

I have?	I Need?	Reference Designator	Value	BOM_Qty	OrderQty	Part_No #	Each	Source	Footprint	Info
		C3	1nF (0.001µF), 50V ±20%, Monolithic Ceramic, Radial	1	10	81517	\$ 0.14	Jameco	C2	order qty = 10+
		C1, C2, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C25, C26, C27, C28, C30, C31, C32, C35, C36, C37, C39, C40, C41, C43, C44, C45, C47, C48, C49, C51, C52, C53	0.1 uF, 50 Volt, Monolithic Z5U, Radial	44	44	767834	\$ 0.19	Jameco	C2	order qty = 10+
		C34	10 uF, 25V, 20%, Aluminum Electrolytic, Radial Capacitor	1	10	94212	\$ 0.16	Jameco	C1V5	order qty = 10+
		C24	33 uF, 25 Volt, 10%, Radial Tantalum	1	1	33785	\$ 1.49	Jameco	C1V5	
		D4, D6	LED, Red Diffused, 5mm, T-1 3/4, 643nm, 75mcd	2	10	333973	\$ 0.12	Jameco	LEDV	order qty = 10+
		D7	LED, Super Red LED, Diffused, 3mm, T1, 70mcd, 660 nm	1	10	2334111	\$ 0.12	Jameco	LEDV	order qty = 10+
		D1	LED, Green, Diffused, 5mm, T-1 3/4, 565nm, 30mcd	1	10	34761	\$ 0.15	Jameco	LEDV	order qty = 10+
		D3	LED, Yellow, Diffused, 5mm (T-1 3/4), 588nm, 29mcd	1	10	697549	\$ 0.14	Jameco	LEDV	order qty = 10+
		D2	LED, Super Bright Blue, Diffused, 5mm T-1 3/4, 470nm, 350mcd	1	1	2234071	\$ 0.25	Jameco	LEDV	
		JP2, JP3, JP5, JP6, JP7, JP8, JP9	Jumper, 2 Position, Unshrouded Header 2.54mm, Solder, Straight	7	10	108338	\$ 0.17	Jameco	SIL-2	order qty = 10+
		K1, K2, K3, K5, K6, K7, K8, K9, K10	Jumper, 3 Position, Unshrouded Header 2.54mm, Solder, Straight	9	10	109576	\$ 0.15	Jameco	SIL-3	order qty = 10+
		P13, P14	Jumper, 5 Position, Unshrouded Header 2.54mm, Solder, Straight	2	2	2076789	\$ 0.29	Jameco	SIL-5	
		P6, P7	Jumper, 6 Position, Unshrouded Header 2.54mm, Solder, Straight	2	2	153700	\$ 0.45	Jameco	SIL-6	
		P20	Jumper, 7 Position, Unshrouded Header 2.54mm, Solder, Straight	1	10	2076800	\$ 0.12	Jameco	SIL-7	order qty = 10+
		P8	Jumper, 8 Position, Unshrouded Header 2.54mm, Solder, Straight	1	1	153702	\$ 0.35	Jameco	SIL-8	
		P3, P9	Jumper, 2x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	2	2	115027	\$ 0.25	Jameco	pin_array_2X2	
		P5	Jumper, 3x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	1	1	115035	\$ 0.39	Jameco	pin_array_3x2	
		P1, P4, P15	Jumper, 8x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	3	3	109568	\$ 0.75	Jameco	pin_array_8x2	
		R12, R13, R14, R15	10 Ohm 5% 1/4W	4	10	690380	\$ 0.06	Jameco	R3	order qty = 10+
		R19, R21	330 Ohm 5% 1/4W	2	10	690742	\$ 0.06	Jameco	R3	order qty = 10+

