



# DDR3 SDRAM SO-DIMM MODULE, 1.5V 1GByte - 128MX64 AVH6428U61F7066G1-BP

## 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

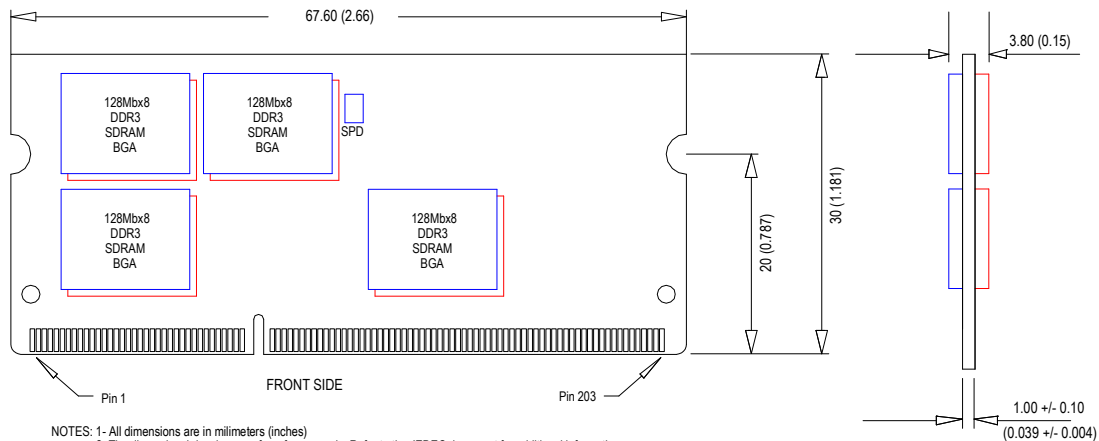
## DESCRIPTION

The AVH6428U61F7066G1-BP 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 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 AVH6428U61F7066G1-BP memory module is 1GByte and organized as a 128MX64 array using (8) 128MX8 DDR3 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



**Avant Ordering Guides**

INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV = AVANT	H = 204-PIN SO-DIMM	64=X64	28=128M	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.