



DDR3 SDRAM SO-DIMM MODULE, 1.5V 4GByte - 512MX64 AVH6451U79F7066G4-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

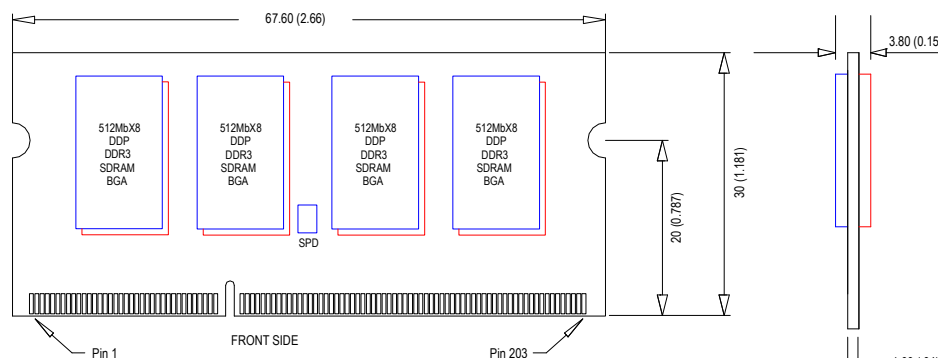
DESCRIPTION

The AVH6451U79F7066G4-BP is an Unbuffered DDR3 SDRAM SODIMM memory module. This module is JEDEC MO-268 R/C D 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 AVH6451U79F7066G4-BP memory module is 4GByte and organized as a 512MX64 array using (8) 512MX8 DDP 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



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	51 = 512M	U=UNBUFFERED	79 = 32Mx8x8x2 (512Mx8 DDP)	F = 1.5V	7 = CAS LATENCY 7	1066MT/s	G = DDR3 SDRAM	REV=4

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



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