



DDR2 SDRAM UNBUFFERED DIMM MODULE, 1.8V

1GByte - 128MX64

AVF6428U52E5800FA-AP

FEATURES

JEDEC DDR2 PC2-6400 800MT/s, Lead Free, RoHS compliant

- Clock frequency: 400MHz with CAS latency 5
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 5
- Bi-directional Differential Data-Strobe
- Gold card edge fingers
- 8K refresh per 64ms
- Low active and standby current consumption
- On Die Termination
- Auto refresh and self refresh capability
- Double-sided module
- 18.30mm (0.72 inch) height

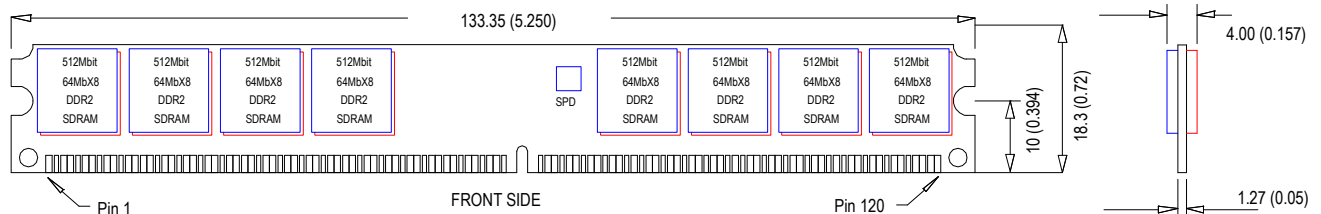
DESCRIPTION

The AVF6428U52E5800FA-AP is a VLP (Very Low Profile) Unbuffered DDR2 SDRAM DIMM module. This module is JEDEC Pinout compatible DDR2 SDRAM Unbuffered DIMM. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVF6428U52E5800FA-AP memory module is 1GByte and organized as 128MX64 array using (16) 64MX8 DDR2 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- All blue ICs are on the front, and all red ICs are on the back side of the module.
 3- The dimensional drawings are for reference only. Refer to the JEDEC document for additional information.

Avant Ordering Guides

INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DDR2 DIMM	64=x64	28 = 128M	U=UNBUFFERED	52 = 16Mx8x4 (DDR2 SDRAM)	E=1.8V	5 = CAS LATENCY 5	800MT/s	F=DDR2 SDRAM	REV=A

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.