

FEATURES

JEDEC DDR PC3200 400MHz Version 1.0

- Clock frequency: 200MHz with CAS latency 3
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 2, 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 3
- Auto refresh and self refresh capability
- 8K refresh per 64ms
- Low active and standby current consumption
- SSTL-2 compatible inputs and outputs
- Decoupling capacitors at each memory device
- Double-sided module
- 1.16 inch height
- Gold card edge fingers

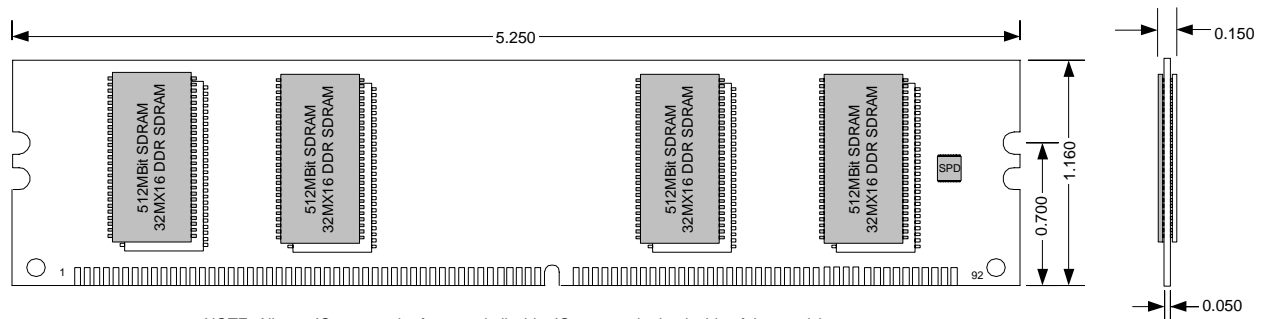
DESCRIPTION

The AVM6464U51C3400K2 is a 184 pin Unbuffered DDR SDRAM DIMM module. This module is JEDEC pinout compatible. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVM6464U51C3400K2 memory module is 512MByte and organized as 64MX64 array using (8) 32MX16 DDR SDRAMs in TSSOP II packages.

This memory module is fabricated using the latest technology design, six-layer printed circuit board substrate construction with low ESR decoupling capacitors on-board for high reliability and low noise.

PHYSICAL DIMENSIONS



Avant Ordering Guides

| AV | M | 64 | 64 | U | 51 | C | 3 | 400 | K | 2 |
|------------|--------------------|-----------|-----------|--------------|--------------------------|----------|-------------------|------------|-------------|----------|
| INVENTORY | MOD. TYPE | ORG. | DENSITY | PARITY | TYPE | VOLTAGE | FEATURE | SPEED | MODE | REV |
| AV = AVANT | M=184-PIN DDR DIMM | 64=X64 | 64 = 64M | U=UNBUFFERED | 51 = 8Mx16x4 (DDR SDRAM) | C = 2.5V | 3 = CAS LATENCY 3 | 400MHZ | K-DDR SDRAM | REV=2 |

Other options may be available. Call for specific part number information on options not listed.



Avant™ Technology LP., reserves the right to change products or specifications without notice.