DDR3 SDRAM SO-DIMM MODULE, 1.5V
2GByte - 256MX64
AVH6456U61F7066G1-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

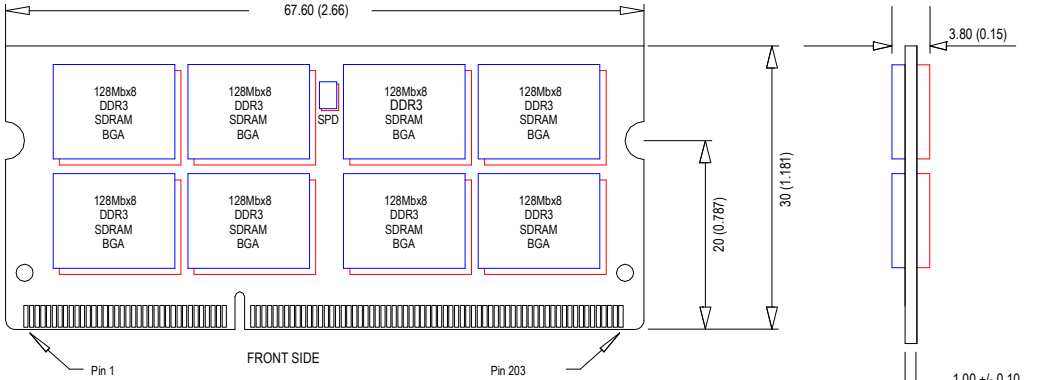
DESCRIPTION

The AVH6456U61F7066G1-AP is an Unbuffered DDR3 SDRAM SODIMM memory module. This module is JEDEC MO-268 R/C F 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 AVH6456U61F7066G1-AP memory module is 2GByte and organized as a 256MX64 array using (16) 128MX8 DR3 SDRAMs in lead-free FBGA 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 milimeters (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.

Copyright© Avant™ Technology LP. 2010
All rights reserved

Avant™ Technology LP.
828 New Meister Ln,Bldg 10,Suite #300,Pflugerville,TX 78660
Ph (512) 651-5300 Fax (512) 651-5251

Avant Ordering Guides

AV	H	64	56	U	61	F	7	066	G	1
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=1

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

Avant™ Technology LP., reserves the right to change products or specifications without notice.

Copyright© Avant™ Technology LP. 2010
All rights reserved

Avant™ Technology LP.
828 New Meister Ln,Bldg 10,Suite #300,Pflugerville,TX 78660
Ph (512) 651-5300 Fax (512) 651-5251