

# Sharp MZ-80B Parts List - ICs

ID	Part	Notes
IC1	74LS00	Quad 2-input NAND
IC2	Sharp X0240PA	Gate Array 14297
IC3	Sharp LH0080A	Z80 CPU
IC4	74LS42	BCD to decimal
IC5	74LS04	Hex inverter
IC6	74LS244	Non-inverting buffer
IC7	74LS244	Non-inverting buffer
IC8	Sharp IX0285PA	IPL Boot ROM (2716), 334-5700
IC9	74121	Monostable multivibrator (one-shot pulse generator)
IC10	74LS244	Non-inverting buffer
IC11	74LS245	Bus transceiver
IC12	74LS04	Hex inverter
IC13	74LS32	Quad 2-input OR
IC14	74S157	Quad 2-input multiplexer
IC15	74S157	Quad 2-input multiplexer
IC16	74LS244	Non-inverting buffer
IC17	74LS08	Quad 2-input AND
IC18	74S04	Hex inverter
IC19	8253	Programmable Peripheral Interface (PIT)
IC20	74LS32	Quad 2-input OR
IC21	74121	Monostable multivibrator (one-shot pulse generator)
IC22	74LS245	Bus transceiver
IC23	NEC D8255AC-5	Programmable Peripheral Interface (PPI)
IC24	Sharp LH0081A	Z80 PIO
IC25	74154	4-to-16 decoder
IC26	74LS14	Hex Schmitt trigger
IC27	74LS09	Quad 2-input AND (open collector)
IC28	74LS04	Hex inverter
IC29	74LS09	Quad 2-input AND (open collector)
IC30	74LS09	Quad 2-input AND (open collector)
IC31	7406	Hex inverting buffer (open collector)
IC32	74LS04	Hex inverter
IC33	74LS00	Quad 2-input NAND
IC34	74LS74	Dual D-type flip flop
IC35	74LS08	Quad 2-input AND
IC36	74LS86	Quad 2-input XOR
IC37	74LS157	Quad 2-input multiplexer
IC38	74LS157	Quad 2-input multiplexer
IC39	74LS157	Quad 2-input multiplexer
IC40	74LS04	Hex inverter
IC41	Toshiba TMM2016P-1	2KB S-RAM
IC42	Sharp X0241PA	Gate Array 14298
IC43	Sharp X0242PA	Gate Array 14299
IC44	Sharp IX0286PA	CG-ROM (2716), 334P-5701
IC45	74LS165	Parallel load 8-bit shift register
IC46	74LS08	Quad 2-input AND
Q1	2SC373G	NPN transistor
Q2	2SC373G	NPN transistor

ID	Part	Notes
Q3	2SC373G	NPN transistor
DRAM	Sharp LH4116-3	16k x 1-bit DRAM
D2	1S1555	Diode

## Sharp MZ-80B Parts List - Resistors

ID	Part	Notes
R1	1k $\Omega$	¼W
R2	1k $\Omega$	¼W
R3	1k $\Omega$	¼W
R4	330 $\Omega$	¼W
R5	1k $\Omega$	¼W
R6	1k $\Omega$	¼W
R7	1k $\Omega$	¼W
R8	2.2K $\Omega$	¼W
R9	330 $\Omega$	¼W
R10	1k $\Omega$	¼W
R11	4.7K $\Omega$	¼W
R12	1k $\Omega$	¼W
R13	1k $\Omega$	¼W
R14	330 $\Omega$	¼W
R15	100 $\Omega$	¼W
R16	270 $\Omega$	¼W
R17	220 $\Omega$	¼W
R18	330 $\Omega$	¼W
R19	10K $\Omega$	¼W
R20	10K $\Omega$	¼W
R21	220 $\Omega$	¼W
R22	10K $\Omega$	¼W
R23	220 $\Omega$	¼W
R24	10K $\Omega$	¼W
R25	220 $\Omega$	¼W
R26	10K $\Omega$	¼W
R27	1k $\Omega$	¼W
R28	10K $\Omega$	¼W
R29	10K $\Omega$	¼W
R30	10K $\Omega$	¼W
R31	10K $\Omega$	¼W
R32	220 $\Omega$	¼W

ID	Part	Notes
R33	8.2K $\Omega$	1/4W
R34	1k $\Omega$	1/4W
R35	270 $\Omega$	1/4W
R36	1k $\Omega$	1/4W
R37	1k $\Omega$	1/4W
R38	1k $\Omega$	1/4W
R39	10K $\Omega$	1/4W
R40	4.7K $\Omega$	1/4W
RA1	10K $\Omega$ x 7	Resistor array
RA2	10K $\Omega$ x 8	Resistor array

## Sharp MZ-80B Parts List - Capacitors

ID	Part	Notes
C1	100nF	12V Ceramic
C2	100nF	35V Tantalum
C3	100nF	50V
C4	100nF	12V Ceramic
C5	100nF	50V
C6	100nF	12V Ceramic
C7	100nF	50V
C8	100nF	12V Ceramic
C9	100nF	35V Tantalum
C10	100nF	50V
C11	100nF	35V Tantalum
C12	100nF	50V
C13	100nF	12V Ceramic
C14	100nF	50V
C15	100nF	12V Ceramic
C16	100nF	50V
C17	100nF	12V Ceramic
C18	100nF	50V
C19	100nF	12V Ceramic
C20	100nF	35V Tantalum
C21	100nF	12V Ceramic
C22	100nF	35V Tantalum
C23	100nF	50V
C24	100nF	12V Ceramic
C25	100nF	50V
C26	100nF	12V Ceramic
C27	100nF	50V
C28	100nF	12V Ceramic
C29	100nF	50V
C30	100nF	35V Tantalum
C31	100nF	12V Ceramic
C32	100nF	12V Ceramic

ID	Part	Notes
C33	100nF	12V Ceramic
C34	100nF	12V Ceramic
C35	100nF	12V Ceramic
C36	100nF	12V Ceramic
C37	100nF	12V Ceramic
C38	100nF	12V Ceramic
C39	3.3nF	50V Film
C40	10μF	16V Aluminium
C41	10μF	16V Aluminium
C42	10μF	16V Aluminium
C43	10μF	16V Aluminium
C44		Not populated
C45	10μF	16V Aluminium
C46	100nF	12V Ceramic
C47	100nF	12V Ceramic
C48	100nF	12V Ceramic
C49	100nF	12V Ceramic
C50	100μF	16V Aluminium
C51	100μF	16V Aluminium
C52	100μF	16V Aluminium
C53	100μF	16V Aluminium
C54	100nF	12V Ceramic
C55	10μF	16V Aluminium
C56	100nF	12V Ceramic
C57	10μF	16V Aluminium
C58	100nF	12V Ceramic
C59	100nF	12V Ceramic
C60	100nF	12V Ceramic
C61	100nF	12V Ceramic
C62	100nF	12V Ceramic
C63	100nF	12V Ceramic
C64	100nF	12V Ceramic
C65	100nF	12V Ceramic

ID	Part	Notes
C66	470pF	50V Ceramic
C67		Not populated
C68	330pF	50V Ceramic
C69	100nF	12V Ceramic
C70	100nF	12V Ceramic
C71	1nF	50V Film
C72	100nF	12V Ceramic