

I have?	I Need?	Ref	Value	BOM_Qty	OrderQty	Part_No	Each	Source	Footprint	Info
		C2, C4, C5	47 pF, Capacitor Monolithic 100 Volt 5% NPO	3	10	332567	\$ 0.19	Jameco	C2	multiples of 10
		C11	0.001uf (= 1nF or 1000pF) 100V 5% C0G, Axial Leads	1	1	581-SA101A10 2J	\$ 0.27	Mouser	C2	
		C43	0.01 uF, 100 Volt X7R 10% Radial	1	1	544833	\$ 0.29	Jameco	C2	
		C7, C8, C9, C10, C17, C18, C31, C32, C33, C34, C35, C36, C37, C38, C39, C41, C46, C51, C72, C73, C74, C75	0.1 uF, 25 Volt, Monolithic X7R, Radial	22	30	544921	\$ 0.15	Jameco	C2	multiples of 10
		C1, C3	33 uF, 25 Volt, 10%, Radial Tantalum	1		33785	\$ 1.75	Jameco	C1V5	
		C6, C12, C44, C53, C57, C69, C70	10 uF, 25 Volt, 10%, Radial Tantalum	7	7	545641	\$ 0.59	Jameco	C1V5	
		D1, D3, D4, D15, D16	LED	5					LEDV	
		DIS1, DIS2, DIS3, DIS4	TIL-311, Hexadecimal Display with Logic, Display 4-Bit Binary Data	4				UTSource or ACP Surplus	14dip300	
		FB1, FB2, FB3, FB4	EMI Ferrite Bead, BEAD ON LEAD, Z=68 OHM @ 100MHz, Axial Leads	4	4	623-274300111 2LF	\$ 0.13	Mouser	C2	
		JP1, JP2, JP3, JP4, JP8	Jumper, 2 Position, Unshrouded Header 2.54mm Solder Straight	5		160882	\$ 0.79	Jameco	SIL-2	order 40 Pin strips
		K1, K5	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight	2		160882	\$ 0.79	Jameco	SIL-3	order 40 Pin strips
		P60, P61	Jumper, 4 Position, Unshrouded Header 2.54mm Solder Straight	2		160882	\$ 0.79	Jameco	SIL-4	order 40 Pin strips
		P3	Jumper, 5 Position, Unshrouded Header 2.54mm Solder Straight	1		160882	\$ 0.79	Jameco	SIL-5	order 40 Pin strips
		P75	Jumper, 8 Position, Unshrouded Header 2.54mm Solder Straight	1		160882	\$ 0.79	Jameco	SIL-8	order 40 Pin strips
		P76, P77, P78	Jumper, 2x2 Position, Unshrouded Header, 2.54mm, Solder Straight	3		53532	\$ 0.85	Jameco	pin_array_2X2	Buy 20x2pins and cut down
		P36, P57	Jumper, 5x2 Position, Unshrouded Header, 2.54mm, Solder Straight	2		53532	\$ 0.85	Jameco	pin_array_5x2	Buy 20x2pins and cut down
		P2, P74	Jumper, 8x2 Position, Unshrouded Header, 2.54mm, Solder Straight	2		53532	\$ 0.85	Jameco	pin_array_8x2	Buy 20x2pins and cut down

