

DESCRIPTION:

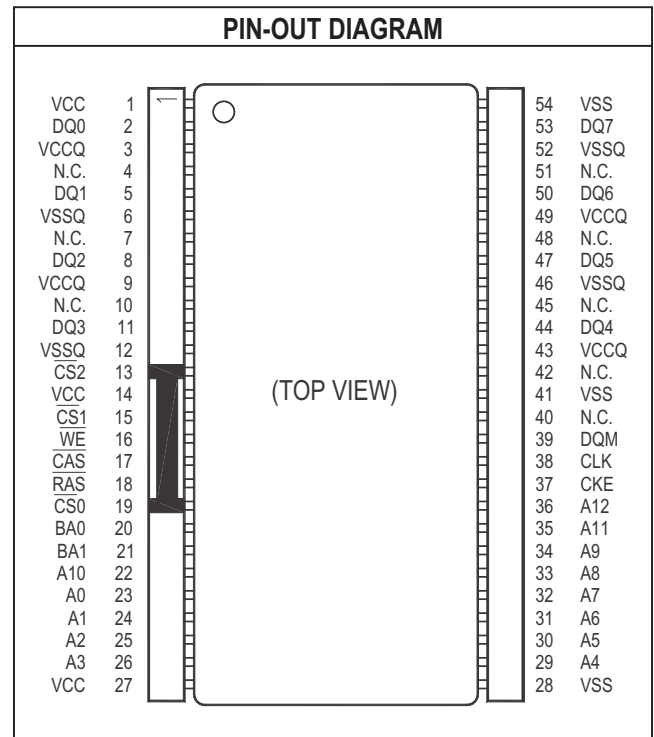
The LP-Stack™ series is a family of interchangeable memory modules. The 768 Megabit SDRAM is a member of this family which utilizes the new and innovative space saving TSOP stacking technology. The modules are constructed with 32 Meg x 8 SDRAMs.

This 256 Megabit based LP-Stack™ module, the DPD96MX8WKY5 has been designed to fit in the same footprint as the 32 Meg x 8 SDRAM TSOP monolithic and 256 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:

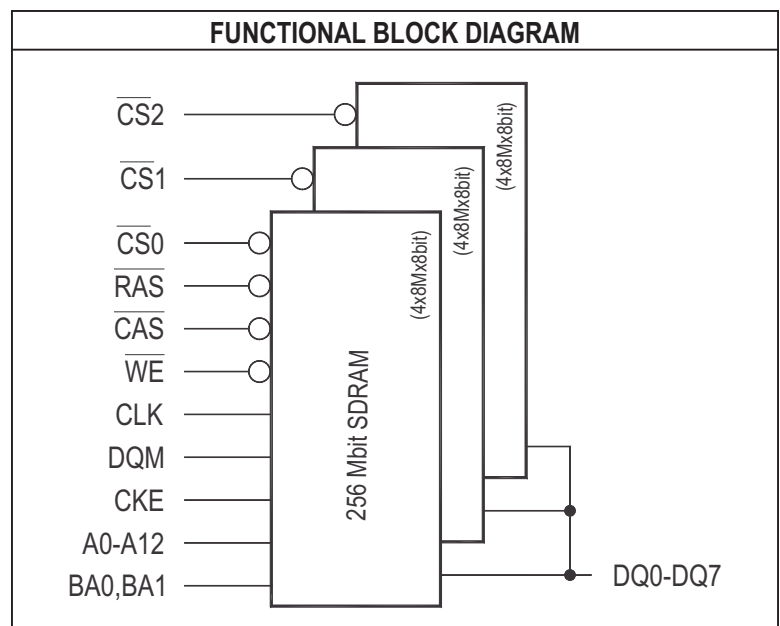
- Configuration Available:
96 Meg x 8 (3 Banks of 8M x 4 x 8 bits)
- Clock Frequency:
66^[1], 83^[1], 100, 125^[2], 133^[2] MHz (max.)
- PC100 and PC133 Compatible
- 3.3V Supply
- LVTTTL Compatible I/O
- Four Bank Operation
- Programmable Burst Type, Burst Length, and CAS Latency
- 8192 Cycles / 64 ms
- Auto and Self Refresh
- Package: TSOP Leadless Stack

