



DDR3 SDRAM SO-DIMM MODULE, 1.5V 2GByte - 256MX64 AVH6456U61F7066G2-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
- Fixed Burst lengths (BL) of 8 and Burst Chop (BC) of 4
- Selectable BL8 or BC4 on the fly (OTF)
- 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

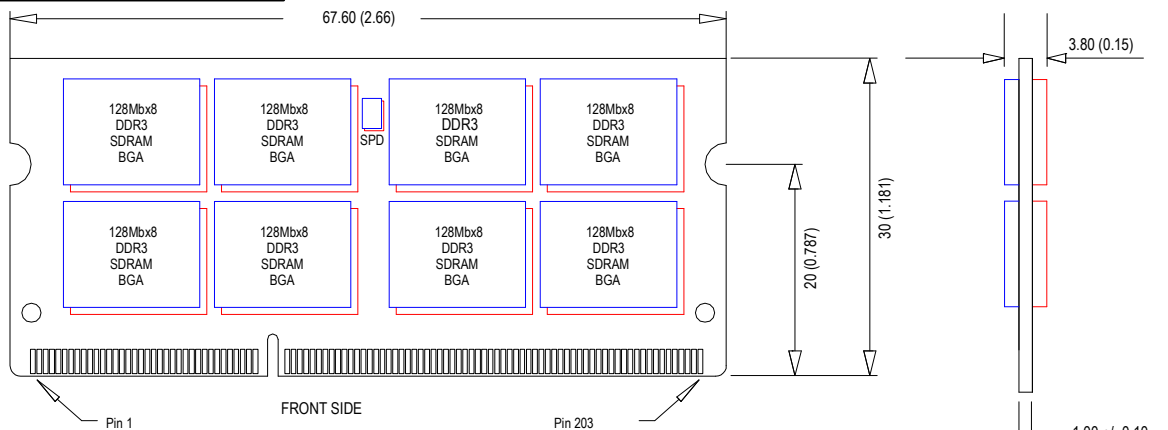
DESCRIPTION

The AVH6456U61F7066G2-AP family consists of Unbuffered DDR3 SDRAM SODIMM memory module. This module is JEDEC MO-268 R/C F 204-pin, small-outline, dual in-line memory module. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVH6456U61F7066G2-AP memory module is 2GByte and organized as a 256MX64 array using (16) 128MX8 lead-free DDR3 SDRAMs in BGA packages.

All memory modules are fabricated using the latest technology design, eight-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.

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| INVENTORY | MOD. TYPE | ORG. | DENSITY | PARITY | TYPE | VOLT. | FEATURE | SPEED | MODE | REV |
|------------|---------------------|--------|---------|--------------|--------------------------|----------|-------------------|----------|-----------------|-------|
| AV = AVANT | H = 204-PIN SO-DIMM | 64=X64 | 56=256M | U=UNBUFFERED | 61 = 16Mx8x8 (128Mx8) | 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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