

S100 16MB SRAM V6.0

Update on 10-30-2017 by Richard R. Pope

12/25/2015

I have?	I Need?	Ref	Value	BOM Qty	OrderQty	Part_No	Each	Src	Footprint	Info
		C7-C30, C36-C43	.1 uF, 50 Volt Monolithic, Epoxy Dipped Capacitor	43		25525	\$ 0.15	Jameco	C2	
		C1	0.33uF 16V Tantalum	1		810-FK18X7R1C334K	\$ 0.32	Mouser	C1V5	
		C2	10uF 10V Tantalum	1		1938421	\$ 0.39	Jameco	C1V5	
		C3	.1 uF, 50 Volt Monolithic, Epoxy Dipped Capacitor	1		25525	\$ 0.15	Jameco		
		C4	10uF 6V Tantalum	1		1938471	\$ 0.55	Jameco		Quantities of 5
		JP1-JP3, JP8	Jumper, 2 Position, Unshrouded Header 2.54mm Solder Straight Straight cut to fit	1		68339	\$ 0.49	Jameco	SIL-2	order 36 Pin strip
		K1-K7	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight cut to fit	1		68339	\$ 0.49	Jameco	SIL-3	order 36 Pin strip
		P2-P3	Header, 40 Pin (2x20), Right Angle, Shrouded Header, .100" LS	3		517-N2540-5002RB	\$ 3.10	Mouser	PIN_ARRAY_20 X2	
		RR1	1K Ohm SIP 10pin, 9 Resistors	1		97877	\$ 0.17	Jameco	r_pack9	
		R1-R5, R10	470 Ohm 5% 1/4W	6		690785	\$ 0.04	Jameco	R3	
		R6-R7	1K Ohm 5% 1/4W	2		690865	\$ 0.04	Jameco	R3*	
		SW2-SW4	DIP Switch, 8-Pos, On-Off, SPST, Raised Rocker	3		696917	\$ 1.39	Jameco	16dip300	
		D1	LED, Blue, Diffused T-1 3/4, 50mcd, 468nm	1		2006764	\$ 0.69	Jameco	LEDV	
		D2	LED, Red Diffused T1 3/4, 19mcd 635nm	1		697522	\$ 0.09	Jameco	LEDV	
		D3	LED, Green Diffused T-1 3/4, 25mcd 565nm	1		333227	\$ 0.10	Jameco	LEDV	
		D4	LED, Red Diffused T1 3/4, 19mcd 635nm	1		697522	\$ 0.09	Jameco	LEDV	
		D5	LED, Green Diffused T-1 3/4, 25mcd 565nm	1		333227	\$ 0.10	Jameco	LEDV	
		D10	LED, Yellow Diffused T-1 3/4, 29mcd 585nm	1		697549	\$ 0.09	Jameco	LEDV	
		U1	L7805CV 5 Volt 1.5 Amp, TO-220	1		924633	\$ 0.45	Jameco	LM78XX	
		U3	L3940 3.3 Volt 1.5 Amp, TO-220	1		192524	\$ 1.49	Jameco	TO220	
		U1	D24V22F5 (Alternate for LM7805CV at U1) Pololu 5V 2.5A Step-Down Voltage Regulator	1		D24V22F5	\$ 10.95	Pololu		
		U3	D24V22F3 (Alternate for LM3940 at U3) Pololu 3.3V 2.5A Step-Down Voltage Regulator	1		D24V22F3	\$ 10.95	Pololu		
		U2 U23 U24	74LS244	3		308312	\$ 0.69	Jameco		
		U4	74LS139	1		46623	\$ 0.69	Jameco		
		U6	74LS08	1		46375	\$ 0.69	Jameco		
		U9	74F240	1		595-SN74F240N	\$ 0.89	Mouser	20dip300	
		U10	74LS01	1		47141	\$ 0.69	Jameco	20dip300	

	U12, U13	74F11	2	595-SN74F11N	\$ 0.62	Mouser	14dip300	
	U14, U17	74F08	2	287013	\$ 0.59	Jameco	24dip300	
	U19, U22, U31	74LS245 or 74LS645	3	47212	\$ 0.79	Jameco	14dip300	
	U25	74LS02	1	46287	\$ 0.49	Jameco		
	U27	74LS165	1	46877	\$ 0.65	Jameco		
	U30	74F27	1	595-SN74F27N	\$ 0.47	Mouser		
	IC1, IC2	74LS682	2	309260	\$ 1.95	Jameco		
	DIP14	DIP Machined Socket 14-Pin	9	37197	\$ 0.65	Jameco	14dip300	
	DIP16	DIP Machined Socket 16-Pin	5	37402	\$ 0.75	Jameco	16dip300	
	DIP20	DIP Machined Socket 20 (0.300")	10	38623	\$ 0.89	Jameco	20dip300	
	U1, U3	Heat Sink Passive TO-220 (for LM7805)	2	129242	\$ 0.65	Jameco		
	U1, U3	TO-220 Heat Sink Mounting Kit	2	2227284	\$ 1.29	Jameco		
	Card Ejector	Circuit Board Card Ejector, 0.062 inch, White Nylon, BIVAR PN# CP-06 WE	2	749-CP-06-WE	\$ 0.49	Mouser		

Sub-Total