

S100 IDE/CF Board V3

Supplier search order: 1. Digikey 4. Mouser
 2. Jameco 5. eBay
 3. Newark 6. others

6/20/2015

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

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Digikey cost ea.	p/n at Digikey	Ref	Value	BOM Qty	OrderQty	Part No	Each	Src	Footprint	Info
\$3.180	TAP336K025SCS	C101	33 uF, 25 Volt 10% Radial Tantalum	1	1	2044074	\$ 2.59	Jameco	C1V5	
\$0.730	TAP105K035CRW	C102	1 uF, 35 Volt, 10% Radial Tantalum	1	1	33662	\$ 0.39	Jameco	C1V5	
\$0.112	399-9877-1-ND	C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131	0.1 uF, 50 Volt, Monolithic X7R, 10% Radial	29	30	767658	\$ 0.07	Jameco	C2	multiples of 30
\$0.140	1N4001-T	D104	1N4001, 50 Volt 1 Amp Silicon Rectifier Diode	1	10	35975	\$ 0.05	Jameco	D5	multiples of 10
\$0.380	754-1264-ND	D103, D105, D106, D109, D110, D111	LED, Red Diffused T1 3/4, 19mcd 635nm	6	10	697522	\$ 0.09	Jameco	LEDV	multiples of 10
\$0.390	754-1284-ND	D108, D112	LED, Yellow Diffused T-1 3/4, 29mcd 585nm	2	10	697549	\$ 0.09	Jameco	LEDV	multiples of 10
\$0.380	754-1263-ND	D102, D107	LED, Green T-1 3/4, 25mcd 565nm	2	10	333227	\$ 0.10	Jameco	LEDV	multiples of 10
\$0.390	732-5015-ND	D101	LED, Blue, T-1 3/4, 50mcd, 468nm	1	1	2006764	\$ 0.69	Jameco	LEDV	
\$4.500	EBAY(polida2008)	DIS101, DIS102, DIS103, DIS104, DIS105, DIS106	TIL-311, HEXADECIMAL DISPLAY WITH LOGIC, DISPLAY 4-BIT BINARY DATA	6				UTSource or ACP Surplus	14dip300	
\$0.145	PRPC002SAAN-RC	JP101, JP102, JP103	JUMPER, 2 Position, Unshrouded Header 2.54mm Solder Straight	3		68339	\$ 0.49	Jameco	SIL-2	order 36 Pin strip
\$0.180	PRPC003SAAN-RC	K101, K102, K103, K104, K105, K106, K107, K108, K109, K110	Jumper, 3 Position, Unshrouded Header 2.54mm Solder Straight	10		68339	\$ 0.49	Jameco	SIL-3	order 36 Pin strip
\$0.480	302-S401	P101, P104, P105	Header, 40 Pin (2x20), Right Angle, Shrouded Header, .100" LS	3		517-N2540-3 5002RB	\$ 3.10	Mouser	PIN_ARRAY_20X2	
\$0.210	PRPC005SAAN-RC	P107	Jumper, 5 Position, Unshrouded Header 2.54mm Solder Straight	1		68339	\$ 0.49	Jameco	PIN_ARRAY_5x1	order 36 Pin strip
\$0.100	RNF14FTD1K10	R102, R104	1.1K Ohm 5% 1/4W	2	100	690873	\$ 0.04	Jameco	R3	multiples of 100
\$0.100	RNF14FTD470R	R101, R103, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117	470 Ohm 5% 1/4W	15	100	690785	\$ 0.04	Jameco	R3	multiples of 100
\$0.100	RNF14FTD1K00	R118	1K Ohm 5% 1/4W	1	100	690865	\$ 0.04	Jameco	R3*	multiples of 100
\$0.660	4609X-101-103LF	RR101	1K Ohm SIP 10pin, 9 Resistors	1	1	97877	\$ 0.17	Jameco	r_pack9	
\$0.980	76SB02T	SW101	DIP Switch, 2-Pos, On-Off, SPST, Raised Rocker	1	1	109059	\$ 0.75	Jameco	DIPS-DS02	
\$1.470	76SB08T	SW102	DIP Switch, 8-Pos, On-Off, SPST, Raised Rocker	1	1	696917	\$ 1.39	Jameco	16dip300	
	NOT USED	U101	LM323K Regulator 5 Volt 3 Amp TO-3	1	1	23667	\$ 4.75	Jameco	TO3	
	NOT USED	U101	Heat Sink Passive TO-3 (for LM323)	1	1	189835	\$ 1.29	Jameco	TO3	
	OWNED	U101 or Vol_Reg101	Screw, 6-32, 3/8" Phillips (for LM323 or D24V25F5)	2						
	OWNED	U101 or Vol_Reg101	NUT, HEX, 6-32 (for LM323 or D24V25F5)	2						
	NOT USED	Vol_Reg101	D24V25F5 (Alternate for LM323 at U101) Pololu 5V 2.5A Step-Down Voltage Regulator	1	1	D24V25F5	\$ 10.95	Pololu	PIN_ARRAY_5x1	
\$0.440	L7805CV	U118	L7805CV 5 Volt 1.5 Amp, TO-220 (Alternate for LM323 at U101)	1	1	924633	\$ 0.45	Jameco	LM78XX	
\$0.210	507302B00000G	U118	Heat Sink Passive TO-220 (for LM7805)	1	1	129242	\$ 0.65	Jameco		
	OWNED	U118	Screw, 6-32, 3/8" Phillips (for LM7805)	1						
	OWNED	U118	NUT, HEX, 6-32 (for LM7805)	1						

