



DDR3 SDRAM UNBUFFERED DIMM MODULE, 1.5V

1GByte - 128MX64

AVF6428U52F8333G2-AP

FEATURES

JEDEC DDR3 PC3-10600 1333MHz, Lead-Free, RoHS compliant

- Clock frequency: 667MHz with CAS latency 8
- 256 byte serial EEPROM
- Data input and output masking
- Programmable Partial Array Self-Refresh (PASR)
- Programmable Output driver impedance control
- Programmable CAS latency: 8
- 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 (1.18 inch) height

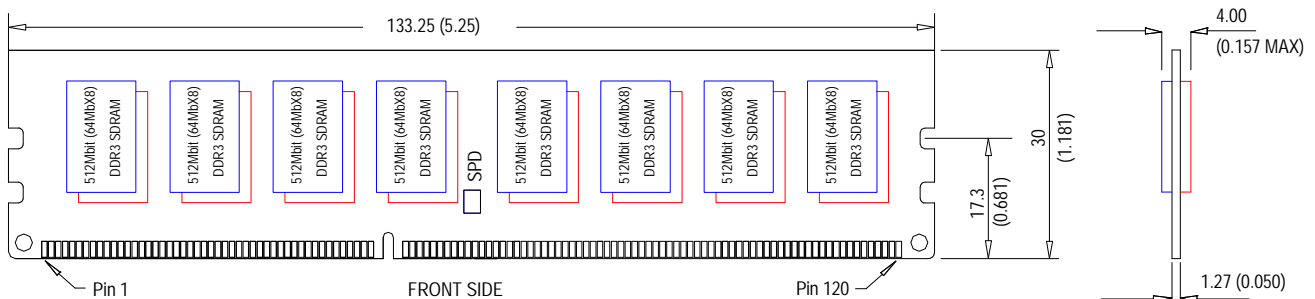
DESCRIPTION

The AVF6428U52F8333G2-AP is an Unbuffered DDR3 SDRAM DIMM module. This module is JEDEC Pinout compatible 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 AVF6428U52F8333G2-AP memory module is 1GByte and organized as 128MX64 array using (16) 64MX8 DDR3 SDRAMs in FBGA packages.

The module PCB is fabricated using the latest technology design, six-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

AV	F	64	28	U	52	F	8	333	G	2
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DIMM	64=x64	28=128M	U = Unbuffered	52 = 16Mx8x4 (DDR3 SDRAM)	F = 1.5V	8 = CAS LATENCY 8	1333MHZ	G=DDR3 SDRAM	REV=2

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.