**DENSE-PAC** MICROSYSTEMS *M-Densus* High Density Memory Device

# 128 Megabit Synchronous DRAM DPSD16MX8RKY5

## PRELIMINARY

#### **DESCRIPTION:**

The *M-Densus* series is a family of interchangeable memory modules. The 128 Megabit SDRAM is a member of this family which utilizes the new and innovative space saving TSOP stacking technology. The modules are constructed with 8 Meg x 8 SDRAMs.

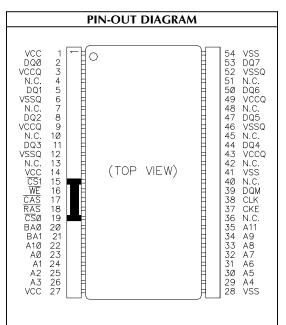
This 64 Megabit based *M-Densus* module, the DPSD16MX8RKY5 has been designed to fit in the same footprint as the 8 Meg x 8 SDRAM TSOP monolithic and 64 Megabit SDRAM based family of *M-Densus* modules. This allows the memory board designer to upgrade the memory in their products without redesigning the memory board, thus saving time and money.

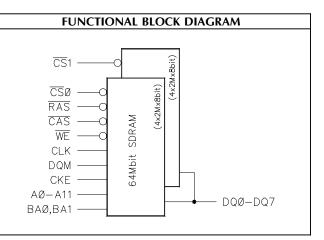
### FEATURES:

- Configuration Available:
- 16 Meg x 8 (2 Banks of 2M x 4 x 8 bits) • Clock Frequency:
- Clock Frequency: 66<sup>[1]</sup>, 83<sup>[1]</sup>, 100, 125<sup>[2]</sup>, 133<sup>[2]</sup> MHz (max.)
- PC100 and PC133 Compatable
- 3.3V Supply
- LVTTL Compatible I/O
- Four Bank Operation
- Programmable Burst Type, Burst Length, and CAS Latency
- 4096 Cycles / 64 ms
- Auto and Self Refresh
- Package: TSOP Leadless Stack

NOTES: [1] Available in Military and Industrial Temperature Ranges Only. [2] Available in Commercial Temperature Range Only.

PIN NAMES	
A0 - A11	Row Address: A0 - A11 Column Address: A0 - A8
BAO, BA1	Bank Select Address
DQ0 - DQ7	Data In / Data Out
CAS	Column Address Strobes
RAS	Row Address Enables
WE	Data Write Enable
DQM	Data Input/Output Mask
CKE	Clock Enable
CLK	System Clock
$\overline{\text{CS}}0-\overline{\text{CS}}1$	Chip Selects
V <sub>CC</sub> /V <sub>SS</sub>	Power Supply/Ground
V <sub>CCQ</sub> /V <sub>SSQ</sub>	Data Output Power/Ground
N.C.	No Connect



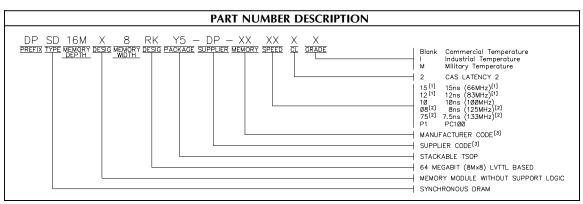


30A227-00 REV. B This document contains information on a product presently under development at Dense-Pac Microsystems, Inc. Dense-Pac reserves the right to change products or specifications herein without prior notice.

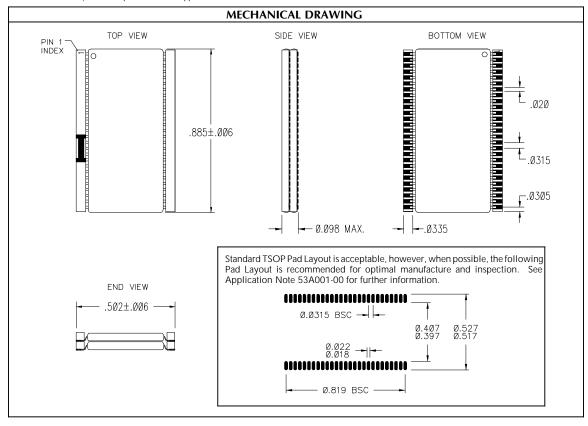
# DPSD16MX8RKY5 M-Densus

Dense-Pac Microsystems, Inc.

PRELIMINARY



NOTES: [1] Available in Military and Industrial Temperature Ranges Only. [2] Available in Commercial Temperature Range Only. [3] Contact your sales representative for supplier and manufacturer codes.





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