DDR3 SDRAM REGISTERED DIMM MODULE,1.5V
4GByte - 512MX72
AVF7251R61F9333G7-BP

FEATURES

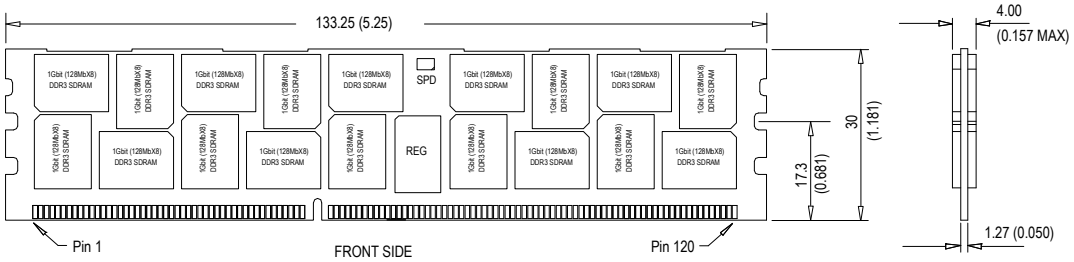
JEDEC DDR2 PC3-10600 1333MT/s, Lead Free, RoHS compliant

- Clock frequency: 533MHz with CAS latency 9
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 9
- 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

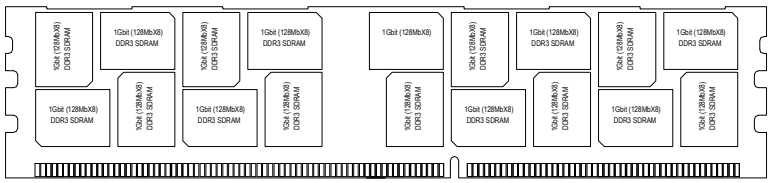
DESCRIPTION

The AVF7251R61F9333G7-BP is a Registered DDR3 SDRAM DIMM module. This module is JEDEC MO-269 R/C H 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 AVF7251R61F9333G7-BP memory module is 4GByte and organized as 512MX72 ECC array using (36) 128MX8 DDR3 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: 1- All dimensions are in milimeters (inches)
2- The dimensional drawings are for reference only. Refer to the JEDEC document for additional information.



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Avant Ordering Guides

AV	F	72	51	R	61	F	9	333	G	7
INVENTORY	**MOD. TYPE**	**ORG.**	**DENSITY**	**PARITY**	**TYPE**	**VOLT.**	**FEATURE**	**SPEED**	**MODE**	**REV**
AV=AVANT	F = 240-PIN DDR3 DIMM	72=X72	51=512M	R=REGISTERED	61 = 16Mx8x8 (DDR3 SDRAM)	F =1.5V	9 = CAS LATENCY 9	1333MT/s	G=DDR3 SDRAM	REV=7

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

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