



# DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V 1GByte - 128MX64 AVF6428U61F8600G1-AP

## FEATURES

JEDEC DDR3 PC3-12800 1600MT/s, Lead Free, RoHS compliant

- Clock frequency: 667MHz with CAS latency 8
- 256 byte serial EEPROM
- Data input and output masking
- Programmable Partial Array Self-Refresh (PASR)
- Programmable Output driver impedance control
- Programmable CAS latency: 8
- Burst lengths (BL): 8 and 4 with Burst Chop (BC)
- Bi-directional Differential Data-Strobe
- Gold card edge fingers
- 8K refresh per 64ms
- Low active and standby current consumption
- On Die Termination (ODT)
- Auto refresh and self refresh capability
- Single-sided module
- 30mm (1.181 inch) height

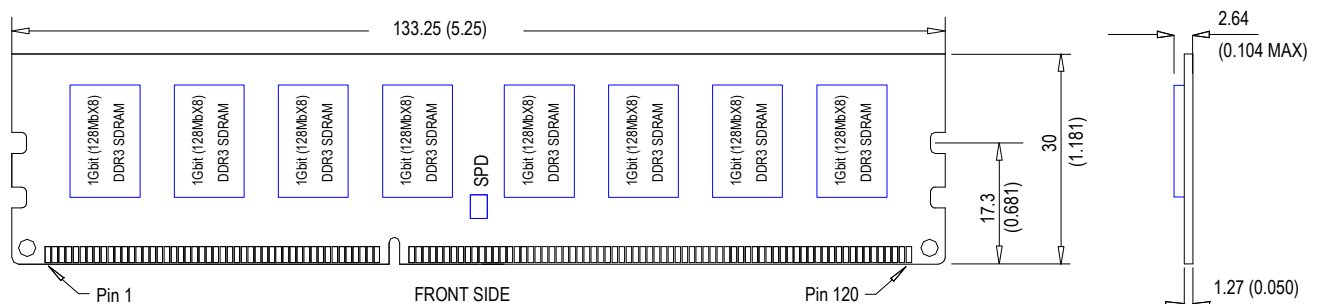
## DESCRIPTION

The AVF6428U61F8600G1-AP is an Unbuffered DDR3 SDRAM DIMM module. This module is JEDEC MO-269 R/C A DDR3 SDRAM Unbuffered DIMM. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVF6428U61F8600G1-AP memory module is 1GByte and organized as 128MX64 array using (8) 128MX8 DDR3 SDRAMs in lead free, FBGA packages.

The module PCB 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- The dimensional drawings are for reference only. Refer to the JEDEC document for additional information.

**Avant Ordering Guides**

<b>AV</b>	<b>F</b>	<b>64</b>	<b>28</b>	<b>U</b>	<b>61</b>	<b>F</b>	<b>8</b>	<b>600</b>	<b>G</b>	<b>1</b>
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DDR3 DIMM	64=x64	28=128M	U = Unbuffered	61 = 16Mx8x8 (DDR3 SDRAM)	F = 1.5V	8 = CAS LATENCY 8	1600MT/s	G=DDR3 SDRAM	REV=1

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.