



DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V 2GByte - 256MX64 AVF6456U61F9333G2-AP

FEATURES

JEDEC DDR3 PC3-10600 1333MT/s, Lead-Free, RoHS compliant

- Clock frequency: 667MHz with CAS latency 9
- 256 byte serial EEPROM
- Data input and output masking
- Programmable Partial Array Self-Refresh (PASR)
- Programmable Output driver impedance control
- Programmable CAS latency: 9
- 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

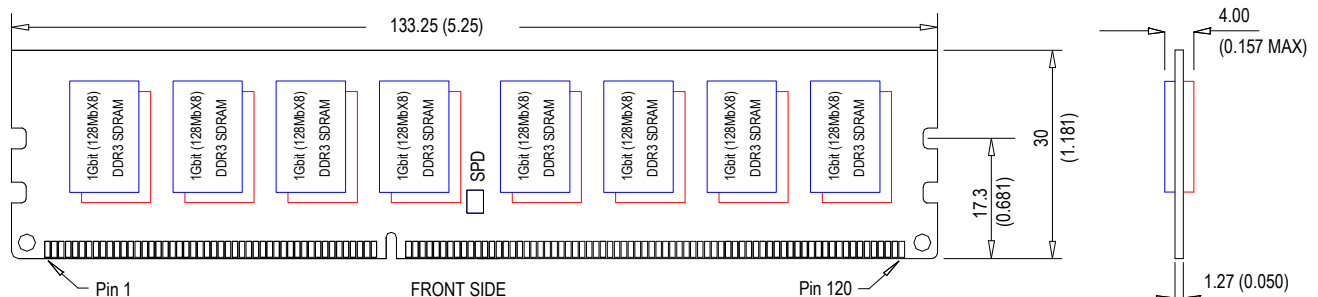
DESCRIPTION

The AVF6456U61F9333G2-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 AVF6456U61F9333G2-AP memory module is 2GByte and organized as 256MX64 array using (16) 128MX8 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

| AV | F | 64 | 56 | U | 61 | F | 9 | 333 | G | 2 |
|-----------|----------------|-----------|-----------|----------------|---------------------------|----------|-------------------|------------|--------------|----------|
| INVENTORY | MOD. TYPE | ORG. | DENSITY | PARITY | TYPE | VOLT. | FEATURE | SPEED | MODE | REV |
| AV=AVANT | F=240-PIN DIMM | 64=x64 | 56=256M | U = Unbuffered | 61 = 16Mx8x8 (DDR3 SDRAM) | F = 1.5V | 9 = CAS LATENCY 9 | 1033MT/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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