

S100 9-Slot Motherboard v4

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

BOM CAPTURED with active and in stock (as of Feb 20th, 2017) components at Digikey.com
 by Suavek® <http://www.eskwadrat.com>

Digikey cost ea.	p/n at Digikey	Ref	Value	BOM Qty	OrderQty	Part_No	Each	Src	Footprint	Info
	100.125 (Anchor E.)	Slot1-9	S-100 Connector. 0.25" row spacing	9						Base Build
	WM9130-ND	P1	6 Position Connector. 0.200" (5.08mm)	1						Base Build
	WM9126-ND	P1-plug	plug	1						Base Build
	WM18820-ND	P1-pins	crimp pins	6						Base Build
	A106606-ND	P2	6 Position Connector. 0.156"	1						Base Build
	A30505-ND	P2-plug	plug	1						Base Build
	A100446CT-ND	P2-pins	crimp pins	6						Base Build
	Eg. Digikey p/n: F5580TR-ND	F1-F3	Micro fuses for P1 Connector. See text	3						Base Build
	Eg. Digikey p/n: F5580TR-ND	F4-F6	Micro fuses for P2 Connector. See text	3						Base Build
	WP7113ID, WP7113GD, WP7113YD	D1-D3	LED's. Your favorite type.	3						Base Build
	RNF14FTD4K75	R15	4.7K Resistor	1						Base Build
	RNF14FTD20K0	R16, 17	20K Resistor	2						Base Build
	PRPC002SAAN-RC	JP1-3	2 Pin 0.100" Pin Header	3						Base Build
	3M9580-ND	JP1-3 jumper	Mini-Jumpers	3						Base Build
	TAP476K025CCS	C1,C3	39uF / 25V Tantalum Capacitor (47uF used)	2						Active Termination
	TAP474M035SCS	C2	0.47uF / 6.3V Tantalum Capacitor (35V used)	1						Active Termination
	TAP476K006SCS	C4-C8	39uF / 6.3V Tantalum Capacitor (47uF used)	5						Active Termination
	LM7805CT	IC1	LM7805 Voltage Regulator. Positive 5 Volts. TO-220	1						Active Termination
	LM4250CN/NOPB	IC2	LM4250 Op Amp	1						Active Termination
	SA083000	IC2 socket	DIL-8	1						Active Termination
	2N3906-AP	Q1	2N3906 PNP Transistor TO-92	1						Active Termination
	2N3904-AP	Q2	2N3904 NPN Transistor TO-92	1						Active Termination
	TIP29-BP	Q3	TIP29 NPN Power Transistor TO-220	1						Active Termination
	TIP30C	Q4	TIP30 PNP Power Transistor TO-220	1						Active Termination
	987-1065-ND	R1	2K Trimmer POT. 0.100" spacing, 0.100" row offset	1						Active Termination
	RNF14FTD150K	R2	150K Resistor	1						Active Termination
	RNF14FTD562R	R3, R5	560 Ohm Resistor	2						Active Termination
	RNF14FTD1K00	R4, R8	1K Resistor	2						Active Termination
	RNF14FTD909R	R6, R7	910 Ohm Resistor	2						Active Termination
	RNF14FTD1K82	R9, R10	1.8K Resistor	2						Active Termination
	4609X-101-271LF	RN1-12	270 Ohm Resistor Network. 9 pin (8 Resistors Bussed)	12						Active Termination
	PRPC019DAAN-RC	Headers 2x19	(2x20 used, cut off 1 row) cheaper, detachable termination	3						Active Termination
	PPTC202LFBN-RC	Females 2x19	(2x20 used, cut off 1 row) cheaper, detachable termination	3						Active Termination

