

DATASHEET

Module TYPE	DDR 1GB/512MB/256MB/128MB DIMM
Module speed	PC-3200
CAS Latency	CL-3
Pin	184pin
SDRAM Operating Temp	0 °C ~ 70 °C

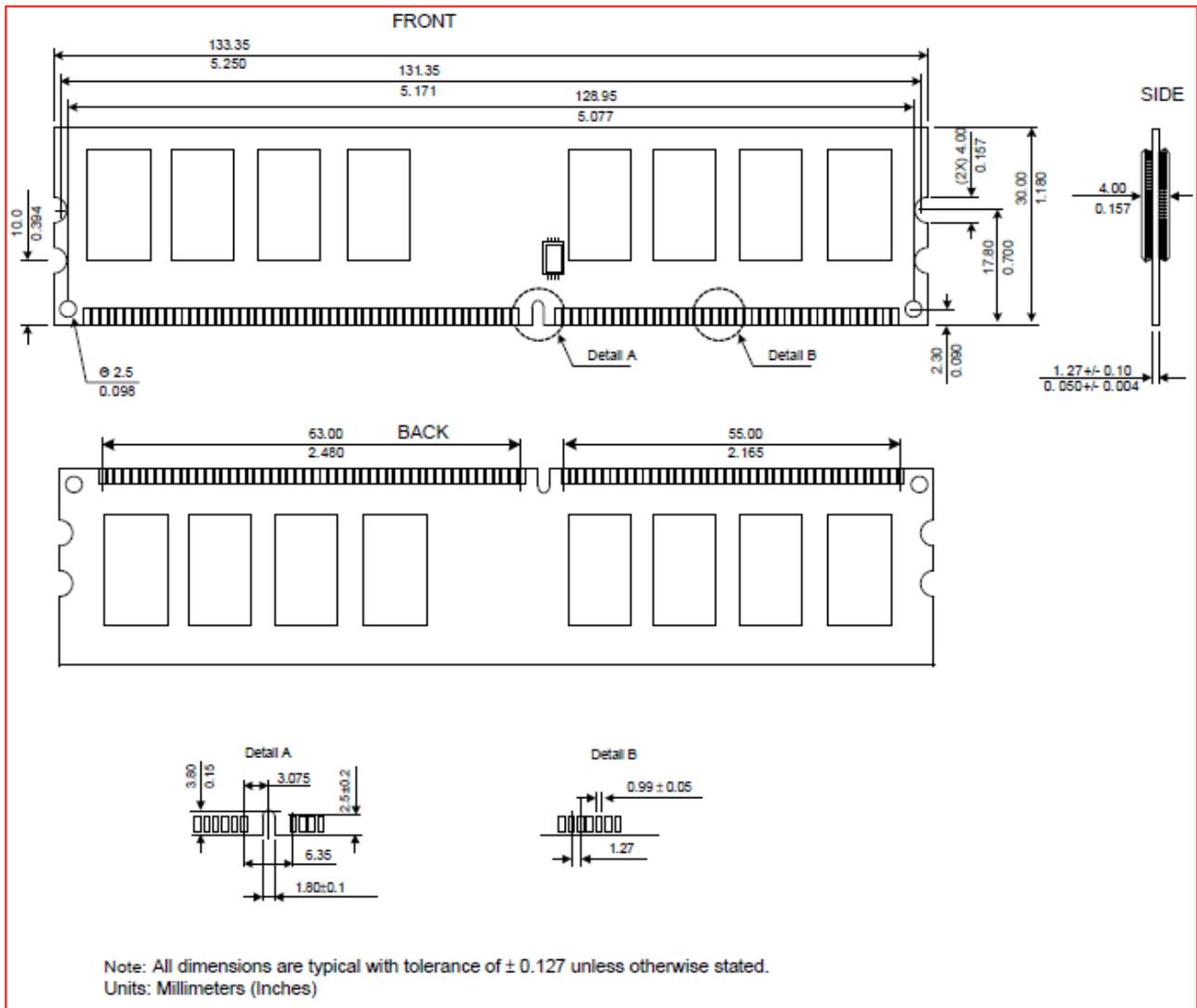
1. Features

Key Parameter

Industry Nomenclature	Speed Grade	Data Rate MT/s			tRCD	tRP	tRC
		CL=2	CL=2.5	CL=3	(ns)	(ns)	(ns)
PC-3200	-	266	333	400	15	15	55

- JEDEC Standard 184-pin Dual In-Line Memory Module
 - Intend for 400MHz applications
 - Inputs and Outputs are SSTL-18 compatible
 - VDD=VDDQ= 1.8 Volt \pm 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 7.8 μ s ($T_A \leq +85^\circ\text{C}$)
 - Golden Contactor
 - SDRAM Operation Temperature (*Note 1*)
 - $0^\circ\text{C} \leq T_A \leq +85^\circ\text{C}$
 - 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 Tc exceeds 85°C.*

2. PACKAGE DIMENSION



Note: Device position is only for reference.