
Appendix A

SK68K Parts List

Integrated Circuits

U1	74LS245 Octal bus transceiver
U2	MC68230P8 Peripheral interface / timer
U3	3.68 MHz oscillator
U4, U10	MC68681 DUART
U5	WD1772 floppy disk controller
U6, U22, U32	7406 Hex inverter/buffer (o.c.)
U7	74LS367 Hex bus driver
U8, U29	1489 RS-232 receiver
U9, U30	1488 RS-232 driver
U11, U24, U31, U33, U76	74LS175 Quad D flip-flop
U12	7442 BCD decoder
U13, U50	74LS74 Dual D flip-flop
U14, U26, U51	74LS32 Quad 2-input OR
U15, U35	74LS00 Quad 2-input NAND
U16	74LS174 Hex D flip-flop
U17, U18	74LS373 Octal latch
U19, U61	74S373 Octal latch
U20, U27	27128 16Kx8 450ns EPROM (or 27256 or 27512)
U21	6116 2Kx8 400ns static RAM
U23, U49	74S74 Dual D flip-flop

U25	74LS322 8-bit shift register
U28	6116 2Kx8 400 ns Static RAM or MK48T02 clock
U34	74LS138 3-to-8 decoder
U36	74LS30 8-input NAND
U37	74LS10 Triple 3-input NAND
U38-U45, U53- U60, U67-U74, U80-U87	256K 150ns dynamic RAM **
U46	74HCT393 Dual 4-bit counter
U47	MC68000P8 microprocessor **
U48	74LS08 Quad 2-input AND
U52	DDU66-150 150ns Delay Line **
U62, U75, U88	74S257 Quad 2-input multiplexer
U63	16L8 programmable array logic
U64	74LS139 Dual 2-to-4 line decoder
U65	74LS390 Dual decade counter
U66	74LS04 hex inverter
U77	74ALS74 Dual D flip-flop
U78	16 MHz oscillator
U79	Optional 20 (or 24 or 32) MHz oscillator **
U89	74LS148 8-to-3 line priority encoder
U90	74LS164 8-bit shift register
U91	555 timer
U92	optional 14.313 MHz oscillator
Connectors	
J1-J6	62-pin card edge connector
J7, J8	40-pin dual header strip
J9	5 pin PC DIN connector
J10A, J10B	6-pin power connector
J11, J12, J21, J22	6-pin dual header strip
J13	34-pin dual header strip
J18	4-pin single header strip
J19, J20, J24, J25	3-pin single header strip
J23	2-pin single header strip
Resistors (all 1/4 watt, 10% unless otherwise noted)	
R1-R6	150 ohms
R7	4700 ohms

R8-R10, R12, R13	10,000 ohms
R14, R15, R16	330 ohms
R17, R18	33-ohm 16-pin DIP package
R19	10,000-ohm 8-pin SIP package
R20, R21, R24, R26	2200 ohms
R22, R23	1 megohm
R25	33 ohms

Capacitors

C3, C4, C5	47 pF disc ceramic
C63	1 μ F 16-volt tantalum
C90	10 μ F 16-volt tantalum
C68	33 pF disk ceramic
all others (quantity 64)	0.1 μ F disc ceramic

Integrated circuit sockets

1	8-pin
22	14-pin
47	16-pin
1	16-pin with decoupling capacitor
7	20-pin
2	24-pin
3	28-pin
2	40-pin
1	48-pin
1	64-pin

Miscellaneous components

1	SK68K printed circuit board
1	Cabinet (PC, XT, or AT clone)
1	135- or 150-watt Power supply (PC or XT clone)
3	LEDs
4	shorting plugs

NOTE: At higher CPU clock rates, components marked with ** must be replaced with faster versions.

