

6502A CPU Board

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1	22uF	Electrolytic capacitor			1
C2	10uF	Electrolytic capacitor			1
C3	100p	Ceramic capacitor			1
C4-10	47n	Ceramic capacitor			7
D1	1N4148	Small signal silicon diode			1
IC1	74S04	Hex inverters	Note 'S' version		1
IC2,3,4	74S163	Synchronous 4-bit counter	Note 'S' version		3
IC5	74LS74	Dual D-type flip flop			1
IC6,19	74LS20	Dual 4-input NAND			2
IC7	6522A	PIA			1
IC8	6502A	2MHz processor			1
IC9,10	74LS244	Octal buffer			2
IC11	2764	8K EPROM			1
IC12	74LS245	Octal buffer			1
IC13	6116	2K x 8bit SRAM			1
IC14	74LS04	Hex inverters			1
IC15	74LS125	Quad bus buffer			1
IC16	74LS86	Quad 2-input XOR			1
IC17	74LS32	Quad 2-input OR			1
IC18	74LS132	Quad 2-input NAND schmitt			1
IC20	74LS139	Dual 2 of 4 decoder			1
LK1 to 3	0.1" Header x 2	Clock selection			3
LK4	0.1" Header x 2	EPROM configuration			1
LK5,6	0.1" Header x 2	1K/2K RAM			2
LK7,8	0.1" Header x 3	EPROM configuration			2
LK9	16-pin Header	EPROM/RAM configuration			1
LK10	0.1" Header x 2	keyboard interrupt			1
PL1	20-way	20-way 3M header			1
PL2	DIN41612 AB 64-way	Right angle plug			1
R1,2,4,5,6,11,12	4k7	250mW resistor			7
R3	100R	250mW resistor			1
R7,8,21	1K0	250mW resistor			3
R9,10	470R	250mW resistor			2
R13	10K	250mW resistor			1
R14,15	120R	250mW resistor			2
R16-20	68R	250mW resistor			5
RP1	2K2	SIL resistor pack 9-way			1
X1	24MHz	Crystal (HC49u)			1
IC1,5,6,14,15,16,17,18,19	14-pin	DIL socket			9
IC2,3,4,20,LK9	16-pin	DIL socket			5
IC9,10,12	20-pin	DIL socket			3
IC13	24-pin	DIL socket			1
IC11	28-pin	DIL socket			1
IC7,8	40-pin	DIL socket			2

Offboard Parts

	5HP 3U	Front panel with handle and fittings		Verotec 957-235349	1
		Panel brackets	or print your own	Verotec 173-12525	pair
	M2.5 x 10mm	Pan head screws			4
	M2.5	Nuts			4