

Designation	Brand	Model	Markings 1	Markings 2	Notes
IC1	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC2	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC3	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC4	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC4	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC5	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC6	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC7	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC8	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC9	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC10	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC11	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC12	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC13	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC14	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC15	HITACHI	HM6116FP-4S	JAPAN	2F1	CMOS SRAM, 2KB, 200NS
IC16	TEXAS INSTRUMENTS	SN76489AN	J310A		Sound Generator
IC17	SHARP	IX0361PA	237A		60 pin, connects to joystick and keyboard ports, interfaces with IC18
IC18	SHARP	IX0362PA	237D		60 pin, interfaces with IC17, connects to ram
IC19	SHARP	IX0363PA	239A		Interfaces with IC20/21/22 and maybe ram
IC20	SHARP	IX0399PA	5365-5705	3F	Interfaces with IC19,21,22
IC21	TEXAS INSTRUMENTS	SN74ALS08N	J340A2		Quad 2 input positive AND gate
IC22	SHARP	LH00080A	Z80A-CPU-0	237CA	CPU, interfaces with IC21/20
IC23	TEXAS INSTRUMENTS	SN74ALS74N	J323X		Dual D-type flip flop
IC24	TEXAS INSTRUMENTS	SN74S163N	J323X		Fully synchronous counter
IC25	TOSHIBA	TC74HCU04P	3-05		Hex inverter
IC26	TEXAS INSTRUMENTS	SN74LS93N	J314B		4 bit binary counter
IC27	HITACHI	HA11720	3E1		Video encoder, alt - Sony 8-759-303-13, Sharp VHIHA11720/-1
IC28	SHARP	BA7120	304 777		part of video circuit, all VR1/2/3 connect to it
IC29	TEXAS INSTRUMENTS	SN74LS123N	J310X		Retriggerable monostable multivibrator
IC30	TEXAS INSTRUMENTS	SN74LS86N	J323Z		Quad 2 input XOR gate
Q2	T	D880	Y	3H	TO-220, power transistor
CN4					CONNECTOR TO REGULATOR
Q1	T	7805AP	3H		VOLTAGE REGULATOR