	P38	Unshrouded Header, 5x2 Position, 2.54mm Solder, Right Angle	1	1	203932	\$ 0.39	Jameco	pin_array_5x2	
	P4	Unshrouded Header, 8x2 Position, 2.54mm Solder, Right Angle	1	1	203967	\$ 0.55	Jameco	pin_array_8x2	
	P5	Connector, Circular Mini DIN, 6 Position, Shielded Socket, R/A, Mouse-Keyboard	1	1	806-KMDLX-6SBS	\$ 1.82	Mouser	MINIDIN-6	
	P6	Connector, DE15F, High Density, D-Subminiature, Female, 15 Position, Solder, Right Angle, W/O Jack Screw, VGA	1	1	1952273	\$ 0.45	Jameco	Conn_Dsub_DE15F	
	R22, R23	100 Ohm 5% 1/4W, (CF)	2	10	690620	\$ 0.10	Jameco	R3	multiples of 10
	R17, R19, R21	150 Ohm 5% 1/4W, (CF)	3	10	690662	\$ 0.10	Jameco	R3	multiples of 10
	R26, R28, R30, R31, R32	240 Ohm 5% 1/4W, (CF)	5	10	690718	\$ 0.10	Jameco	R3	multiples of 10
	R25, R27, R29, R33, R63, R64, R66, R67	470 Ohm 5% 1/4W, (CF)	8	10	690785	\$ 0.10	Jameco	R3	multiples of 10
	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R18, R20, R60, R61, R69, R70	1K Ohm 5% 1/4W, (CF)	16	20	690865	\$ 0.10	Jameco	R3	multiples of 10
	R4, R24	4.7K Ohm 5% 1/4W, (CF)	2	10	691024	\$ 0.10	Jameco	R3	multiples of 10
	R1, R2, R3, R5, R6	10K Ohm 5% 1/4W, (CF)	5	10	691104	\$ 0.10	Jameco	R3	multiples of 10
	R68	100K Ohm 5% 1/4W, (CF)	1	10	691340	\$ 0.10	Jameco	R3	multiples of 10
	RR5	1K Ohm SIP 10 pin, 9 Resistors	1	1	97877	\$ 0.29	Jameco	r_pack9	
	RR2	10K Ohm SIP 10 pin, 9 Resistors	1	1	24643	\$ 0.29	Jameco	r_pack9	
	RV1	Resistor, Cermet Trimmer, 5K Ohm, 1/2 Watt, 3/8" Square, 1Turn, 3 Pin Thru-Hole	1	1	43078	\$ 1.25	Jameco	RV	
	SP1	Audio Buzzer Piezo, 12VDC 7mA, Solder, 3VDC, 3500Hz to 4500Hz, Through Hole	1	1	138713	\$ 1.99	Jameco	buzzer_AL11P_modified	
	SW2, SW3	DIP Switch, 8-Pos, On-Off, SPST, Raised Rocker	2	2	696917	\$ 1.39	Jameco	SWDIP8	
	D14	1N4001, 50 Volt 1 Amp Silicon Rectifier Diode	1	10	35975	\$ 0.12	Jameco	D5	multiples of 10
	Q1, Q3	2N3904 NPN General Purpose	2	10	38359	\$ 0.09	Jameco	TO92-INVERT	multiples of 10
	Q2	2N3906 PNP General Purpose	1	10	38375	\$ 0.12	Jameco	TO92	multiples of 10
	U5	74LS00	1	1	46252	\$ 0.79	Jameco	14dip300	
	U40	74LS04	1	1	283792	\$ 0.65	Jameco	14dip300	
	U6, U48	74LS32	2	2	47466	\$ 0.49	Jameco	14dip300	
	U44	74LS74	1	1	48004	\$ 0.49	Jameco	14dip300	

	U2, U35	74LS123	2	2	46480	\$ 0.69	Jameco	16dip300	
	U49	74LS125	1	1	46501	\$ 0.69	Jameco	14dip300	
	U12, U14, U45	74LS244	3	3	47183	\$ 0.79	Jameco	20dip300	
	U46, U47	74LS374	2	2	47634	\$ 0.79	Jameco	20dip300	
	U3, U20	74LS682	2	2	309260	\$ 1.95	Jameco	20dip300	
	U23	24LC512-I/PG EEPROM, 512K (65,536 x 8), 2V-5V, Two-wire Serial Interface	1	1	579-24LC512-I/PG	\$ 1.61	Mouser	8dip300	
	U21	P8X32A-D40, Propeller Chip, Multicore Microcontroller, 40-Pin DIP	1	1	2007134	\$ 7.95	Jameco	40dip600	
	X1	Crystal, 5.000 MHz, HC-49US, 18 to 20 pF, Accuracy: +/-30 ppm @ 25 °C, Max ESR= 120 Ohms, Low Profile	1	1	324929	\$ 0.59	Jameco	HC-18UH	
	U28	LM3940IT-3.3, 3.3 Volt, 1 Amp, TO-220	1	1	926-LM3940IT-3.3NOPB	\$ 1.82	Mouser	LM78XX	
	P3 (U1)	D24V25F5 Pololu 5V 2.5A Step-Down Voltage Regulator	1	1	D24V25F5	\$ 10.95	Pololu.com	SIL-5	
	U1a (Alternate for D24V25F5 at U1)	PSU5A 5V 2.5A Regulator in TO-220 form Factor	1	1	PSU5A	\$ 7.95	EzSBC.com	LM78XX	
	U1b (Alternate for D24V25F5 at U1)	L7805ACV, 5 Volt, 1 Amp, 3 Pin 3+ Tab TO-220	1	1	924570	\$ 0.49	Jameco	LM78XX	
	U1, U28	Heat Sink, TO-220, 1.2"L x 1"W x 0.5"H (for L7805 and LM3940)	2	2	129242	\$ 0.75	Jameco		
	U1, U28	Screw, 6-32, 3/8" Phillips	2						
	U1, U28	Nut, Hex, 6-32	2						
	DIP08	DIP socket 8	1	1	112206	\$ 0.25	Jameco	8dip300	
	DIP14	DIP socket 14	10	10	112214	\$ 0.14	Jameco	14dip300	multiples of 10
	DIP16	DIP socket 16	2	10	112222	\$ 0.20	Jameco	16dip300	multiples of 10
	DIP20	DIP socket 20	7	10	112248	\$ 0.17	Jameco	20dip300	multiples of 10
	DIP40 (0.600)	DIP socket 40 (0.600)	1	10	41111	\$ 0.33	Jameco	40dip600	multiples of 10
	Card Ejector	Circuit Board Card Ejector and Pin, 0.062 inch, White Nylon, BIVAR PN# CP-06 WE	2	2	749-CP-06-WE	\$ 0.49	Mouser		