

S-100 68K CPU (v1.03B) V3A

7/5/2018

I have?	I Need?	Ref	Value	BOM_Qty	OrderQty	Part_No	Each	Src	Footprint	Info
		C68, C104	47 pF, Capacitor Monolithic 100 Volt 5% NPO	2	10	332567	\$ 0.19	Jameco	C2	multiples of 10
		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, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C75, C76, C77, C78, C79, C80, C81, C84, C85, C93, C94, C95, C96, C97, C98, C99	0.1 uF, 50 Volt, Monolithic X7R, Radial	64	70	544921	\$ 0.15	Jameco	C2	multiples of 10
		C70, C72	1 uF, 35 Volt, 10%, Radial Tantalum Capacitor	2	2	545596	\$ 0.35	Jameco	C1V5	
		C105	22 uF, 16 Volt, 10%, Radial Tantalum	1	1	545852	\$ 0.69	Jameco	C1V5	
		C106	47 uF, 25 Volt, 10%, Radial Tantalum	1	1	33822	\$ 1.95	Jameco	C1V5	
		C74	100 uF, 25 Volt, Aluminum Radial-Lead, Polarized Electrolytic Capacitor, ($\pm 20\%$) 85°C	1	10	93761	\$ 0.09	Jameco	C1V7	multiples of 10
		JP1, JP2, JP3, JP4, JP5, JP6, JP8, JP9, JP10, JP11, JP12, JP13, JP14, JP15, JP16, J9, J10, J15	Jumper, 2 Position, Unshrouded Header 2.54mm Solder Straight	18		2168211	\$ 0.59	Jameco	SIL-2	order 40 Pin strips
		K3, K4, K5, K6, K7, K8, K9	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight	7		2168211	\$ 0.59	Jameco	SIL-3	order 40 Pin strips
		K1, K2	Jumper, 4 Position, Unshrouded Header 2.54mm Solder Straight	2		2168211	\$ 0.59	Jameco	SIL-4	order 40 Pin strips
		J14	Jumper, 2x2 Position, Unshrouded Header, 2.54mm, Solder Straight	1		53532	\$ 0.85	Jameco	pin_array_2X2	Buy 20x2pins and cut down
		P6	Jumper, 3x2 Position, Unshrouded Header, 2.54mm, Solder Straight	1		53532	\$ 0.85	Jameco	pin_array_3X2	Buy 20x2pins and cut down
		JB1, JB2, P5	Jumper, 5x2 Position, Unshrouded Header, 2.54mm, Solder Straight	3		53532	\$ 0.85	Jameco	pin_array_5x2	Buy 20x2pins and cut down
		J13, P2	Jumper, 8x2 Position, Unshrouded Header, 2.54mm, Solder Straight	2		53532	\$ 0.85	Jameco	pin_array_8x2	Buy 20x2pins and cut down
		D3	1N4148 (1N914)	1	10	36038	\$ 0.04	Jameco	D3	multiples of 10
		D1	LED, Green T-1 3/4, 25mcd 565nm	4	10	333227	\$ 0.10	Jameco	LEDV	multiples of 10
		D2	LED, Yellow Diffused T-1 3/4, 29mcd 585nm	4	10	697549	\$ 0.09	Jameco	LEDV	multiples of 10
		D4	LED, Blue, T-1 3/4, 50mcd, 468nm	4	4	2006764	\$ 0.69	Jameco	LEDV	
		D6	LED, Red Diffused T1 3/4, 19mcd 635nm	4	10	697522	\$ 0.09	Jameco	LEDV	multiples of 10
		Q1	2N3904 NPN General Purpose	1	10	178597	\$ 0.14	Jameco	TO92-INVERT	multiples of 10
		R36, R37, R38, R39	10 Ohm 5% 1/4W, Carbon Film (CF)	4	10	690380	\$ 0.10	Jameco	R3	multiples of 10

