

Description

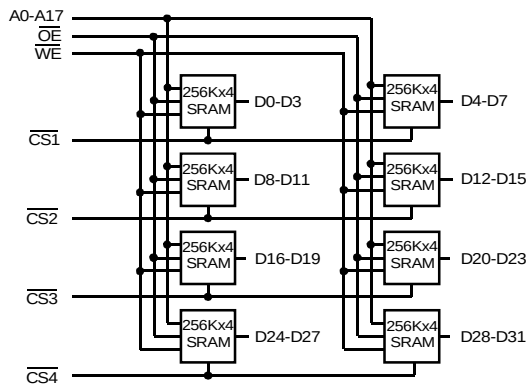
The SYS32256 is a plastic 8Mbit Static RAM Module offered in Industry Standard 64 pin ZIP and 64 lead SIMM package, organised as 256K x 32. The module utilises eight fast 256K x 4 SRAMs housed in SOJ packages, and uses double sided surface mount techniques, to achieve a very high density module.

Four chip selects are used to independently enable the four bytes. Reading or Writing is executed on individual or any combination of multiple bytes. Two pins PD0 & PD1 are used to identify module memory density where alternative versions of the JEDEC standard modules can be interchanged.

Features

- Access Times of 12/15/17 ns.
- 64 Pin ZIP & SIMM pinouts.
- 5 Volt Supply $\pm 10\%$.
- Power Dissipation :
Operating (32bit mode) 9.0 W (maximum).
Standby (CMOS) -L 1.3 W (maximum).
- Completely Static Operation.
- Equal Access and Cycle Times.
- All Inputs and Outputs Directly TTL Compatible.
- On-board Supply Decoupling Capacitors.
- 72 pin SIMM (SYS32256LKX) available.

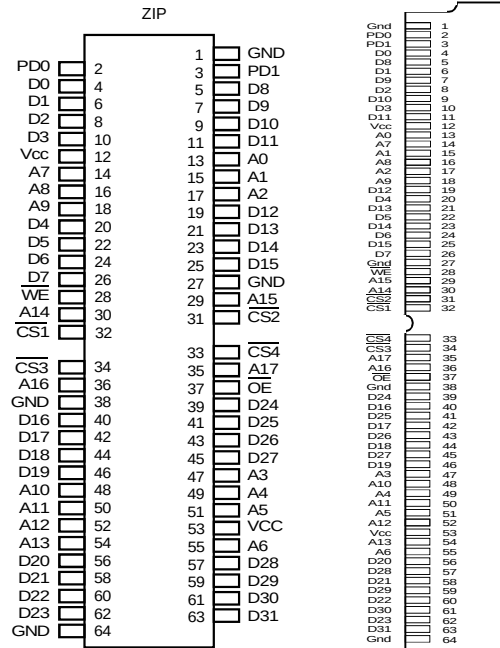
Block Diagram



Pin Functions

Address Inputs	A0 ~ A17
Data Input/Output	D0 ~ D31
Chip Select	CS1~4
Write Enable	WE
Output Enable	OE
Presence Detect	PD0~1
Power (+5V)	V _{CC}
Ground	GND

Pin Definition



Package Details

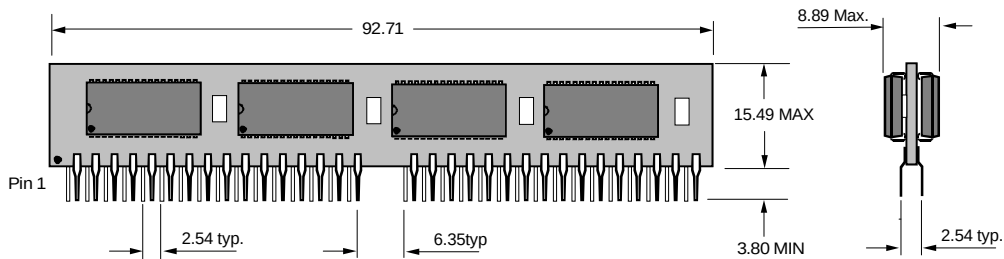
Plastic 64 Pin ZIP

Plastic 64 Pin SIMM

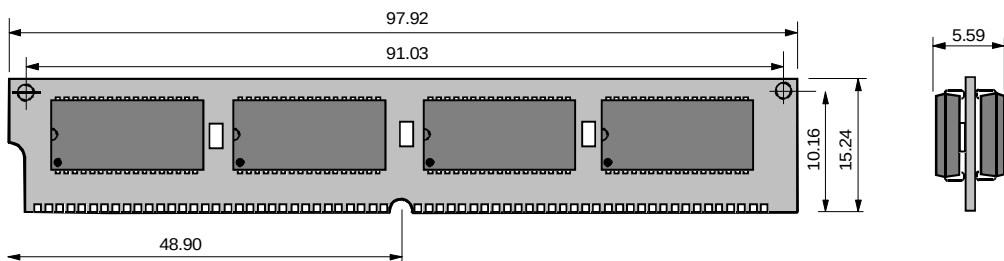
Package Information

Dimensions in mm

Plastic 64 Pin Zig-Zag-In-line Package (ZIP)



Plastic 64 Pin Single In-line Memory Module (SIMM)



Ordering Information

SYS32256ZK/LKLI - 012	
Speed	12 = 12 ns 15 = 15 ns 17 = 17 ns
Temperature range	Blank = Commercial Temp. I = Industrial Temp.
Power Consumption	Blank = Standard Part L = Low Power Part
Package	ZK = Plastic 64 Pin ZIP LK = Plastic 64 Pin SIMM
Organisation	32256 = 256K X 32
Memory Type	SYS = Static RAM

Note :
Although this data is believed to be accurate, the information contained herein is not intended to and does not create any warranty of merchantability or fitness for a particular purpose.
Our products are subject to a constant process of development. Data may be changed at any time without notice.
Products are not authorised for use as critical components in life support devices without the express written approval of a company director.