

Bill of Materials PHCC: **DOB_74595T Rev0B** (North America)

Parts Count 83
Parts Total \$20.68

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-C4	C323C104K1R5CA	3	Capacitor, ceramic, multilayer, X7R, 0.1 uF (100nF), 100V, 10%	Kemet		
Mouser Electronics	80-C323C104K1R5C	EA	\$0.25	1	\$0.75	0.200 in L x 0.320 in H, lead spacing 0.2 in , Radial
<input type="checkbox"/> C5	R100J/35	1	Capacitor electrolytic, 100uF, 35V, +/- 20%, aluminum, 85C	Generic		
Jameco Electronics	198970	PG	\$0.70	10	\$0.70	
<input type="checkbox"/> C6, C7	R1000/35	2	Capacitor electrolytic, 1000uF, 35V, +/- 20%, aluminum, 85C	Generic		
Jameco Electronics	286045	EA	\$0.50	1	\$1.00	
<input type="checkbox"/> CON1, CON2	103309-1	2	CONNECTOR,HEADER,10POS,30AU,STRAIGHT,LOW PROFILE,,100"x.1 AMP			
Jameco Electronics	496051	EA	\$0.59	1	\$1.18	
<input type="checkbox"/> CON3, CON4	1984675	2	terminal block EURO style, screw clamp, PCB, 3.5mm spacing, 8 positio	Pheonix contact		
Mouser Electronics	651-1984675	EA	\$1.39	1	\$2.78	AWG 26-16, PCB mount, HORZ, green
<input type="checkbox"/> CON5, CON6	1984617	2	terminal block EURO style, screw clamp, PCB, 3.5mm, 2 position	Pheonix contact		
Mouser Electronics	651-1984617	EA	\$0.35	1	\$0.70	AWG 26-16, green, 17.5A, HORZ, PCB mount, 9mm HT, 7.6mm LG
<input type="checkbox"/> D1-D16	1N4007	16	Diode, Rectifiers, Vr/1000V, Io/1A, DO-41 case	Fairchild		
Mouser Electronics	512-1N4007	EA	\$0.07	1	\$1.12	

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<input type="checkbox"/> IC1, IC2	74HC595-R	2	SHIFT REGISTERS W/ 3-ST, DIP-16, 8-BIT	ON semiconductor
Jameco Electronics	46106	EA	\$0.85 1	\$1.70
<input type="checkbox"/> IC3	74HC04N	1	Hex invertor, DIP-14 package	Phillips
Jameco Electronics	45209	EA	\$0.24 1	\$0.24
<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	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	1-390261-4	2	DIP socket, 16 position	AMP
Jameco Electronics	683121	PG	\$0.49 5	\$0.19
<input type="checkbox"/> MA/IC3	390261-3	1	DIP socket, 14 pos, standard, width .3"	AMP
Jameco Electronics	526192	PG	\$0.41 5	\$0.09
<input type="checkbox"/> MA/P1	499252-5	2	Strain relief, IDC connector, 10 pos	AMP
Jameco Electronics	526045	EA	\$0.20 1	\$0.40 Use with 10 pos AMPLATCH IDC connector
<input type="checkbox"/> P1, P2	499997-1	2	IDC connector, 10 pos, 2x5, .100" x .100", AWG 28-26	AMP
Jameco Electronics	849354	EA	\$0.70 1	\$1.40
<input type="checkbox"/> PCB1	DOB_74595+T_rev	1	PCB for DOB_74595+T_rev0b	Locally
Locally	00000	EA	\$0.00 1	\$0.00

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<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-R17	291-270-RC	16	Resistor carbon film, 270 ohm, 1/4W, 5%	Xicon
Mouser Electronics	291-270-RC	EA	\$0.10 1	\$1.60
<input type="checkbox"/> T1-T16	BC635	16	Transistor, small signal, NPN, GP AMP, TO-92 case	Fairchild
Mouser Electronics	512-BC635	EA	\$0.15 1	\$2.40
<input type="checkbox"/> W1	28RC10-10	2	Ribbon cable, 10 conductor, 28 AWG, stranded copper	Imported
Jameco Electronics	639672	FT	\$3.19 10	\$0.64 7x36, stranded, AWG 28, spacing 0.05", 300V