DATASHEET

Module TYPE	DDR2 2GB/1GB SODIMM
Module speed	PC-6400
CAS Latency	CL-6
Pin	200pin
SDRAM Operating Temp	-40 ℃ ~ 85 ℃

1. Features

Key Parameter

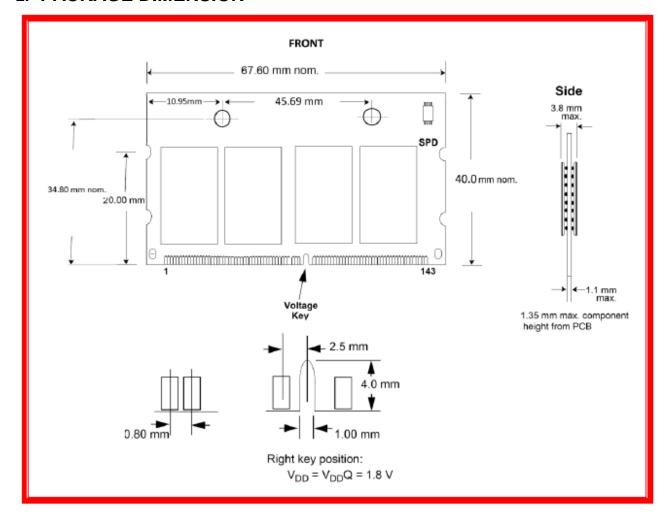| Industry Nomenclature	Speed Grade	Data Rate MT/s			tRCD (ns)	tRP (ns)	tRC (ns)
		CL=4	CL=5	CL=6			
PC2-6400	-	533	667	800	15	15	60

- JEDEC Standard 200-pin Dual In-Line Memory Module
- Intend for 400MHz applications
- Inputs and Outputs are SSTL-18 compatible
- VDD=VDDQ= 1.8 Volt ± 0.1
- Differential clock input
- All inputs are sampled at the positive going edge of the system clock
- Bi-Directional data strobe with one clock cycle preamble and one-half clock post-amble
- Address and control signals are fully synchronous to positive clock edge.
- Auto Refresh (CBR) and Self Refresh Modes support.
- Serial Presence Detect with EEPROM

- Automatic and controlled precharge commands.
- Auto & self refresh 7.8μs (T$_A$ ≤ +85°C)
- 30u" Golden Contactor
- SDRAM Operation Temperature *(Note 1)*
  - -40°C ≤ T$_A$ ≤ +85°C
- Programmable Device Operation:
  - Burst Type: Sequential or Inteleave
  - Operation: Burst Read and Write
  - Device CAS# Latency: 6
  - Burst Length: 4, 8
- RoHS Compliant *(Section 15)*

Note: *1. The refresh rate is required to double when T$_C$ exceeds 85°C.*

2. PACKAGE DIMENSION

Note: Device position is only for reference.