



# DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V 4GByte - 512MX64 AVF6451U64F7066G2-AP

## FEATURES

JEDEC DDR3 PC3-8500 1066MT/s, Lead Free, RoHS compliant

- Clock frequency: 533MHz with CAS latency 7
- 256 byte serial EEPROM
- Data input and output masking
- Programmable Partial Array Self-Refresh (PASR)
- Programmable Output driver impedance control
- Programmable CAS latency: 7
- 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
- 30mm (1.181 inch) height

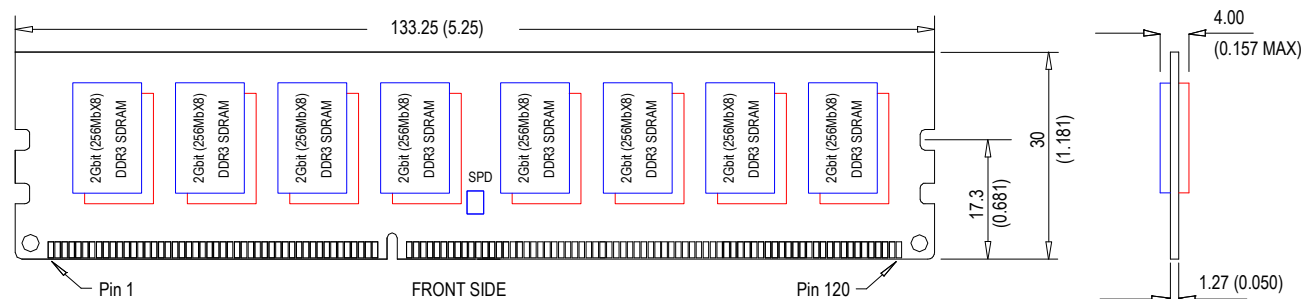
## DESCRIPTION

The AVF6451U64F7066G2-AP is an Unbuffered DDR3 SDRAM DIMM module. This module is JEDEC MO-269 R/C B 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 AVF6451U64F7066G2-AP memory module is 4GByte and organized as 512MX64 array using (16) 256MX8 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.  
3- All blue ICs are on the front, and all red ICs are on the back side of the module.

**Avant Ordering Guides**

<b>AV</b>	<b>F</b>	<b>64</b>	<b>51</b>	<b>U</b>	<b>64</b>	<b>F</b>	<b>7</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 DDR3 DIMM	64 = X64	51 = 512M	U=UNBUFFERED	64 = 32Mx8x8 (DDR3 SDRAM)	F = 1.5V	7 = CAS LATENCY 7	1066MT/s	G = DDR3 SDRAM	REV=2

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



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