	R17, R18, R22, RR9	1K Ohm 5% 1/4W	4	10	690865	\$ 0.06	Jameco	R3	order qty = 10+
	R2, R3, R4, R5, R8, R9, R11	2K Ohm 5% 1/4W	7	10	690937	\$ 0.06	Jameco	R3	order qty = 10+
	R1, R16	4.7K Ohm 5% 1/4W	2	10	691024	\$ 0.06	Jameco	R3	order qty = 10+
	R6, R7, R10	100K Ohm 5% 1/4W	3	10	691340	\$ 0.06	Jameco	R3	order qty = 10+
	RR1, RR2, RR3, RR6, RR7	1K Ohm SIP 10 pin, 9 Bussed Resistors, 125 mWatt, 2%	5	5	97877	\$ 1.49	Jameco	r_pack9	
	RR4, RR8	4.7K Ohm SIP 10 pin, 9 Bussed Resistors, 125 mWatt, 2%	2	2	24660	\$ 1.49	Jameco	r_pack9	
	RR5	47K Ohm SIP 6 pin, 5 Bussed Resistors, 200 mWatt, 2%	1	1	4606X-1-473LF-ND	\$ 0.39	Digi-key	r_pack5	
	SW2	DIP Switch SPST OFF-ON 4-Position Raised Slide 150mA 30VDC	1	1	2334103	\$ 0.95	Jameco	SWDIP4	
	SW1	Switch, Push Button, Tactile, SPST OFF-(ON), 15 VDC @ 20mA, Actuator Height 0.13 Inch	1	1	149948	\$ 0.35	Jameco	~	
	U32	Clock Oscillator, DIP-14, 5V, 2.0000 MHz	1	1	ECS-100AX-020	\$ 3.15	Digi-key	14dip300	
	P2	Clock Oscillator, DIP-14, 5V, 18.432 MHz	1	1	ECS-100AX-184	\$ 3.15	Digi-key	14dip300	
	U13	SN74AHC139N	1	1	296-4546-5-ND	\$ 0.73	Digi-key	16dip300	
	U1	74F04	1	1	74F04	\$ 0.46	anchor-electronics.com	14dip300	
	U7	74S00	1	1	74S00	\$ 0.29	anchor-electronics.com	14dip300	
	U6, U39	74S08	2	2	74S08	\$ 0.35	anchor-electronics.com	14dip300	
	U2, U30	SN74LS00N	2	2	296-1626-ND	\$ 0.76	Digi-key	14dip300	
	U11, U35	SN74LS02N	2	2	296-1627-5-ND	\$ 0.73	Digi-key	14dip300	
	U4, U38, U42	74LS04	3	3	74LS04	\$ 0.48	anchor-electronics.com	14dip300	
	U16, U36	74LS05	2	2	74LS05	\$ 0.28	anchor-electronics.com	14dip300	
	U15	SN74LS10N	1	1	296-1634-5-ND	\$ 0.94	Digi-key	14dip300	
	U22, U26	SN74LS11N	2	2	296-3638-ND	\$ 0.91	Digi-key	14dip300	
	U12	74LS27	1	1	74LS27	\$ 0.28	anchor-electronics.com	14dip300	
	U20, U21	SN74LS32N	2	2	296-1658-5-ND	\$ 0.85	Digi-key	14dip300	
	U5, U17, U27, U31, U34	74LS74	5	5	74LS74	\$ 0.35	anchor-electronics.com	14dip300	
	U29	SN74LS139AN	1	1	296-1640-5-ND	\$ 0.92	Digi-key	16dip300	
	U18, U23	SN74LS165AN	2	2	296-14885-5-ND	\$ 0.88	Digi-key	16dip300	
	U24, U25, U33, U37	74LS244	4	4	74LS244	\$ 0.79	anchor-electronics.com	20dip300	

	U28	74LS259	1	1	74LS259	\$ 0.69	anchor-electronics.com	16dip300	
	U8, U9, U10, U19	74LS373	4	4	74LS373	\$ 0.52	anchor-electronics.com	20dip300	
	U41	74LS682	1	1	74LS682	\$ 2.30	anchor-electronics.com	20dip300	
	U3	SST39SF040-70-4C-PHE	1	1	SST39SF040-70-4C-PHE-ND	\$ 3.87	Digi-key	32dip600	
	U14	AS6C4008-55PCN	1	1	1450-1027-ND	\$ 5.99	Digi-key	32dip600	
	IC1	Zilog Z8S18020VSC, or Z8S18033VSC	1				Ebay, etc.	PLCC-68	
	K4	DS1233-5+	1	1	DS1233D-5+-ND	\$ 2.15	Digi-Key	TO-92-3	
	U40	L7805CV, Voltage Regulator, +5 Volt, 1.5 Amp, TO-220-3	1	1	924633	\$ 0.55	Jameco	TO-220-3	
	(P13) (ALTERNATE for U40)	eZSBC 5V Regulator	1		PSU3-5	\$ 6.95	EZSBC.COM	SIL-3	
	(P13) (ALTERNATE for U40)	D24V22F5 Pololu 5V 2.5A Step-Down Voltage Regulator	1		2858	\$ 11.95	Pololu.com	SIL-5	
	(P14) (ALTERNATE for U40)	D24V25F5 Pololu 5V, 2.5A Step-Down Voltage Regulator	1		2850	\$ 17.95	Pololu.com	SIL-5	
	DIP14	DIP socket, 14 Pins	25	25	112214	\$ 0.22	Jameco	14dip300	order qty = 10+
	DIP16	DIP socket, 16 Pins	5	10	112222	\$ 0.18	Jameco	16dip300	order qty = 10+
	DIP32 (0.600) (U3,U14)	DIP socket 32 (0.600" W)	2	2	689979	\$ 0.35	Jameco	32dip600	
	PLCC-68	PLCC Socket, 68 Pins, Through-Hole	1	1	PLCC-68	\$ 1.25	anchor-electronics.com	PLCC-68	
	Card Ejector	Circuit Board CARD EJECTOR, PCB 1.13", 0.063" WHITE, Nylon, Natural, BIVAR PN# CP-06 WE	2	2	492-1024-ND	\$ 0.48	Digi-Key		
		Wall Adapter, Transformer, 9V DC 2A Output, 18 Watt, 2.1mm Plug	1	1	2225609	\$ 13.70	Jameco		