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1M x 32 SRAM MODULE

PUMA 84SV32000A - 70/85/10

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Description

The PUMA 84SV32000A is a 32Mbit CMOS Static RAM organised as 1M x 32 in a JEDEC 84 pin surface mount J-leaded PLCC, available with access times of 70, 85, and 100ns. The output width is user configurable as 8, 16 or 32 bits using eight Chip Selects ($\overline{CS1}$~8).

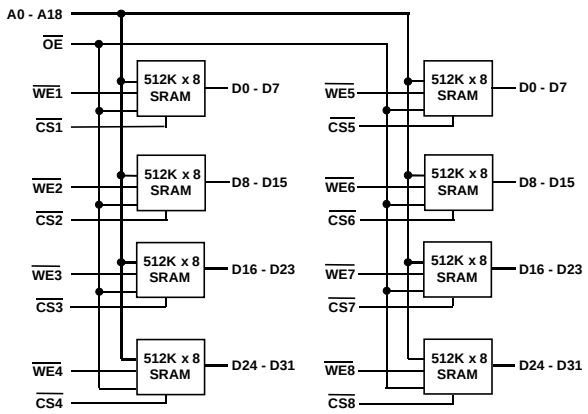
The PUMA 84SV32000A offers a dramatic space saving advantage over eight standard 512Kx8 devices. The -L version has data retention capability and can be used in battery backup applications.

The PUMA 84SV32000A has Eight Write Enable Inputs. ($\overline{WE1}$~8)

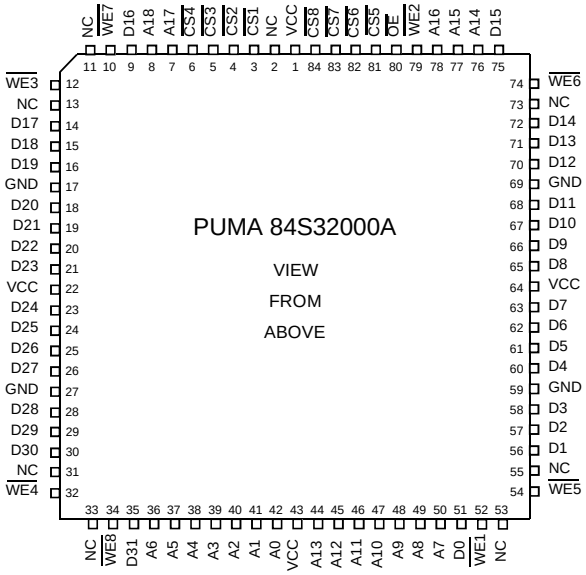
Features

- Access times of 70/85/100 ns.
- High Density Package
- JEDEC 84 'J' leaded plastic Surface Mount Package.
- Single 3.3 V±10% Power supply.
- User Configurable as 8 / 16 / 32 bit wide output.
- Operating Power (32-BIT) 2.51 W (max)
  Low Power Standby (-L) 8.25 mW (max)
- Fully Static operation.
- Data Retention Capability (-L version only).
- Multiple ground pins for maximum noise immunity.

Block Diagram



Pin Definition



Pin Functions

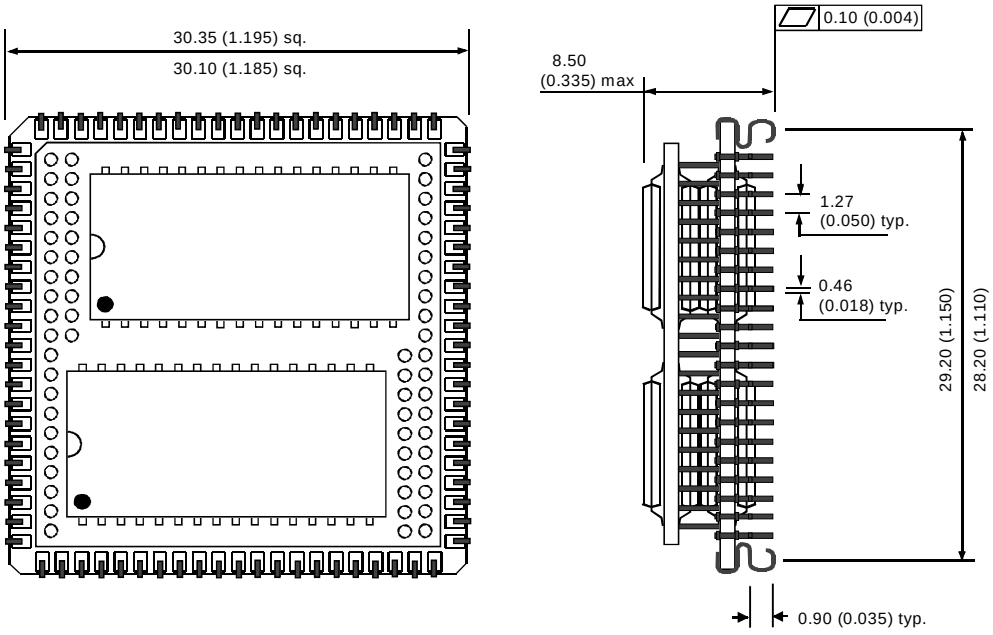
Address Inputs	**A0 ~ A18**
Data Input/Output	**D0 ~ D31**
Chip Select	**$\overline{CS1}$ ~ 8**
Write Enable	**$\overline{WE1}$ ~ 8**
Output Enable	**$\overline{OE}$**
No Connect	**NC**
Power (+5V)	**V_{cc}**
Ground	**GND**

Package Details

Plastic 84 J-Leaded JEDEC PLCC

Package Information Dimensions in mm(inches)

Plastic 84 Pin JEDEC Surface mount PLCC



Ordering Information

PUMA 84SV32000ALI - 70

Speed	70	=	70 ns
	85	=	85 ns
	10	=	100 ns
Temperature Range	Blank	=	Commercial Temperature
	I	=	Industrial Temperature
Power Consumption	Blank	=	Standard
	L	=	Low Power
Write Enable Option	A	=	$\overline{\text{WE1~8}}$ (Eight $\overline{\text{WE}}$ inputs)
Organisation	32000	=	1M x 32 SRAM configurable as 2M x 16 and 4M x 8
Memory Type	S	=	Asynchronous SRAM 3.3V
Package	PUMA 84	=	Memory Stack 84 pin 'J' Leaded

Note :

Although this data is believed to be accurate, the information contained herein, is not intended to and does not create any warranty of merchantibility 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 approval of a company director.