LH5P1632

CMOS 512K (32K × 16) Pseudo-Static RAM

FEATURES

- 32,768 × 16 bit organization

- Access time: 80/150 ns (MAX.)

- Cycle time: 140/210 ns (MIN.)

- Single +5 V power supply

- Power consumption (MAX.):
   Operating: 467.5/327.5 mW
   Standby: 16.5 mW

- TTL compatible I/O

- 256 refresh cycles/4 ms (MAX.)

- Available for auto-refresh mode

- Packages:
   40-pin, 600-mil DIP
   40-pin, 525-mil SOP

DESCRIPTION

The LH5P1632 is a 512K-bit Pseudo-Static RAM organized as 32,768 × 16 bits. It is fabricated using silicon-gate CMOS process technology.
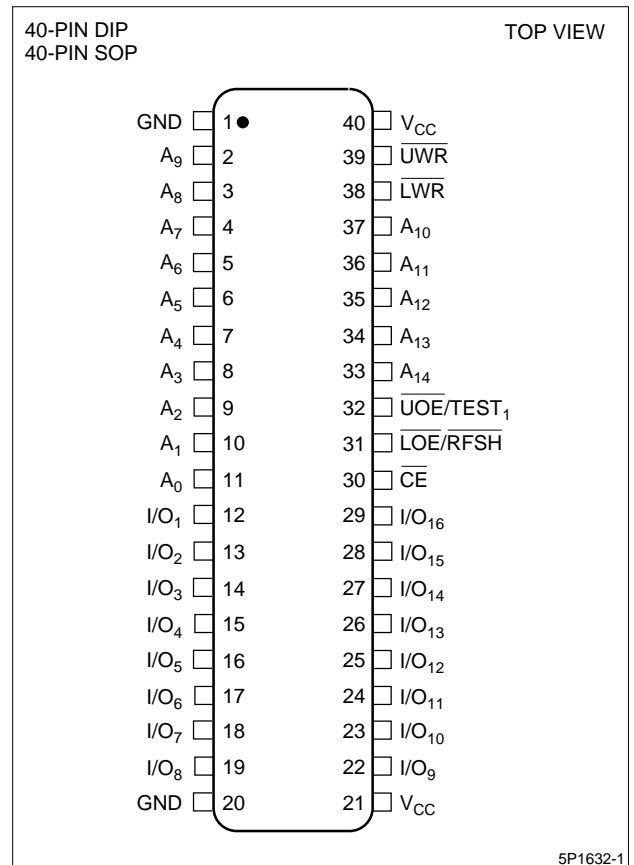
PIN CONNECTIONS

40-PIN DIP
40-PIN SOP
TOP VIEW

Pin		Pin	
GND	1	40	V_{CC}
A_9	2	39	$\overline{UWR}$
A_8	3	38	$\overline{LWR}$
A_7	4	37	A_{10}
A_6	5	36	A_{11}
A_5	6	35	A_{12}
A_4	7	34	A_{13}
A_3	8	33	A_{14}
A_2	9	32	$\overline{UOE}/TEST_1$
A_1	10	31	$\overline{LOE}/\overline{RFSH}$
A_0	11	30	$\overline{CE}$
I/O_1	12	29	I/O_{16}
I/O_2	13	28	I/O_{15}
I/O_3	14	27	I/O_{14}
I/O_4	15	26	I/O_{13}
I/O_5	16	25	I/O_{12}
I/O_6	17	24	I/O_{11}
I/O_7	18	23	I/O_{10}
I/O_8	19	22	I/O_9
GND	20	21	V_{CC}

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Figure 1. Pin Connections for DIP and SOP Packages

"Searchdatasheets provides users with one of the Internet's most complete sources for obsolete datasheets," said Ariel Zriel, President, Market Maker Systems.
As the life-cycle of components is shortened by the constant demand for faster and better technology, electronics parts are being rendered obsolete at an unprecedented rate. Searchdatasheets gathers and stores the fact sheets, which explain how to use those components.

"Once a component manufacturer decides to eliminate a component datasheet from its web site," said Zriel, "we take over and list it along with the millions of other datasheets that our users can quickly access."

Users can perform standard searches for datasheets, or use the cross-reference search option if they want to find a compatible part from another manufacturer. Searchdatasheets also informs its users when parts are going to become obsolete, providing them with timely product change notification (PCN), product discontinuation notices (PDN) and end of life (EOL) notification.

Searchdatasheets is the only database of its kind that has components engineers onstaff.

That means users can count on assistance from qualified personnel when performing cross-reference searches. Searchdatasheets engineers also regularly research and add and new datasheets to the system.

"We have full-time Engineers on-staff to research and add datasheets if the information is not currently on our site," said Zriel. "We are providing a place for users to have their questions answered quickly. Our aim is to build a community for components engineers who need help in product design."

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