

DESCRIPTION:

The LP-Stack™ series is a family of interchangeable memory modules. The 256 Megabit SDRAM is a member of this family which utilizes the new and innovative space saving TSOP stacking technology. The modules are constructed with 32 Meg x 4 SDRAMs.

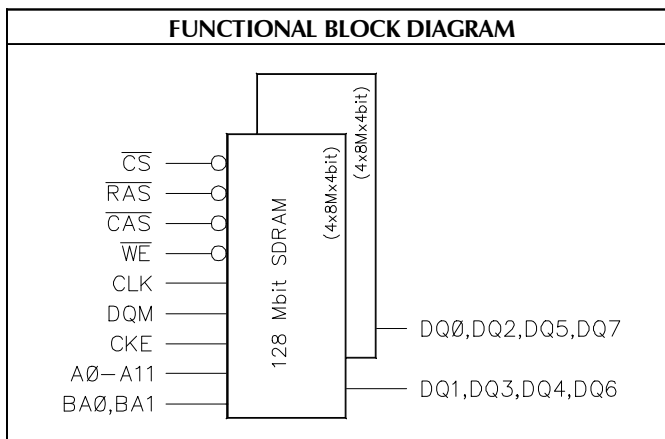
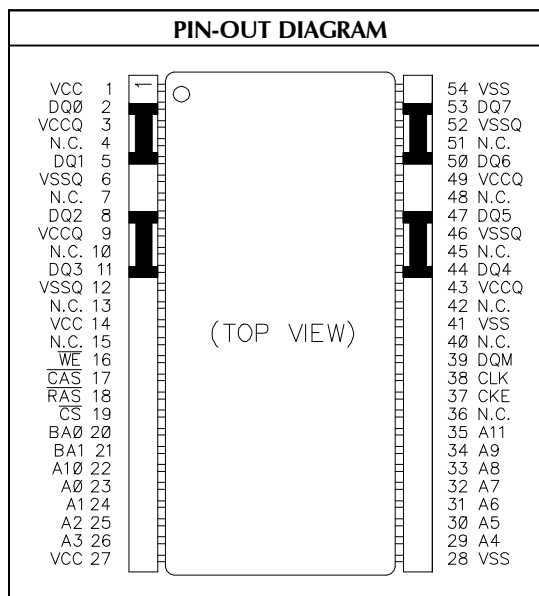
This 128 Megabit based LP-Stack™ module, the DPSD32MX8TY5 has been designed to fit in the same footprint as the 16 Meg x 8 SDRAM TSOP monolithic and 64 Megabit SDRAM based family of LP-Stack™ modules. This allows the memory board designer to upgrade the memory in their products without redesigning the memory board, thus saving time and money.

FEATURES:

- Configuration Available:
32 Meg x 8 (2 Banks of 8M x 4 x 4 bits)
- Clock Frequency:
66^[1], 83^[1], 100, 125^[2], 133^[2] MHz (max.)
- PC100 and PC133 Compatible
- 3.3V Supply
- LVTTTL 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 Extended Temperature Ranges Only.
[2] Available in Commercial Temperature Range Only

PIN NAMES	
A0 - A11	Row Address: A0 - A11 Column Address: A0 - A9
BA0, BA1	Bank Select Address
DQ0 - DQ7	Data In / Data Out
CAS	Column Address Strobe
RAS	Row Address Enable
WE	Data Write Enable
DQM	Data Input/Output Mask
CKE	Clock Enable
CLK	System Clock
CS	Chip Select
Vcc/Vss	Power Supply/Ground
Vccq/Vssq	Data Output Power/Ground
N.C.	No Connect



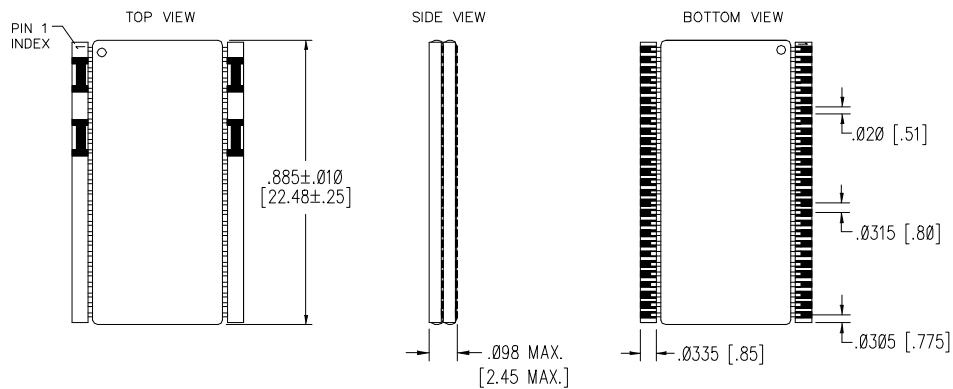
Dense-Pac Microsystems, Inc.

PART NUMBER DESCRIPTION

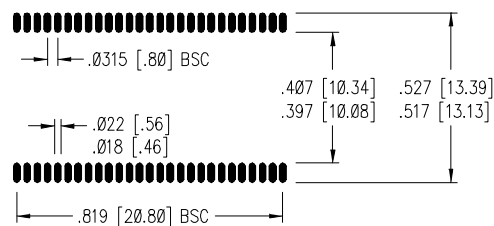
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NOTES: [1] Available in Extended Temperature Ranges Only.
[2] Available in Commercial Temperature Range Only.
[3] Contact your sales representative for supplier and manufacturer codes.

MECHANICAL DRAWING



Standard TSOP pad layout is acceptable, however, when possible, the following pad layout is recommended for optimal manufacture and inspection. See Application Note 53A001-00 for further information.



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