



DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V 4GByte - 512MX64 AVF6451U64F7066G7-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
- 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

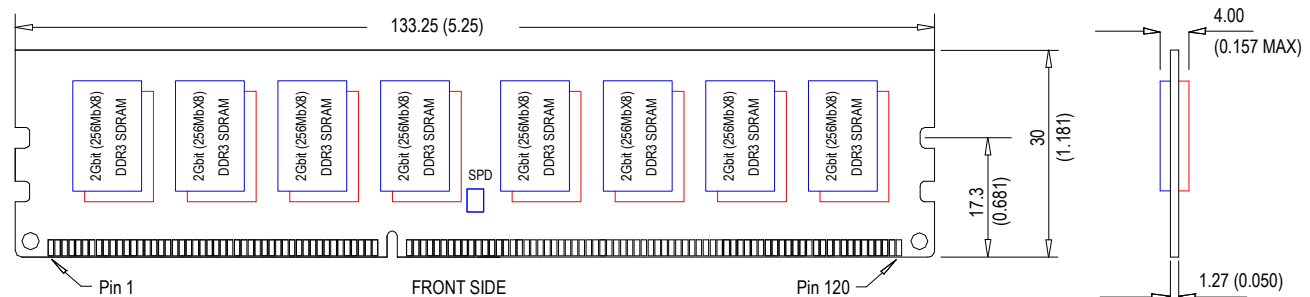
DESCRIPTION

The AVF6451U64F7066G7-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 AVF6451U64F7066G7-AP memory module is 4GByte and organized as 512MX64 array using (16) 256MX8 DDR3 SDRAMs in lead free FBGA packages.

The module PCB is 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.

Avant Ordering Guides

INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV = AVANT	F = 240-PIN DDR3 DIMM	64 = X64	51 = 512M	U=UNBUFFERED	64 = 32Mx8x8 (DDR3 SDRAM)	F = 1.5V	7 = CAS LATENCY 7	1066MT/s	G = DDR3 SDRAM	REV=7

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.