

Table 1

Parts List				
Component	Qty	Jameco	DigiKey	Notes
S-100 Backplane PCB	1	N/A	N/A	Order from Todd Goodman
S-100 Female Connectors	8		EDC346102-N	See doc for sources S-100 Connectors.rtf
R1		854452	D4AA23-ND	2K POT (DigiKey part is a bit small for the PCB footprint. You will have to stretch the pins a bit to get it to fit.
R2	1	CF1/4W154JRC	CF14JT150KCT-ND	150K Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Brown-green-Yellow
R3,5	2	CF1/4W561JRC	CF14JT560RCT-ND	560 Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Green-Blue-Brown
R4,8	2	CF1/4W102JRC	CF14JT1K00CT-ND	1K Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Brown-Black-Red
R6,7	2	CF1/4W911JRC	CF14JT910RCT-ND	910 Ohm Carbon Fiber Resistor, 1/4 Watt, 5% White-Brown-Brown
R9,10	2	CF1/4W182JRC	CF14JT1K80CT-ND	1.8K Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Brown-Grey-Red
R11-14	4	CF1/4W271JRC	CF14JT270RCT-ND	270 Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Red-Purple-Brown
R15	1	CF1/4W472JRC	CF14JT4K70CT-ND	4.7K Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Orange-Purple-Red
R16,17	2	CF1/4W203JRC	CF14JT4K70CT-ND	20K Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Red-Black-Orange
R18	1	CF1/4W471JRC	CF14JT470RCT-ND	470 Ohm Carbon Fiber Resistor, 1/4 Watt, 5% Yellow-Purple-Brown
RR1-10	10	4310R-101-271LF	4310R-1-271LF-ND	270 Ohm Resistor network - 9 pins
C1,3-8	7	UPW1V390MDD	493-1857-ND	39uf Radial Capacitor 35V 5x15mm
C2	1	UVR2AR47MDD	493-1397-ND	0.47uf Radial Capacitor 100V
D1-3	3	LTL-307G	160-1702-ND	LED 565mm T1 3/4 Green (Any color will do. Your choice)
F1-3	3	199938		Resettable Fuse 1.6A
P1	1		WM4655-ND	CONN HEADER 6POS 5.08MM VERT TIN
P2	1		WM9126-ND	Molex CONN HOUSING 6POS 5.08MM
p2 Pins	6	792888	WM18820-ND	CONN TERM FEMALE 18-24AWG TIN You'll need six pins per housing
IC1	1	51262	BA17805T-ND	Standard Regulator 5 Volt 1A 3-Pin (3+Tab) TO-220
IC2	1		LM4250CN-ND	IC OP AMP PROGRAM 8-DIP
Q1	1	38360	2N3904-APCT-ND	TRANSISTOR NPN GP 40V TO92
Q2	1	783455	2N3906-APCT-ND	TRANSISTOR PNP GP 40V TO92
Q3	1	33021	497-2580-5-ND	TRANSISTOR NPN 60V 1A TO-220
Q4	1	33030	TIP30C-ND	TRANS PNP GP 100V 1A TO-220
	3	326596	HS115-ND	TO-220 Heat Sink Low Profile
SW1	1	162886	SW400-ND	Switch Tactile N.O. SPST Flat Plunger PC Pins