

## S-100 FPGA V2 Shield #1

8/18/2020

I have?	I Need?	Reference #	Value	BOM_Qty	OrderQty	Part_No	Each	Source	Footprint	Info
		C5 C6 C7 C8 C9 C10 C11 C12	0.1 uF, 25 Volt, Monolithic X7R, Radial	8	10	544921	\$ 0.19	Jameco	C2	multiples of 10
		C1 C2 C3 C4	1µF, 25V, 20%, Aluminum Capacitor, Radial	4	4	330431	\$ 0.25	Jameco	C1V5	
		D1	LED, Red Diffused, 65mcd 660 nm, T-1	1	10	333851	\$ 0.12	Jameco	LEDV	multiples of 10
		P1 P2 P3 P5 P7 P14 P53	Test Pin, 1 Position, Unshrouded Header, Solder, Straight	7		160882	\$ 0.75	Jameco	SIL-1	buy 40 Pin strips, cut to size
		K1 K2 K3 K4 ROT_ENC1	Jumper, 3 Position, Unshrouded Header, 2.54mm, Solder, Straight	5		160882	\$ 0.75	Jameco	SIL-3	buy 40 Pin strips, cut to size
		P9	Jumper, 6 Position, Unshrouded Header, 2.54mm, Solder, Straight	1		160882	\$ 0.75	Jameco	SIL-6	buy 40 Pin strips, cut to size
		P12 P15 P16 P17 P18 P19 P65	Jumper, 8 Position, Unshrouded Header, 2.54mm, Solder, Straight	7		160882	\$ 0.75	Jameco	SIL-8	buy 40 Pin strips, cut to size
		P8	Jumper, 16 Position, Unshrouded Header, 2.54mm, Solder, Straight	1		160882	\$ 0.75	Jameco	SIL-16	buy 40 Pin strips, cut to size
		P37 P39	Jumper, 2x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	2		53532	\$ 0.85	Jameco	pin_array_2X2	Buy 20x2pins and cut down
		P10 P23 P30	Jumper, 4x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	3		53532	\$ 0.85	Jameco	pin_array_4X2	Buy 20x2pins and cut down
		P6 P13	Jumper, 5x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	1		53532	\$ 0.85	Jameco	pin_array_5X2	Buy 20x2pins and cut down
		P4 P11 P21 P60 P61	Jumper, 8x2 Position, Unshrouded Header, 2.54mm, Solder, Straight	5		53532	\$ 0.85	Jameco	pin_array_8X2	Buy 20x2pins and cut down
		J1	Connector, DE15F, High Density, D-Subminiature, Female, 15 Position, Solder, Right Angle, W/O Jack Screw, VGA	1	1	1952273	\$ 0.29	Jameco	Conn_Dsub_DE15F	
		R1 R2 R4	150 Ohm 5% 1/4W, (CF)	3	10	690662	\$ 0.06	Jameco	R3	multiples of 10
		R6 R7	680 Ohm 5% 1/4W, (CF)	2	10	690822	\$ 0.06	Jameco	R3	multiples of 10
		R3 R5	1K Ohm 5% 1/4W, (CF)	2	10	690865	\$ 0.06	Jameco	R3	multiples of 10
		RR1	470 Ohm SIP 6 pin, 5 Resistors, 125 mWatt, 2%	1	1	264-470-RC	\$ 0.29	Mouser	r_pack5	
		RV1	POT, 50K OHMS Trimmer Resistor, Through Hole, 1/4"SQ, 10%, 0.5WATTS	1	1	652-3362H-1-503LF	\$ 1.02	Mouser	~	
		P8	LCD Display, 16x2 Character, White on Blue, 5V	1	1	2160374	\$ 10.95	Jameco	SIL-16	
		U4	AT25128-10PC2.7, EEPROM, 128Kb (16K x 8) SPI Serial 3MHz, 2.7-5.5V	1	1	2286231	\$ 2.49	Jameco	8dip300	
		U1	MAX232N, Dual Driver/Receiver, TIA/EIA-232, 16-pin DIP	1	1	698576	\$ 1.35	Jameco	16dip300	

		U2	MCP42010 Dual Digital Potentiometer, 256 Position, 10K Ohm, 14-Pin	1	1	241752	\$ 2.09	Jameco	14dip300	
		U3	24LC256-I-P, EEPROM 256KB (32Kx8), I2C, 400kHz, 2.5V to 5.5V, DIP-8	1	1	2300471	\$ 0.85	Jameco	8dip300	
		DIP8	DIP socket, 8 Pins	2	2	112206	\$ 0.25	Jameco	8dip300	
		DIP14	DIP socket, 14 Pins	1	1	112214	\$ 0.25	Jameco	14dip300	
		DIP16	DIP socket, 16 Pins	1	1	112222	\$ 0.25	Jameco	16dip300	