

Bill of Materials PHCC: DOA_8servo Rev0B (North America)

Parts Count 37
Parts Total \$17.08

IDEN	Part No.	Qty	Nomenclature	Manufacturer		
Vendor	SKU/Article No	U/I	Unit Cost	Unit Count	Item Total	Remarks
<input type="checkbox"/>	C1	C323C104K1R5CA	1	Capacitor, ceramic, multilayer, X7R, 0.1 uF (100nF), 100V, 10%	Kemet	
Mouser Electronics	80-C323C104K1R5C	EA	\$0.25	1	\$0.25	0.200 in L x 0.320 in H, lead spacing 0.2 in , Radial
<input type="checkbox"/>	C2, C3	C114K180K1X5CA	2	Capacitor, Molded Axial Ceramic, 100V, 18pF, 10% Tol	Kemet	
Mouser Electronics	80-C114K180K1X	EA	\$0.38	1	\$0.76	
<input type="checkbox"/>	C4	R470/16	1	Capacitor electrolytic, 470uF, 16V, +/- 20%, aluminum, 85C	Generic	
Jameco Electronics	93811	PG	\$1.10	10	\$0.11	
<input type="checkbox"/>	CON1	103309-1	1	CONNECTOR,HEADER,10POS,30AU,STRAIGHT,LOW PROFILE,100"x.1 AMP		
Jameco Electronics	496051	EA	\$0.59	1	\$0.59	
<input type="checkbox"/>	CON2	1984617	1	terminal block EURO style, screw clamp, PCB, 3.5mm, 2 position	Phoenix contact	
Mouser Electronics	651-1984617	EA	\$0.35	1	\$0.35	AWG 26-16, green, 17.5A, HORZ, PCB mount, 9mm HT, 7.6mm LG
<input type="checkbox"/>	CON3	102201	1	SIL female socket, 10 pos, solder tail, 0.100" spacing	Generic	
Jameco Electronics	102201	EA	\$0.25	1	\$0.25	Cut to size as required for each installation
<input type="checkbox"/>	IC1	PIC18F242-I/SP	1	Microcontrollers (MCU), PIC18Fxxx Flash MCUs 16KB 768 RAM 23I/O	Microchip	
Mouser Electronics	579-PIC18F242-I/SP	EA	\$5.99	1	\$5.99	28 pin SPDIP, MSSP or SPI or I2C or PSP or USART , 2 V to 5.5 V
<input type="checkbox"/>	MA	4546-632-B-12	4	standoff. M/F, 1/4" hex, No.6-32 thread, 1-1/4" long, thread lg 3/16"	RAF	
Jameco Electronics	393968	EA	\$0.85	1	\$3.40	

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<input type="checkbox"/> MA	ZPHP-0632-08-C	4	screw, No.6-32 x 1/2", panhead, phillips	Imported		
Small Parts Inc	ZPHP-0632-08-C	PG	\$1.60	100	\$0.06	Zinc plated steel
<input type="checkbox"/> MA	499252-5	1	Strain relief, IDC connector, 10 pos	AMP		
Jameco Electronics	526045	EA	\$0.20	1	\$0.20	Use with 10 pos AMPLATCH IDC connector
<input type="checkbox"/> MA	HNS-0632-C	4	hex nut, No.6-32	Imported		
Small Parts Inc	HNS-0632-C	PG	\$2.63	100	\$0.10	Zinc plated steel
<input type="checkbox"/> MA/IC1	28SMLP	1	DIP socket, slimline, low profile, 28 POS, width .3"	Generic		
Jameco Electronics	114412	EA	\$0.85	1	\$0.85	
<input type="checkbox"/> MA/RN1	1-390261-4	1	DIP socket, 16 position	AMP		
Jameco Electronics	683121	PG	\$0.49	5	\$0.10	
<input type="checkbox"/> P1	499997-1	1	IDC connector, 10 pos, 2x5, .100" x .100", AWG 28-26	AMP		
Jameco Electronics	849354	EA	\$0.70	1	\$0.70	
<input type="checkbox"/> PCB1	DOA_8servo_rev0B	1	PCB for DOA_8servo_rev0B	Locally		
Locally	00000	EA	\$0.00	1	\$0.00	
<input type="checkbox"/> R1	291-10K-RC	1	Resistor, 1/4W carbon film, +/- 5%, 10K	Xicon		
Mouser Electronics	291-10K-RC	BG	\$0.40	10	\$0.04	
<input type="checkbox"/> RN1	MDP1603100RGE0	1	Resistor network DIP, 16 pin, 100 ohm, +/- 2%, isolated	Vishay/Dale		
Jameco Electronics	108556	EA	\$0.39	1	\$0.39	

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<input type="checkbox"/> SERVO1-8	2556P03JL62	8	Header, male, .100" (2.54mm), 1x3, single row	Eoco		
Jameco Electronics	679092	EA	\$0.27	1	\$2.16	straight, single row, gold plated, 0.125" tail, 0.240" pin, contact 0.025" square, 3A, 250 VDC
<input type="checkbox"/> W1	28RC10-10	1	Ribbon cable, 10 conductor, 28 AWG, stranded copper	Imported		
Jameco Electronics	639672	FT	\$3.19	10	\$0.32	7x36, stranded, AWG 28, spacing 0.05", 300V
<input type="checkbox"/> X1	ECS-98.3-20-1X	1	Crystal, 9.8304 MHz, HC-49/U (HC-18/U) case, freq tol: 30ppm,	ECS		
Mouser Electronics	520-HCA983-20X	EA	\$0.46	1	\$0.46	freq stab: 50ppm, load cap: 20pF,