

S-100 4MB RAM Board V01

BOM revised with active and in stock (as of Feb 22nd, 2017) components at Digikey.com (except when noted otherwise)

by Suavek® <http://www.eskwadrat.com>

Supplier search order: 1. Digiey 4. Mouer  
2. Jameco 5. eBay  
3. Newark 6. others

Digikey cost ea.	p/n at Digikey	Reference Designator	Value	BOM Qty	OrderQty	Part_No #	Each	Source	Footprint	Info
\$0.700	TAP334K035SRW	C1	0.33 uF, 35 Volt Tant	1					C1V5	
\$0.630	TAP104K035SCS	C3	0.1 uF, 35 Volt Tant	1					C1V5	
\$0.112	399-9877-1-ND	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 C42 C43	0.1 uF, 50 Volt, Monolithic Z5U, Radial	32					C2	
\$0.380	754-1264-ND	D2,D4,D10	LED RED	3						8-BIT RD/WR&WAIT
\$0.380	754-1263-ND	D1,D6,D7,D8,D9	LED GREEN	5					LEDV	RAM SEL/CS
\$0.390	754-1284-ND	D3,D5	LED YELLOW	2						16-BIT RD/WR
N/A	WIRE	JP4 JP5 JP6 JP7	JUMPER, Wire	4					R3	
\$0.145	PRPC002SAAN-RC	JP1 JP2 JP3 JP8 P55	Jumper, 2 Position, Unshrouded Header 2.54mm Solder Straight	5					pin_array_2X1	
\$0.180	PRPC003SAAN-RC	K1	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight	1					pin_array_3X1	
\$0.235	PRPC008SAAN-RC	P49 P50 P51 P52 P53 P54	Jumper, 8 Position, Unshrouded Header 2.54mm Solder Straight	6					SIL-8	
\$0.100	RNF14FTD470R	R1 R2 R3 R4 R5 R9 R10 R11 R12 R13	470 Ohm 5% 1/4W	10					R3	
\$0.640	4610X-101-102LF	RR1	1.1K Ohm SIP 10pin, 9 Resistors	1					r_pack9	
\$1.470	76SB08T	SW2 SW3 SW4	DIP Switch, 8-Pos, On-Off, SPST, Raised Rocker	3					SWDIP8	
\$0.200	EBAY	U10	74LS01	1					14dip300	
\$0.950	SN74ALS11AN	U12 U13	74LS11	2					14dip300	
\$0.810	SN74ALS08N	U14 U17	74LS08	2					14dip300	
\$0.820	SN74ALS02AN	U15	74LS02	1					14dip300	
\$0.890	SN74ALS32N	U25	74LS32	1					14dip300	
\$1.070	SN74LS27N	U30	74LS27	1					14dip300	
\$1.030	SN74ALS139N	U4	74LS139	1					16dip300	
\$0.950	SN74ALS165N	U27	74LS165	1					16dip300	
\$1.150	SN74ALS244CN	U2 U23 U24	74LS244	3					20dip300	
\$1.230	SN74ALS240AN	U9 U28	74LS240	2					20dip300	
\$1.150	SN74ALS245AN	U19 U22 U31	74LS245	3					20dip300	
\$2.360	SN74LS682N	IC2 IC3	74LS682	2					20dip300	
\$4.570	AS6C4008-55PCN	U100 U101 U102 U103 U104 U105 U106 U107	AS6C4008-55PCN SRAM 512Kx8	8	8	913- AS6C4008- 55PCN	\$ 4.56	Mouser	32dip600	FOR 1MB RAM BUY ONLY 2 PC
\$0.620	LM7805CT	U1	LM7805	1					TO220	
\$0.210	507302B00000G	U1	Heatsink THM 6073	1						
	OWNED	U1	NUT, HEX, 6-32	1						
	OWNED	U1	Screw, 6-32, 3/8" Phillips	1						
\$0.540	SA143000	DIP14	DIP socket 14-Pin	8					14dip300	
\$0.750	SA163000	DIP16	DIP socket 16-Pin	2					16dip300	
\$0.819	SA203000	DIP20	DIP socket 20-Pin	10					20dip300	
\$1.390	SA326000	DIP32 (.600" Wide)	DIP socket 32-Pin (.600" Wide)	8					32dip600	

\$0.370	749-CP-06-WE (Mouser)	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		
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