



# DDR SDRAM DIMM MODULE, 2.5V

## 512MByte - 64Mx64

### AVM6464U39C5333K5

## FEATURES

JEDEC DDR 333MHz PC2700 Version 1.0

- Clock frequency: 166MHz 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
- 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
- 29.46mm (1.16 inch) height

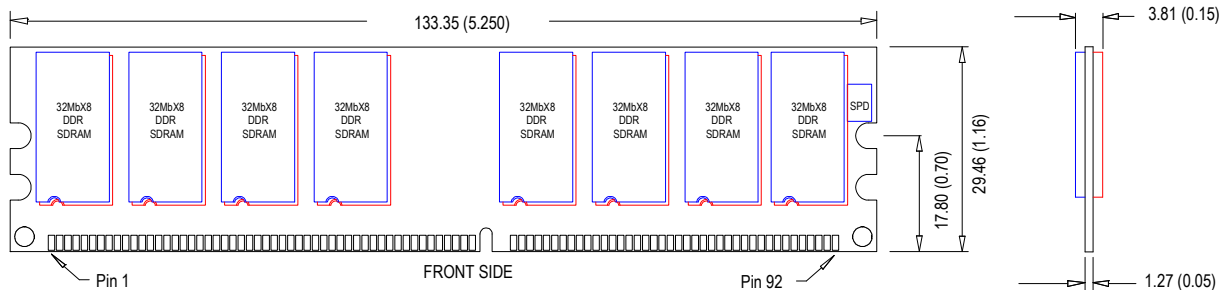
## DESCRIPTION

The AVM6464U39C5333K5 is a 184 pin Unbuffered DDR SDRAM DIMM memory 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 AVM6464U39C5266K5 memory module is 512 MByte and organized as 64Mx64 array using (16) 32Mx8 SDRAMs in TSSOP II packages.

All memory modules are 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>64</b>	<b>U</b>	<b>39</b>	<b>C</b>	<b>5</b>	<b>333</b>	<b>K</b>	<b>5</b>
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	39=8Mx8x4 (DDR SDRAM)	C=2.5V	5=CAS LATENCY 2.5	333MHz	K=DDR SDRAM	REV=5

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



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