Cerberus-Prox HID/Strike Board
Parts List

Identifier	Value	Manufacturer	Manufacturer Part	Physical Detail	Supplier	Supplier Part Number	Lead Time	Req. Qty.	Unit Price	Total Price	Notes
Resistors											
R1	1K 0.25W 5%	n/a	n/a	0.400 spacing	n/a	n/a	2	1	$0.01	$0.01	
R2,3	330R 0.25W 5%	n/a	n/a	0.400 spacing	n/a	n/a	2	2	$0.01	$0.02	
R4	10K 0.25W 5%	n/a	n/a	0.400 spacing	n/a	n/a	2	1	$0.01	$0.01	
Capacitors											
C1-8	0.1uF ceramic disc	n/a	n/a	0.100 spacing	n/a	n/a	2	8	$0.10	$0.80	
C9	100uF 50V electrolytic	n/a	n/a	0.200 spacing	n/a	n/a	2	1	$0.25	$0.25	
Semiconductors											
D1,2	1N4001 1A diode	n/a	n/a	DO-41	n/a	n/a	2	2	$0.25	$0.50	
D3	5mm green LED	n/a	n/a	0.100 spacing	n/a	n/a	2	1	$0.10	$0.10	
D4	5mm red LED	n/a	n/a	0.100 spacing	n/a	n/a	2	1	$0.10	$0.10	
Q1	2N3904 NPN transistor	n/a	n/a	TO-92	n/a	n/a	2	1	$0.10	$0.10	
U1	PIC16F627A microcontroller	Microchip	PIC16F627A-I/P	18DIP 0.300 wide	Digikey	PIC16F627A-I/P-ND	2	1	$1.60	$1.60	
U2	MAX202 RS-232 transceiver	Maxim	MAX202CPE+	16DIP 0.300 wide	Digikey	MAX202CPE+-ND	2	1	$3.57	$3.57	
U3	LM7805 +5V linear regulator	Fairchild	LM7805CT	TO-220	Digikey	LM7805CT-ND	2	1	$0.40	$0.40	
Misc.											
K1	DPDT 5V relay	Omron	G5V-2-H1-DC5	16DIP 0.300 wide	Digikey	Z108-ND	2	1	$3.08	$3.08	
P1	6 pos. SIP header pins	n/a	n/a	0.100 spacing	n/a	n/a	2	1	$0.10	$0.10	
P2	5 x 2 pos. terminal blocks	Weidmuller	1760510000	0.200 spacing	Digikey	281-1882-ND	2	5	$0.39	$1.95	
P3	2 pos. terminal blocks	Weidmuller	1760510000	0.200 spacing	Digikey	281-1882-ND	2	1	$0.39	$0.39	
P4	3 x 2 pos. terminal blocks	Weidmuller	1760510000	0.200 spacing	Digikey	281-1882-ND	2	3	$0.39	$1.17	
P5	8 pos. SIP header pins	n/a	n/a	0.100 spacing	n/a	n/a	2	1	$0.10	$0.10	
SK1	18 pin DIP socket	n/a	n/a	18DIP 0.300 wide	n/a	n/a	1	1	$0.25	$0.25	
SK2	16 pin DIP socket	n/a	n/a	16DIP 0.300 wide	n/a	n/a	1	1	$0.20	$0.20	
HS1	TO-220 4W heatsink	n/a	n/a	TO-220 bolt-on	n/a	n/a	2	1	$0.50	$0.50	
BOLT1	4-40 x 0.25" bolt philips pan	n/a	n/a	0.25" long	n/a	n/a	2	1	$0.10	$0.10	
NUT1	4-40 nut	n/a	n/a	n/a	n/a	n/a	2	1	$0.10	$0.10	
PCB	4.0" x 3.0" single sided PCB	n/a	n/a	4.0" x 3.0" x 0.032"	n/a	n/a	2	1	$2.00	$2.00	
ENCLOSURE	small plastic enclosure	n/a	n/a	4.5" x 3.5" x 1.5"	n/a	n/a	2	1	$5.00	$5.00	
									Total	**$22.40**	

Note: Parts with supplier "n/a" are generic and have no manufacturer / part information. Use whatever you have around or can buy easily.