

Note: Part numbers, manufacturers, and vendors are typical of what is supplied. Substitutions may be made based on availability at time of ordering.

PROCESSOR CARD

<u>Qty</u>	<u>Description</u>		<u>Manufacturer</u>	<u>Manufacturer #</u>	<u>Vendor</u>	<u>Vendor #</u>
<u>Integrated Circuits</u>						
1	CDP1802A COSMAC Processor	U2	Harris	CDP1802AEX	Rochester	CDP1802AEX
1	62256 type 32Kx8 Static RAM	U5	Sharp	LM62256L-70	Jameco	82472
1	28C256 type 32Kx8 EEPROM	U6	Atmel	28C256-25	Jameco	74878
1	CD40244 (or 74C244 or 74HC244)	U3	TI	SN74HC244N	Digikey	296-1582-5-ND
1	CD40373 (or 74C373 or 74HC373)	U4	TI	SN74HC373N	Digikey	296-1591-5-ND
1	CD4049	U9	TI	CD4049UBE	Digikey	296-2055-5-ND
1	CD4071	U7	TI	CD4071BE	Digikey	296-2062-ND
1	CD4011	U8	TI	CD4011BE	Digikey	296-2031-ND
1	LM555P (or LMC555 or ICP7555)	U1	Renesas	ICM7555IPAZ	Digikey	ICM7555IPAZ-ND
1	Oscillator module full size	X1	Epson	MXO45-3C-4M000000	Digikey	110-MXO45-3C-4M000000-ND
<u>Discrete Components</u>						
1	LED T1-3/4 Red	D1	Valuepro	UT1871-81-M1-R	Jameco	333973
2	LED T1-3/4 Orange	D2-3	Valuepro	LE3330	Jameco	107393
2	LED T1-3/4 Yellow	D4-5	Valuepro	LY3330	Jameco	34825
3	LED T1-3/4 Green	D6-8	Valuepro	LG3330	Jameco	34761
3	Resistor 1/4 watt 10	R13-15	Stackpole	CF14JT10R0	Digikey	CF14JT10R0CT-ND
2	Resistor 1/4 watt 270	R11-12	Stackpole	CF14JT270R	Digikey	CF14JT270RCT-ND
2	Resistor 1/4 watt 1K	R9,R10	Stackpole	CF14JT1K00	Digikey	CF14JT1K00CT-ND
1	Resistor 1/4 watt 1.5K	R8	Stackpole	CF14JT1K50	Digikey	CF14JT1K50CT-ND
10	Resistor 1/4 watt 4.7K	R1-7,16-17,19	Stackpole	CF14JT4K70	Digikey	CF14JT4K70CT-ND
1	Resistor 1/4 watt 47K	R20	Stackpole	CF14JT47K0	Digikey	CF14JT47K0CT-ND
1	Resistor 1/4 watt 470K	R18	Stackpole	CF14JT470K	Digikey	CF14JT470KCT-ND
1	Diode 1N4148	D9	ON Semi	1N4148	Digikey	1N4148FS-ND
5	Ceramic capacitor 0.1uF radial 0.2"	C1-2,5-7	Valuepro	SR215C104KAA	Jameco	544921
1	Tantalum capacitor 10uF radial 0.1"	C3	AVX	TAP106K010SCS	Digikey	478-1838-ND
<u>Interconnect and Mechanical</u>						
1	Straight header 2 pins 0.1"		Sullins	PREC002SAAN-RC	Digikey	S1012EC-02-ND
8	Straight header 3 pins 0.1"		Sullins	PREC003SAAN-RC	Digikey	S1012EC-03-ND
2	Straight header 9 pins 0.1"		Sullins	PREC009SAAN-RC	Digikey	S1012EC-09-ND
2	Right-angle header 5 pins 0.1"		Sullins	PREC005SBAN-M71RC	Digikey	S1112EC-05-ND
16	Jumper shunts 0.1"		Sullins	STC02SYAN	Digikey	S9000-ND
1	Mini-USB receptable AB		Molex	565790519	Digikey	WM17121-ND
8	LED stand-off spacer		VCC	STD_500_BLK	Jameco	2231371
4	0.5 inch standoff spacer		RAF	2057-440-A	Jameco	133640
4	Screw 4-40 by 1/4 philips		RAF	4-40X1/4PPN	Jameco	2094389
<u>Integrated Circuit Sockets</u>						
1	DIP socket 40 pin 0.6"		On Shore	ED40DT	Digikey	ED3048-5-ND
2	DIP socket 28 pin 0.6"		On Shore	ED28DT	Digikey	ED3052-5-ND
2	DIP socket 20 pin 0.3"		On Shore	ED20DT	Digikey	ED3054-5-ND
1	DIP socket 16 pin 0.3"		On Shore	ED16DT	Digikey	ED3046-5-ND
2	DIP socket 14 pin 0.3"		On Shore	ED14DT	Digikey	ED3045-5-ND
1	DIP socket 8 pin 0.3"		On Shore	ED08DT	Digikey	ED3044-5-ND
1	DIP socket 4 pin in 14 pin frame 0.3"		On Shore	ED14DT	Digikey	ED3045-5-ND
<u>Circuit Board and Expansion</u>						
1	Circuit Board		Madole		JLPCPB	
1	Socket 39 pin 0.1" long tail		Samtec	SSQ-139-03-T-S	Digikey	SAM1206-39-ND