



# DDR SDRAM DIMM MODULE, 2.5V 128MByte - 16MX64 AVM6416U36C5266K1

## FEATURES

JEDEC DDR PC-2100 266MHz

- Clock frequency: 133MHz with CAS latency 2.5
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 2, 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 2.5
- Auto refresh and self refresh capability
- Gold card edge fingers
- 4K refresh per 64ms
- Low active and standby current consumption
- SSTL-2 compatible inputs and outputs
- Decoupling capacitors at each memory device
- Double-sided module
- 31.75mm (1.25 inch) height

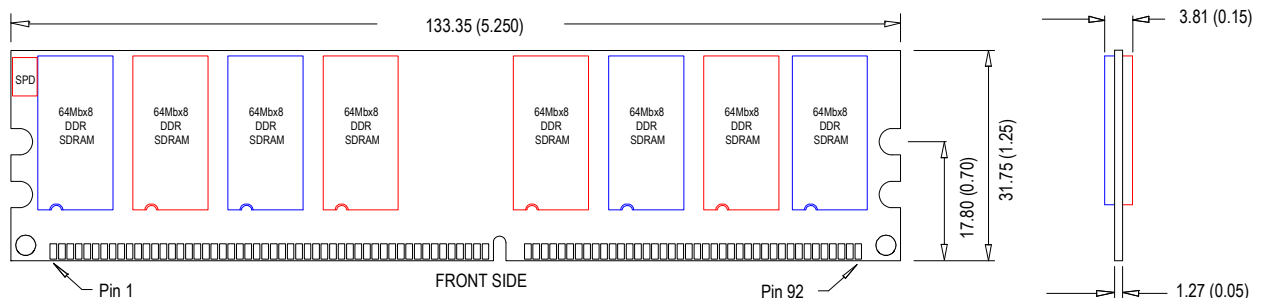
## DESCRIPTION

The AVM6416U36C5266K1 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 AVM6416U36C5266K1 memory module is 128MByte and organized as 16MX64 array using (8) 16MX8 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



- NOTES: 1- All dimensions are in millimeters (inches)  
2- All blue ICs are on the front, and all red ICs are on the back side of the module.  
3- The dimensional drawings are for reference only. Refer to the JEDEC document for additional information.

**Avant Ordering Guides**

<b>AV</b>	<b>M</b>	<b>64</b>	<b>16</b>	<b>U</b>	<b>36</b>	<b>C</b>	<b>5</b>	<b>266</b>	<b>K</b>	<b>1</b>
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLTAGE	FEATURE	SPEED	MODE	REV
AV = AVANT	M=184-PIN DDR DIMM	64=X64	16=16M	U=UNBUFFERED	36=4Mx8x4 (DDR SDRAM)	C = 2.5V	5 = CAS LATENCY 2.5	266MHz	K=DDR SDRAM	REV=1

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

Revision history:  
- A: 9-09-2004, new format



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