

S-100 Z80 V2a

6/7/2019

I have?	I Need?	Ref	Value	BOM Qty	OrderQty	Part No	Each	Src	Footprint	Info
		C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C36, C37, C38, C39, C40, C41, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C57, C58, C59, C60, C61, C62, C63	0.1 uF, 50 Volt, Monolithic Z5U, Radial	48	50	544921	\$ 0.19	Jameco	C2	order qty = 10+
		C3	10 uF, 25 Volt, 10%, Radial Tantalum	1	1	545641	\$ 0.59	Jameco	C1V5	
		C42	22 uF, 16 Volt, 10%, Radial Tantalum	1	1	94094	\$ 0.65	Jameco	C1V7	
		C43	33 uF, 25 Volt 10% Radial Tantalum	1	1	33785	\$ 1.95	Jameco	C1V5	
		C1	47 uF, 16 Volt, 10%, Radial Tantalum	1	1	94123	\$ 1.69	Jameco	C1V7	
		D6	1N4148 (1N914)	1	10	36311	\$ 0.07	Jameco	D3	multiples of 10
		D1, D2, D3, D4	LED, Uni-Color Red, 60mcd, 635nm, T-1 3/4	4	10	790081	\$ 0.12	Jameco	LEDV	order qty = 10+
		D5	LED, Green, 30mcd, 565nm, T-1 3/4	1	10	34761	\$ 0.15	Jameco	LEDV	order qty = 10+
		D7	LED, Yellow Diffused, 55mcd, 585nm, T-1 3/4	1	1	2193985	\$ 0.25	Jameco	LEDV	
		D8	LED, Blue Diffused, T-1 3/4, 350mcd, 470nm	1	1	2234071	\$ 0.69	Jameco	LEDV	
		JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP9, JP10	Jumper, 2 Position, Unshrouded Header 2.54mm Solder Straight	9		160882	\$ 0.79	Jameco	SIL-2	order 40 Pin strips
		JP8, K1, K2, K3	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight	4		160882	\$ 0.79	Jameco	SIL-3	order 40 Pin strips
		P8, P9, P10	Jumper, 4 Position, Unshrouded Header 2.54mm Solder Straight	3		160882	\$ 0.79	Jameco	SIL-4	order 40 Pin strips
		P4, P37	Jumper, 2x2 Position, Unshrouded Header 2.54mm Solder Straight	2		53532	\$ 0.75	Jameco	pin_array_2X2	order 20x2 Pin strip
		P36	Jumper, 3x2 Position, Unshrouded Header 2.54mm Solder Straight	1		53532	\$ 0.75	Jameco	pin_array_3x2	order 20x2 Pin strip
		P2, P3, P39	Jumper, 4x2 Position, Unshrouded Header 2.54mm Solder Straight	3		53532	\$ 0.75	Jameco	pin_array_4x2	order 20x2 Pin strip
		Q1	2N3904 NPN General Purpose	1	1	38359	\$ 0.25	Jameco	TO92-INVERT	
		R35, R36, R37, R38	10 Ohm 5% 1/4W	4	10	690380	\$ 0.06	Jameco	R3	multiples of 10
		R1 R2	220 Ohm 5% 1/4W	2	10	690700	\$ 0.06	Jameco	R3	multiples of 10
		R5	330 Ohm 5% 1/4W	1	10	690742	\$ 0.06	Jameco	R3	multiples of 10
		R6, R7, R8, R9	680 Ohm 5% 1/4W	4	10	690822	\$ 0.06	Jameco	R3	multiples of 10
		R3, R40	1K Ohm 5% 1/4W	2	10	690865	\$ 0.06	Jameco	R3	multiples of 10
		R11, R39, R41	4.7K Ohm 5% 1/4W	3	10	691024	\$ 0.06	Jameco	R3	multiples of 10
		RR2, RR3, RR4, RR5, RR6, RR8, RR9	1K Ohm SIP 10 pin, 9 Resistors	7	7	97877	\$ 0.29	Jameco	r_pack9	
		RR7	4.7K Ohm SIP 10 pin, 9 Resistors	1	1	24660	\$ 0.29	Jameco	r_pack9	

