



DDR2 SDRAM UNBUFFERED DIMM MODULE, 1.8V 2GByte - 256MX64 AVF6456U61E6800F6-AP

FEATURES

JEDEC DDR2 PC2-6400 800MHz, Lead Free, RoHS compliant

- Clock frequency: 400MHz with CAS latency 6
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 6
- 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
- 29.4mm (1.16 inch) height

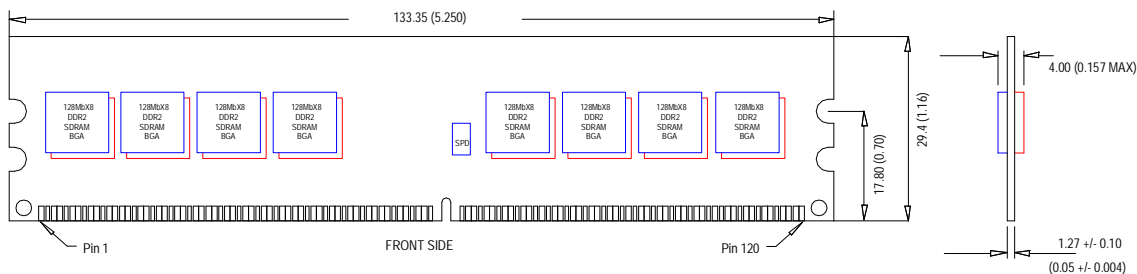
DESCRIPTION

The AVF6456U61E6800F6-AP is an 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 AVF6456U61E6800F6-AP memory module is 2GByte and organized as 256MX64 array using (16) 128MX8 DDR2 SDRAMs in lead-free, 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	56	U	61	E	6	800	F	6
INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DDR2 DIMM	64=x64	56 = 256M	U = Unbuffered	61 = 16Mx8x8 (DDR2 SDRAM)	E=1.8V	6 = CAS LATENCY 6	800MHZ	F=DDR2 SDRAM	REV=6

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



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