



# DDR3 SDRAM REGISTERED DIMM MODULE, 1.5V 8GByte - 1GX72 AVF721GR79F7066G8-AP

## FEATURES

JEDEC DDR2 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 burst length: 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 7
- 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 (1.18 inch) height

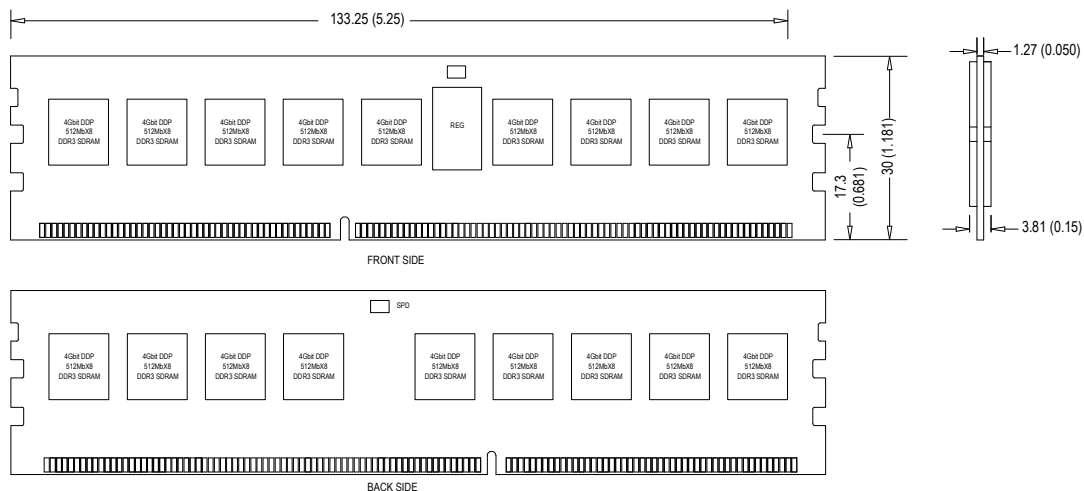
## DESCRIPTION

The AVF721GR79F7066G8-AP is a Registered DDR3 SDRAM DIMM module. This module is JEDEC MO-269 R/C F DDR3 SDRAM Registered DIMM. The module has all the addresses and control signals buffered to reduce capacitive loading. The module utilizes a phase lock loop to reduce the capacitive loading on the clock signals and to synchronize all SDRAM input clocks with the system clock. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVF721GR79F7066G8-AP memory module is 8GByte and organized as 1GX72 ECC array using (18) 512MX8 DDR3 DDP SDRAMs in lead-free FBGA packages.

The module PCB is fabricated using the latest technology design, ten-layer printed circuit board substrate construction with low ESR decoupling capacitors on-board for high reliability and low noise.

## PHYSICAL DIMENSIONS



NOTES: All dimensions are in millimeters (inches) and for reference only  
Refer to the JEDEC document for additional information.

**Avant Ordering Guides**

<b>AV</b>	<b>F</b>	<b>72</b>	<b>1G</b>	<b>R</b>	<b>79</b>	<b>F</b>	<b>7</b>	<b>066</b>	<b>G</b>	<b>8</b>
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F = 240-PIN DDR3 DIMM	72=X72	1G= 1024M	R=REGISTERED	79 = 512Mx8 (DDR3 SDRAM) DDP	F =1.5V	7 = CAS LATENCY 7	1066MT/s	G=DDR3 SDRAM	REV=8

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



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