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	R28	150 Ohm 5% 1/4W, Carbon Film (CF)	1	10	690662	\$ 0.10	Jameco	R3	multiples of 10
	R8, R10	220 Ohm 5% 1/4W, Carbon Film (CF)	2	10	690700	\$ 0.10	Jameco	R3	multiples of 10
	R32, R34	470 Ohm 5% 1/4W, Carbon Film (CF)	2	10	690785	\$ 0.10	Jameco	R3	multiples of 10
	R12, R27	1K Ohm 5% 1/4W, Carbon Film (CF)	2	10	690865	\$ 0.10	Jameco	R3	multiples of 10
	R1	2.2K Ohm 5% 1/4W, Carbon Film (CF)	1	10	690945	\$ 0.10	Jameco	R3	multiples of 10
	R6, R7, R11, R30, R31	4.7K Ohm 5% 1/4W, Carbon Film (CF)	5	10	691024	\$ 0.10	Jameco	R3	multiples of 10
	R4	10K Ohm 5% 1/4W, Carbon Film (CF)	1	10	691104	\$ 0.10	Jameco	R3	multiples of 10
	RR4, RR5	1K Ohm SIP 10 pin, 9 Resistors	2	2	97877	\$ 0.29	Jameco	r_pack9	
	RR1, RR3	2.2K Ohm SIP 10 pin, 9 Resistors	2	2	97893	\$ 0.29	Jameco	r_pack9	
	RR2	4.7K Ohm SIP 10 pin, 9 Resistors	1	1	24660	\$ 0.29	Jameco	r_pack9	
	SW2	DIP Switch, 8 Position, Raised Slide, SPST, 2.5mm Pitch	1	1	696984	\$ 0.99	Jameco	SWDIP8	
	U29	Clock Oscillator, DIP-14, 5V, 2.00 MHz	1	1	27924	\$ 1.49	Jameco	14dip300	
	U43	Clock Oscillator, DIP-14, 5V, 10 to 12 MHz	1					14dip300	
	U25, U26	28C256-15	2	2	74843	\$ 5.49	Jameco	28dip600	
	U21, U22	62256LP-70, 32KX8 STATIC RAM, 70 NANOSECONDS, 5 VOLT, DIP-28	2	2	82472	\$ 2.49	Jameco	28dip600	
	U24	68000D, 68HC000	1					64dip900	
	U30	74ACT74	1	1	74ACT74	\$ 0.48	anchor-electronics.com	14dip300	
	U46	74F02	1	1	286993	\$ 0.59	Jameco	14dip300	
	U36	74F10	1	1	74F10	\$ 0.28	anchor-electronics.com	14dip300	
	U11, U13, U16, U35, U38, U39	74LS00	6	6	46252	\$ 0.79	Jameco	14dip300	
	U57	74LS02	1	1	46287	\$ 0.49	Jameco	14dip300	
	U7, U8, U12, U42	74LS04	4	4	283792	\$ 0.65	Jameco	14dip300	
	U69	74LS05	1	1	46341	\$ 0.79	Jameco	14dip300	
	U9	74LS07	1	1	46367	\$ 0.89	Jameco	14dip300	
	U70	74LS08	1	1	46375	\$ 0.45	Jameco	14dip300	
	U34	74LS10	1	1	46404	\$ 0.69	Jameco	14dip300	
	U10	74LS30	1	1	47458	\$ 0.79	Jameco	14dip300	
	U66	74LS32	1	1	47466	\$ 0.49	Jameco	14dip300	
	U48	74LS33	1	1	74LS33	\$ 0.34	anchor-electronics.com	14dip300	
	U2, U71	74LS74	2	2	48004	\$ 0.49	Jameco	14dip300	

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	U31	74LS109	1	1	46421	\$ 1.19	Jameco	16dip300	
	U47	74LS139	1	1	46623	\$ 0.69	Jameco	16dip300	
	U51	74LS148	1	1	46682	\$ 1.19	Jameco	16dip300	
	U33	74LS151	1	1	46703	\$ 0.79	Jameco	16dip300	
	U17, U41	74LS164	2	2	46851	\$ 0.69	Jameco	14dip300	
	U49	74LS174	1	1	46931	\$ 0.49	Jameco	16dip300	
	U37, U50	74LS175	2	2	46957	\$ 0.79	Jameco	16dip300	
	U45	74LS240	1	1	47141	\$ 0.69	Jameco	20dip300	
	U18, U20	74LS244	2	2	47183	\$ 0.69	Jameco	20dip300	
	U19, U23	74LS245	2	2	47212	\$ 0.79	Jameco	20dip300	
	U14, U55	74LS352	2	2	74LS352	\$ 0.54	anchor-electronics.com	16dip300	
	U40, U72	74LS367	2	2	47562	\$ 0.99	Jameco	16dip300	
	U27, U28, U32	74LS373	3	3	47600	\$ 0.69	Jameco	20dip300	
	U15	74LS682N	1	1	309260	\$ 1.95	Jameco	20dip300	
	(Alternate for LM323K at U60)	EzSBC PSU5, 5V 3A Drop-in replacement of LM323K (Alternate for LM323K at U60)	1	1	PSU5	\$ 8.95	EzSBC.com	TO3	
	U60	LM323K	1	1	23667	\$ 6.95	Jameco	TO3	
	U60	Heat Sink Passive TO-3	1	1	151547	\$ 1.49	Jameco		
	U60	Screw, 6-32, 3/8" Phillips	2						
	U60	NUT, HEX, 6-32	2						
	DIP14S (U43)	DIP Socket, Osc, 4-Pins	1	1	133006	\$ 0.65	Jameco	14dip300	
	DIP14	DIP socket 14	25	30	112214	\$ 0.14	Jameco	14dip300	multiples of 10
	DIP16	DIP socket 16	11	20	112222	\$ 0.20	Jameco	16dip300	multiples of 10
	DIP20	DIP socket 20	9	10	112248	\$ 0.17	Jameco	20dip300	multiples of 10
	DIP28 (.600")	DIP socket 28 (.600") 28 Pin, Machine Tooled, Low Profile, Soldertail	4	4	40328	\$ 1.19	Jameco	28dip600	
	DIP64 (.900")	DIP socket 64 (.900")	1					64dip900	
	Card Ejector	Circuit Board Card Ejector, 0.062 inch, Nylon, White, BIVAR PN# CP-06 WE	2	2	749-CP-06-WE	\$ 0.49	Mouser		