

HCS10017 ULA

MPX	1	U	40	ULA_A6
ULA_A5	2		39	ULA_A7
ULA_A4	3		38	ULA_A0
ULA_A3	4		37	ULA_A2
D5	5		36	ULA_A1
Ground	6		35	A12
Clock	7		34	D6
D0	8		33	A9
CAS	9		32	A8
RAS	10		31	A10
D2	11		30	A15
D3	12		29	A14
D4	13		28	nR/W_RAM
PHI0	14		27	R/nW
A11	15		26	nMAP
CSYNC	16		25	nVIA_CS
D1	17		24	+5V
D7	18		23	nCS_ROM
BLUE	19		22	A13
GREEN	20		21	RED

Note: Pins in yellow are active low.

SY6502A CPU

Vss	1	U	40	nRES
RDY	2		39	PHI2 (Out)
PHI1 (Out)	3		38	S.O.
nIRQ	4		37	PHI0 (In)
NC	5		36	NC
nNMI	6		35	NC
SYNC	7		34	R/nW
Vcc	8		33	DB0
AB0	9		32	DB1
AB1	10		31	DB2
AB2	11		30	DB3
AB3	12		29	DB4
AB4	13		28	DB5
AB5	14		27	DB6
AB6	15		26	DB7
AB7	16		25	AB15
AB8	17		24	AB14
AB9	18		23	AB13
AB10	19		22	AB12
AB11	20		21	Vss

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AY-3-8912 Programmable Sound Generator

Channel C	1	U	28	DA0
Vcc	2		27	DA1
NC	3		26	DA2
Channel B	4		25	DA3
Channel A	5		24	DA4
Vss	6		23	DA5
IOA7	7		22	DA6
IOA6	8		21	DA7
IOA5	9		20	BC1
IOA4	10		19	BC2
IOA3	11		18	BDIR
IOA2	12		17	A8
IOA1	13		16	nRESET
IOA0	14		15	Clock

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AT28C256 256kilobit EEPROM 32K by 8 bit

A14	1	U	28	Vcc
A12	2		27	nWE
A7	3		26	A13
A6	4		25	A8
A5	5		24	A9
A4	6		23	A11
A3	7		22	nOE
A2	8		21	A10
A1	9		20	nCE
A0	10		19	I/O7
I/O0	11		18	I/O6
I/O1	12		17	I/O5
I/O2	13		16	I/O4
Ground	14		15	I/O3

Note: Pins in yellow are active low.

TMS4464 64k x 4 DRAM

nG	1	U	18	Vss
DQ1	2		17	DQ4
DQ2	3		16	nCAS
nW	4		15	DQ3
nRAS	5		14	A0
A6	6		13	A1
A5	7		12	A2
A4	8		11	A3
Vdd	9		10	A7

Note: Pins in yellow are active low.

74LS257 Quad 2-Data Selectors/Multiplexers

SELECT	1	U	16	Vcc
A1	2		15	OUTPUT
B1	3		14	A4
Y1	4		13	B4
A2	5		12	Y4
B2	6		11	A3
Y2	7		10	B3
Ground	8		9	Y3

Note: Pins in yellow are active low.

74LS365 (Hex Bus Driver with Tri-state outputs.)

nG1	1	U	16	Vcc
A1	2		15	nG2
Y1	3		14	A6
A2	4		13	Y6
Y2	5		12	A5
A3	6		11	Y5
Y3	7		10	A4
Ground	8		9	Y4

Note: Pins in yellow are active low.

74F04 (Hex Invertor)

A1	1	U	16	Vcc
Y1	2		15	A6
A2	3		14	Y6
Y2	4		13	A5
A3	5		12	Y5
Y3	6		11	A4
Ground	7		10	Y4

Note: Pins in yellow are active low.

74LS00 (Quad 2 input NAND)

A1	1	U	16	Vcc
1B	2		15	4B
1Y	3		14	4A
2A	4		13	4Y
2B	5		12	3B
2Y	6		11	3A
Ground	7		10	3Y

Note: Pins in yellow are active low.