

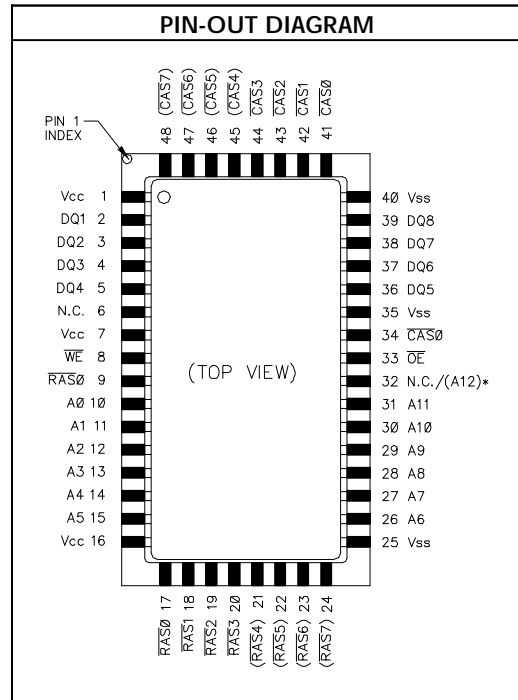
DESCRIPTION:

The M-Densus series is a family of interchangeable memory modules. The 64 Megabit DRAM is a member of this family which utilizes the new and innovative space saving TSOP stacking technology. The module is constructed with four 8 Meg x 8 EDO, 3.3 Volt DRAM's available in a 128 Megabit compatible pin-out.

The 64 Megabit based M-Densus modules have been designed to fit in the same footprint as the 32 Meg x 4 DRAM TSOP monolithic. This allows the memory board designer to upgrade the memory in their products without redesigning the memory board, thus saving time and money.

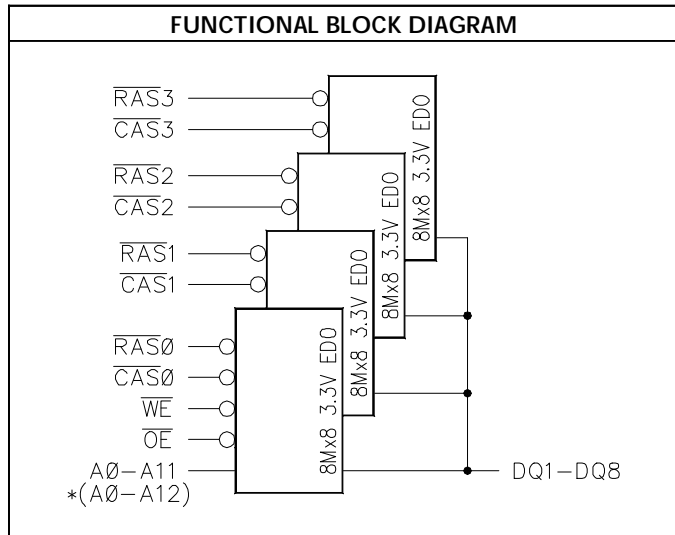
FEATURES:

- Configurations Available:
 - 256 Megabit: 32 Meg x 8
- Access Times: 50, 60ns (max.)
- 3.3 Volt Supply
- Common Data Inputs and Outputs
- Extended Data Out Capability (EDO)
- 4K/8K 64ms Refresh
- 3 Variations of Refresh:
 - RAS only Refresh
 - CAS before RAS Refresh
 - Hidden Refresh
- Package: Leadless TSOP Module



