95
11	1	Siren board	Ramsey	MB1	Frys	\$ 9.95
12	3	20 pin wire wrap socket	3M	20PINWWS	DII kit	\$ 9.27
13	2	28 pin wire wrap socket (wide)	3M	28PINWWS	DII kit	\$ 7.80
14	1	key pad encoder	Fairchild	MM74C922	PI	\$ 6.15
15	1	opto isolator	Claire	OAA160	PI	\$ 5.82
16	1	RS-232 line driver	Sipex	SP232AET	PI	\$ 4.92
17	4	4.7K Ω +/-5% resistor	NA	NA	DII kit	\$ 4.44
18	2	pin headers	3M	929834-07-36	Mouser	\$ 4.26
19	1	1 MHz crystal oscill	ECS	ECS-2100AX-1.0MHZ	Mouser	\$ 4.22
20	1	28 pin cap socket	Augat	DS2-328-1AR	PI	\$ 4.19
21	1	24 pin cap socket	Augat	DS2-324-1AR	PI	\$ 3.98
22	4	binding posts	Pomona	885-0254	Allied Electron.	\$ 3.84
23	2	20 pin cap socket	Augat	DS2-320-1AR	PI	\$ 3.83
24	1	ADC	National Semiconductor	ADC0808	PI	\$ 3.60
25	1	18 pin cap socket	Augat	DS2-316-1AR	PI	\$ 3.53
26	1	24 pin wire wrap socket	3M	24PINWWS	DII kit	\$ 3.49
27	2	Red LED	King bright	T-1R	DII kit	\$ 2.98
28	2	Green LED	King bright	T-1G	DII kit	\$ 2.98
29	2	Bright yellow	King bright	604-WP7113SYC	Mouser	\$ 2.92
30	1	SPLD	Lattice	GAL22V10	DII kit	\$ 2.87
31	1	Transparent Latch	Fairchild	DM74LS373	PI	\$ 2.83
32	1	Pink LED	Radio Shack	276-0019	Radio Shack	\$ 2.83
33	1	18 pin wire wrap socket	3M	18PINWWS	DII kit	\$ 2.48
34	2	8 pin wire wrap socket	3M	8PINWWS	DII kit	\$ 2.28
35	9	470 Ω +/- 5% resistor	NA	NA	DII kit	\$ 2.22
36	1	Seven seg display	King bright	MAN72A	DII kit	\$ 1.99
37	1	BCD to 7-SEG	Texas Instruments	74LS47	DII kit	\$ 1.68
38	1	Blue LED	King bright	604-WP7113QBC/D	Mouser	\$ 1.62
39	1	Yellow LED	King bright	T-1Y	DII kit	\$ 1.49
40	1	14.7456 MHz crystal oscill	Fox	FOXLF147-20	Mouser	\$ 1.41
41	1	SRAM 2016-12	Toshiba	TMM 2016AP-10	Jameco	\$ 1.25
42	2	Timer	National Semiconductor	LM555	DII kit	\$ 0.84
TOTAL						\$ 481.15