



# DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V

## 1GByte - 128MX64

### AVF6428U52F8066G2

## FEATURES

JEDEC DDR3 PC3-8500 1066MHz

- Clock frequency: 533MHz 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
- Double-sided module
- 1.18 inch height

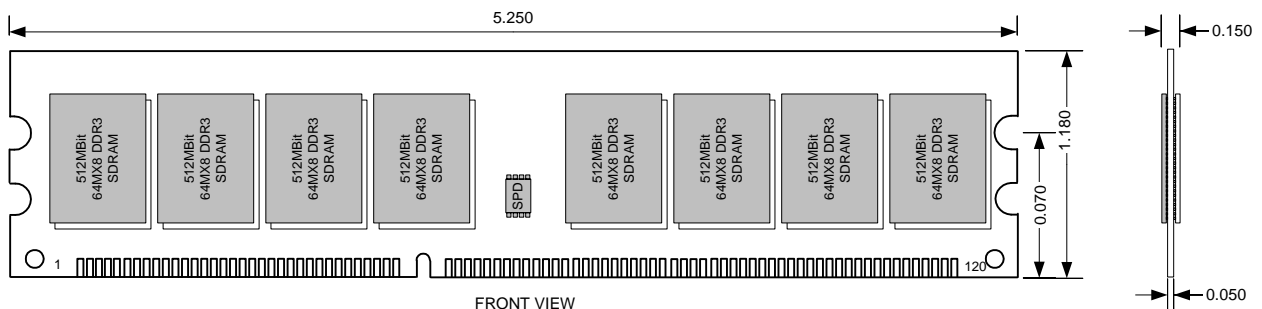
## DESCRIPTION

The AVF6428U52F8066G2 is an Unbuffered DDR3 SDRAM DIMM module. This module is JEDEC Pinout compatible 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 AVF6428U52F8066G2 memory module is 1GByte and organized as 128MX64 array using (16) 64MX8 DDR3 SDRAMs in 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



NOTE: All gray ICs are on the top, and all white ICs are on the back side of the module.

**Avant Ordering Guides**

<b>AV</b>	<b>F</b>	<b>64</b>	<b>28</b>	<b>U</b>	<b>52</b>	<b>F</b>	<b>8</b>	<b>066</b>	<b>G</b>	<b>2</b>
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DIMM	64=x64	28=128M	U = Unbuffered	52 = 16Mx8x4 (DDR3 SDRAM)	F = 1.5V	8 = CAS LATENCY 8	1066MHZ	G=DDR3 SDRAM	REV=2

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



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