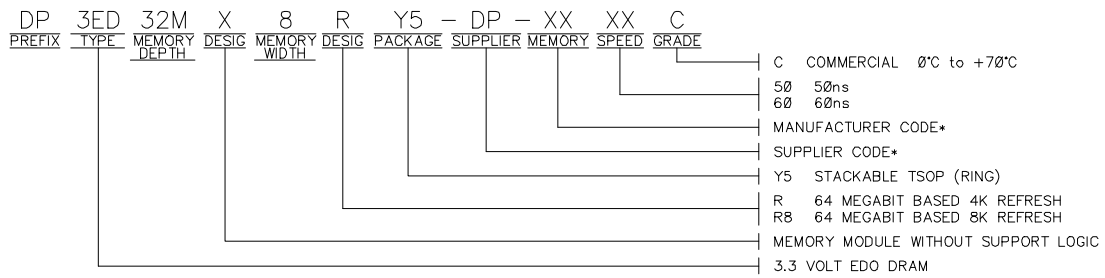
PIN NAMES	
A0 - A11	Row Address: A0 - A11 Column Address: A0 - A11 Refresh Address: A0 - A11
A0 - A12*	Row Address: A0 - A12 Column Address: A0 - A10 Refresh Address: A0 - A12
DQ0 - DQ4	Data In / Data Out
CAS0 - CAS4	Column Address Strobe
RAS0 - RAS4	Row Address Enables
WE	Data Write Enable
OE	Data Output Enable
Vcc	Power Supply (+ 3.3V)
Vss	Ground
N.C.	No Connect

* A12 for 8K refresh device.



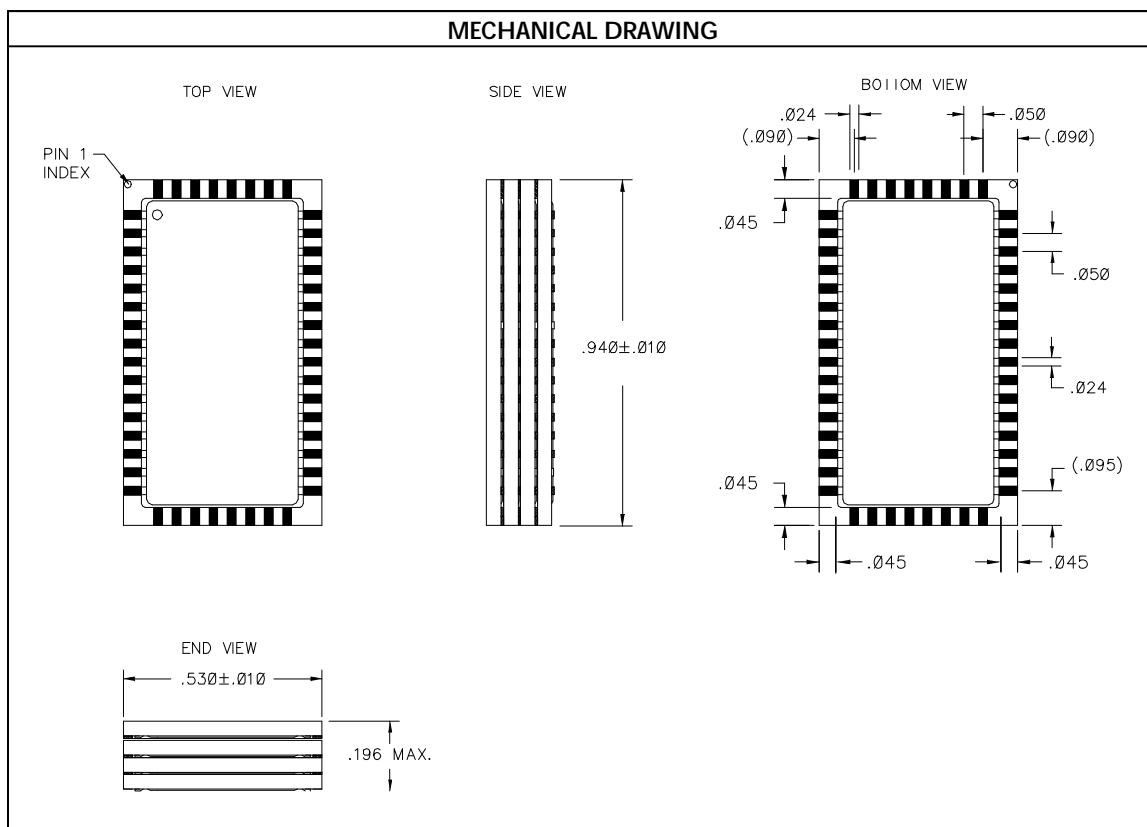
PRELIMINARY

ORDERING INFORMATION



* Contact your sales representative for supplier and manufacturer codes.

MECHANICAL DRAWING



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