

6809 CPU Board (16V8) BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1	22uF/16V	Electrolytic capacitor (axial)			1
C2-6	100n	Ceramic capacitor			5
C7,8	24p	Ceramic capacitor			2
C9	optional				1
C10	0p5	Ceramic capacitor			1
IC1	6809	8-bit processor	Caution IC1 and 2 are upside down !		1
IC2	6522	PIA			1
IC3,7-9	74LS244	Octal 3-state buffer/line driver/line receiver			4
IC4	2716/2732	2K/4K x 8-bit EPROM			1
IC5,6	2114	1K x 4-bit SRAM			2
IC10	DP8304	8-bit 3-state bidirectional transceiver			1
IC11	ATF16V8B	EEPLD			1
IC12	74LS74	Dual D-type flip-flop			1
IC13,14	74LS00	Quad 2-input NAND gate			2
IC15	74LS86	Quad 2-input XOR gate			1
LK1	Wire link	Connects Keyboard Strobe to CB1	Normally made for CB1		1
LK2	Wire link	Connects Keyboard Strobe to PB7	Normally open for CB1		1
LK3	Wire link	Connects CASIN to PB7	Normally made for PB7		1
LK4	Wire link	Connects CASIN to PA7	Normally open for PB7		1
LK5	Wire link	Selects 2716/2732	Normally open for 2716		1
PL1	20-way	3M header	for Keyboard		1
PL2	26-way	Right angle pin header	for Printer adapter PCB		1
PL3	DIN41612 AB 64-way	Right angle plug	for backplane		1
R1-3	1K0	Resistor 250mW			3
R4	560R	Resistor 250mW			1
R10-15	3K3	Resistor 250mW			6
XTAL	4MHz HC49u	Crystal			1
IC12-15	14-pin	DIL socket			4
IC5,6	18-pin	DIL socket			2
IC3,7-9,10,11	20-pin	DIL socket			6
IC4	24-pin	DIL socket			1
IC1,2	40-pin	DIL socket			2
PCB					1
Printer adapter PCB			optional for printer		1
PL1	26-way	3M header	optional for printer		1
	#4-24 x 5/16"	Self tapping screws			3
Offboard Parts					
	5HP 3U	Front panel with handle and fittings		Verotec 957-235349	1
		Panel brackets	or print your own	Verotec 173-12525	2
	M2.5 x 10mm	Pan head screws			4
	M2.5	Nuts			4