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

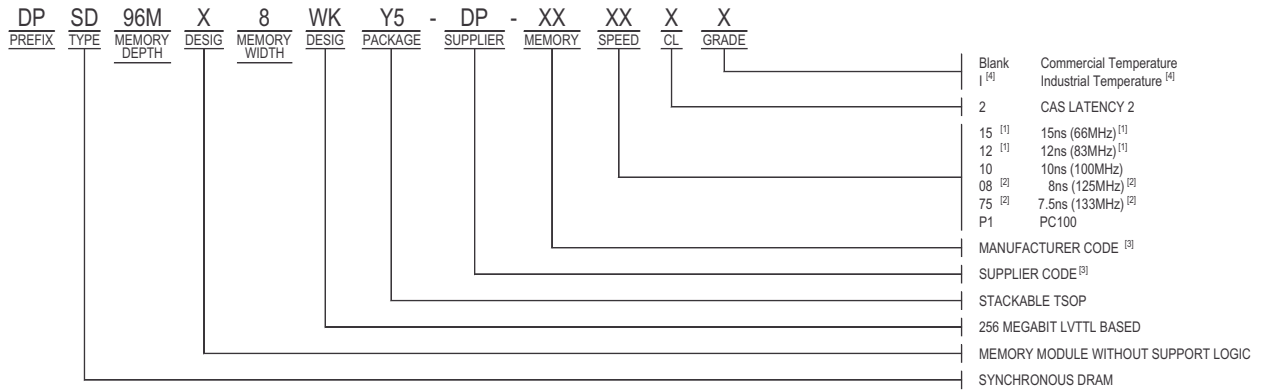


ADVANCED INFORMATION

PIN NAMES	
A0 - A12	Row Address: A0 - A12 Column Address: A0 - A9, A11
BA0, BA1	Bank Select Address
DQ0 - DQ7	Data In / Data Out
CAS	Column Address Strokes
RAS	Row Address Enables
WE	Data Write Enable
DQM	Data Input/Output Mask
CKE	Clock Enable
CLK	System Clock
CS0-CS2	Chip Selects
Vcc/Vss	Power Supply/Ground
Vcca/Vssa	Data Output Power/Ground
N.C.	No Connect



PART NUMBERING DESCRIPTION

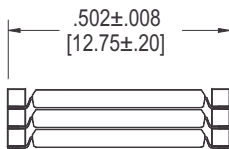
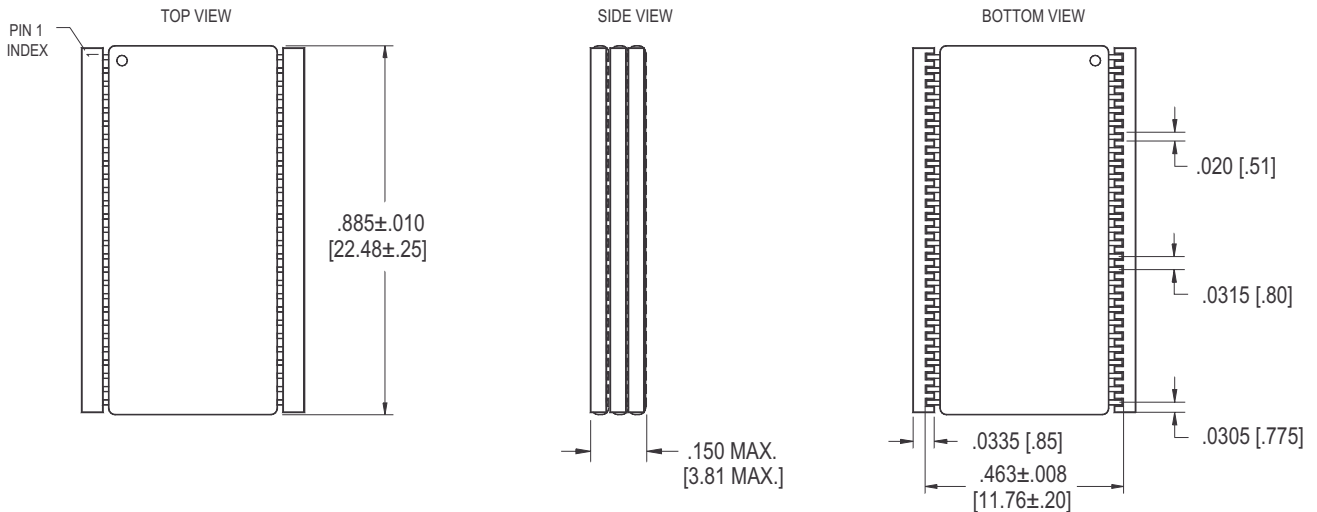


NOTES: [1] Available in Industrial Temperature Ranges Only, see note 4.
 [2] Available in Commercial Temperature Range Only.

[3] Contact your sales representative for supplier and manufacturer codes.
 [4] All industrial temperature range parts are subject to availability of screened components.

ADVANCED INFORMATION

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.

