

Bill of Materials PHCC: DOA_40DO Rev0 (North America)

Parts Count 70
Parts Total \$39.44

IDEN	Part No.	Qty	Nomenclature	Manufacturer		
Vendor	SKU/Article No	U/I	Unit Cost	Unit Count	Item Total	Remarks
<input type="checkbox"/> C10	RA100/63	1	Capacitor electrolytic, 100uF, 63V, +/- 20%, aluminum, 85C	Generic		
Jameco Electronics	330502	PG	\$1.22	10	\$0.12	
<input type="checkbox"/> C1-C7	C323C104K1R5CA	7	Capacitor, ceramic, multilayer, X7R, 0.1 uF (100nF), 100V, 10%	Kemet		
Mouser Electronics	80-C323C104K1R5C	EA	\$0.25	1	\$1.75	0.200 in L x 0.320 in H, lead spacing 0.2 in , Radial
<input type="checkbox"/> C8, C9	C114K180K1X5CA	2	Capacitor, Molded Axial Ceramic, 100V, 18pF, 10% Tol	Kemet		
Mouser Electronics	80-C114K180K1X	EA	\$0.38	1	\$0.76	
<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-CON7	5103309-3	5	CONNECTOR,HEADER,16POS,30AU,STRAIGHT,LOW PROFILE,,100"x:1	AMP		
Jameco Electronics	753580	EA	\$1.39	1	\$6.95	
<input type="checkbox"/> IC1	PIC18F2220-I/SP	1	PICmicro - PIC18Fxxx Flash MCUs 4KB 512 RAM 25 I/O	Microchip		
Mouser Electronics	579-PIC18F2220-I/S	EA	\$5.64	1	\$5.64	28 pin
<input type="checkbox"/> IC2-IC6	74HC595-R	5	SHIFT REGISTERS W/ 3-ST, DIP-16, 8-BIT	ON semiconductor		
Jameco Electronics	46106	EA	\$0.85	1	\$4.25	

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<input type="checkbox"/> IC7-IC11	UJLN2803A-R	5	DARLINGTON , ARRAY, EIGHT , DIP-18	Texas Instruments
Jameco Electronics	34316	EA	\$1.05 1	\$5.25
<input type="checkbox"/> MA	499252-8	5	strain relief, AMPLATCH, 16 POS	AMP
Jameco Electronics	526061	EA	\$0.20 1	\$1.00 use with IDC connector 499997-3
<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	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
<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/IC2-6	1-390261-4	5	DIP socket, 16 position	AMP
Jameco Electronics	683121	PG	\$0.49 5	\$0.49
<input type="checkbox"/> MA/IC7-11	1-390261-5	5	DIP socket , standard, 18 POS, width .3"	AMP
Jameco Electronics	683139	PG	\$0.75 5	\$0.75
<input type="checkbox"/> P1-P5	499997-3	5	IDC ribbon connector, 16 POS, 2x8, 0.100" x 0.100" grid	AMP
Jameco Electronics	524066	EA	\$1.05 1	\$5.25 use with strain relief
<input type="checkbox"/> P6	499997-1	1	IDC connector, 10 pos, 2x5, .100" x .100", AWG 28-26	AMP
Jameco Electronics	849354	EA	\$0.70 1	\$0.70

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<input type="checkbox"/> PCB1	DOA_40DO_rev0	1	PCB for DOA 40DO rev0	Locally		
	000000	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"/> R2-R8	291-100K-RC	7	Resistor, 1/4W carbon film, +/- 5%, 100K	Xicon		
	Mouser Electronics 291-100K-RC	BG	\$0.40	10	\$0.28	
<input type="checkbox"/> R9	JUMPER	1	0 ohm / wire	Locally		
	Locally bare wire	EA	\$0.00	1	\$0.00	used as 0 ohm resistor
<input type="checkbox"/> W1	28RC16-10	1	Ribbon cable, AGW28, 16 conductors, PVC insulation	Imported		
	Jameco Electronics 643532	FT	\$3.85	10	\$0.39	28AWG, 7X36, stranded copper, spacing:0.05"
<input type="checkbox"/> X1	ECS-98.3-20-4X	1	Microprocessor crystal osc. 10MHz, HC49/U-S case	ECS		
	Mouser Electronics 520-HCU983-20X	EA	\$0.53	1	\$0.53	11.5mm x 5mm, Freq: 9.8304 MHz, Tol: 30ppm, Load Cap: 20pF