	SW2, SW3, SW4	DIP Switch, 8-Pos, On-Off, SPST, Raised Rocker	3	3	696917	\$ 1.39	Jameco	SWDIP8
	U42	Clock Oscillator, DIP-14, 5V, 2.0000 MHz	1	1	27924	\$ 1.49	Jameco	14dip300
	U46	Clock Oscillator, DIP-14, 5V, 4.0000 MHz	1	1	27967	\$ 1.95	Jameco	14dip300
	U48	EzSBC PSU5, 5V 3A Drop-in replacement of LM323K (Alternate for LM323 at U48)	1	1	PSU5	\$ 8.95	EzSBC.com	TO3
	(Alternate for PSU5 at U48)	LM323K Regulator, 5 Volt 3 Amp, TO-3	1	1	23667	\$14.95	Jameco	TO3
	(for LM323K)	Heat Sink Passive, TO-3, 1.90"L x 1.40"W x 0.50"H	1	1	189835	\$ 1.29	Jameco	
	(for LM323K)	Screw, 6-32, 3/8" Phillips	2					
	(for LM323K)	NUT, HEX, 6-32	2					
	U38	74F04	1	1	74F04	\$ 0.48	Anchor-Electronics	14dip300
	U28, U31	74LS00	2	2	74LS00	\$ 0.39	Anchor-Electronics	14dip300
	U23, U45	74LS02	2	2	74LS02	\$ 0.25	Anchor-Electronics	14dip300
	U24, U25, U36	74LS04	3	3	74LS04	\$ 0.48	Anchor-Electronics	14dip300
	U26, U37	74LS05	2	2	74LS05	\$ 0.28	Anchor-Electronics	14dip300
	U43	74LS11	1	1	74LS11	\$ 0.25	Anchor-Electronics	14dip300
	U41	74LS27	1	1	74LS27	\$ 0.28	Anchor-Electronics	14dip300
	U35	74LS32	1	1	74LS32	\$ 0.32	Anchor-Electronics	14dip300
	U29, U30, U32, U33, U34	74LS74	5	5	74LS74	\$ 0.35	Anchor-Electronics	14dip300
	U27	74LS139	1	1	74LS139	\$ 0.46	Anchor-Electronics	16dip300
	U4, U6	74LS153	2	2	74LS153	\$ 0.42	Anchor-Electronics	16dip300
	U5, U8	74LS157	2	2	74LS157	\$ 0.38	Anchor-Electronics	16dip300
	U9, U10, U11	74LS165	3	3	74LS165	\$ 0.79	Anchor-Electronics	16dip300
	U18, U19, U20, U21	74LS244	4	4	74LS244	\$ 0.59	Anchor-Electronics	20dip300
	U16, U17	74LS273	2	2	74LS273	\$ 0.52	Anchor-Electronics	20dip300
	U2, U3, U12, U22	74LS373	4	4	74LS373	\$ 0.52	Anchor-Electronics	20dip300
	U14, U15	74LS682N	2	2	74LS682	\$ 2.30	Anchor-Electronics	20dip300
	U40	74S00	1	1	74S00	\$ 0.29	Anchor-Electronics	14dip300
	U39	74S08	1	1	74S08	\$ 0.35	Anchor-Electronics	14dip300

	U13	27C64 EPROM, 8KX8, 5 VOLT, DIP-28, 150 NANOSECONDS	1	1	27C64	\$ 4.25	Anchor- Electronics	28dip600	
	U1	Z80B, 6MHz 5V, Dip-40	1	1	Z80B	\$ 2.95	Anchor- Electronics	40dip600	
	DIP14S (P42, P46)	DIP Socket, Osc, 4-Pins	2	2	133006	\$ 0.65	Jameco	14dip300	
	DIP14	DIP socket 14 (.300"), Dual Wipe	20	20	112214	\$ 0.20	Jameco	14dip300	order qty = 10+
	DIP16	DIP socket 16 (.300"), Dual Wipe	8	10	112222	\$ 0.18	Jameco	16dip300	order qty = 10+
	DIP20	DIP socket 20 (.300"), Dual Wipe	12	20	112248	\$ 0.20	Jameco	20dip300	order qty = 10+
	DIP28	DIP socket 28 (.600"), Dual Wipe	1	1	40301	\$ 0.35	Jameco	28dip600	
	DIP40	DIP socket 40 (.600"), Dual Wipe	1	1	112311	\$ 0.42	Jameco	40dip600	
	P1, P2 (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		