



DDR3 SDRAM REGISTERED DIMM MODULE, 1.5V 8GByte - 1GX72 AVF721GR84F7066GB-BP

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

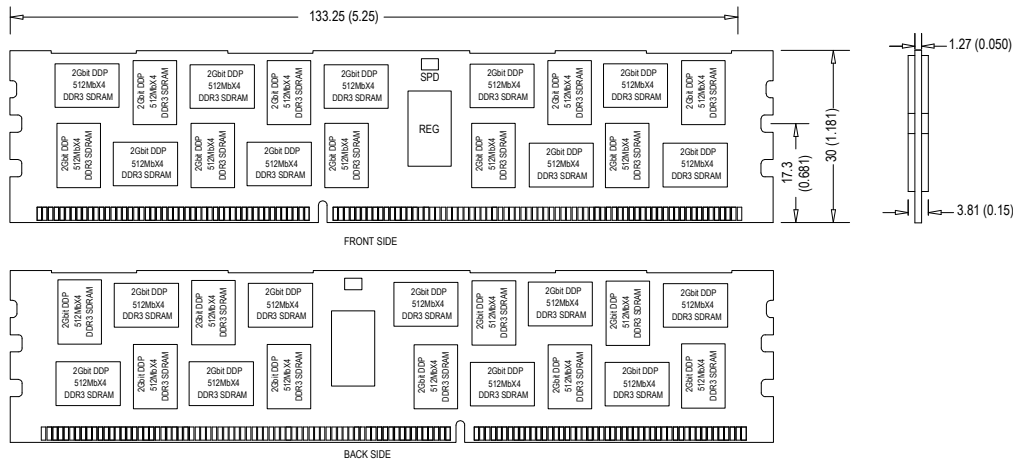
DESCRIPTION

The AVF721GR84F7066GB-BP 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 Temp Sensor serial EEPROM on board can be used to store module information such as timing, configuration, density, etc. as well as to monitor the module temperature and prevent the module from exceeding the maximum operating temperature.

The AVF721GR84F7066GB-BP memory module is 8GByte and organized as 1GX72 ECC array using (36) 512MX4 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

AV	F	72	1G	R	84	F	7	066	G	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	84 = 128Mx4x4 (DDR3 SDRAM) DDP	F =1.5V	7 = CAS LATENCY 7	1066MT/s	G=DDR3 SDRAM	REV=B

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



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