\$0.870	SN74LS06N	IC101	74LS06N	1	1	46359	\$ 0.75	Jameco	14dip300	
\$1.660	ATF22V10C-15PU	U102, U103	GAL22V10-15 (or PALCE22V10)	2	2	39159	\$ 3.75	Jameco	24dip300	
\$1.150	SN74ALS244CN	U104, U105	74LS244	2	2	47183	\$ 0.65	Jameco	20dip300	
\$0.200	EBAY	U106	74LS01	1					14dip300	
\$0.950	SN74ALS165N	U107	74LS165	1	1	46877	\$ 0.65	Jameco	16dip300	
\$1.110	SN74ALS373AN	U108, U117	74LS373	2	2	47600	\$ 0.69	Jameco	20dip300	
\$5.990	CP82C55A-5Z	U109	8255AC-5, Programmable Peripheral Interface 40-Pin PDIP	1	1	291805	\$ 4.75	Jameco	40dip600	
\$0.810	SN74ALS04BN	U110	74LS04	1	1	46316	\$ 0.49	Jameco	14dip300	
\$1.230	SN74ALS240AN	U111	74LS240	1	1	47141	\$ 0.69	Jameco	20dip300	
\$0.870	SN74ALS74AN	U112	74LS74	1	1	48004	\$ 0.45	Jameco	14dip300	
\$0.950	SN74LS07N	U113	74LS07N	1	1	46367	\$ 0.75	Jameco	14dip300	
\$3.330	GD74LS154 (Utsource.net)	U114	74LS154	1	1	46738	\$ 4.95	Jameco	24dip600	
\$0.890	GD74LS154	U115, U116	74LS00	2	2	46252	\$ 0.45	Jameco	14dip300	
\$0.540	GD74LS154	DIP14	DIP socket 14	13	20	526192	\$ 0.16	Jameco	14dip300	multiples of 10
\$0.750	SA163000	DIP16	DIP socket 16	1	10	112222	\$ 0.20	Jameco	16dip300	multiples of 10
\$0.819	SA203000	DIP20	DIP socket 20	5	20	112248	\$ 0.17	Jameco	20dip300	multiples of 10
\$1.120	SA243000	DIP24 (.300")	DIP socket 24 (.300")	2	10	112282	\$ 0.27	Jameco	24dip300	multiples of 10
\$2.000	SA246000	DIP24 (.600")	DIP socket 24 (.600")	1	10	683198	\$ 0.25	Jameco	24dip600	multiples of 10
\$1.730	SA406000	DIP40	DIP socket 40	1	10	526272	\$ 0.37	Jameco	40dip600	multiples of 10
\$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		