



# DDR2 SDRAM UNBUFFERED DIMM MODULE, 1.8V

## 2GByte - 256MX64

### AVF6456U61E5066F9-AP

## FEATURES

JEDEC DDR2 PC2-8500 1066MT/s, Lead Free, RoHS compliant

- Clock frequency: 533MHz 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
- 28.96mm (1.14 inch) height

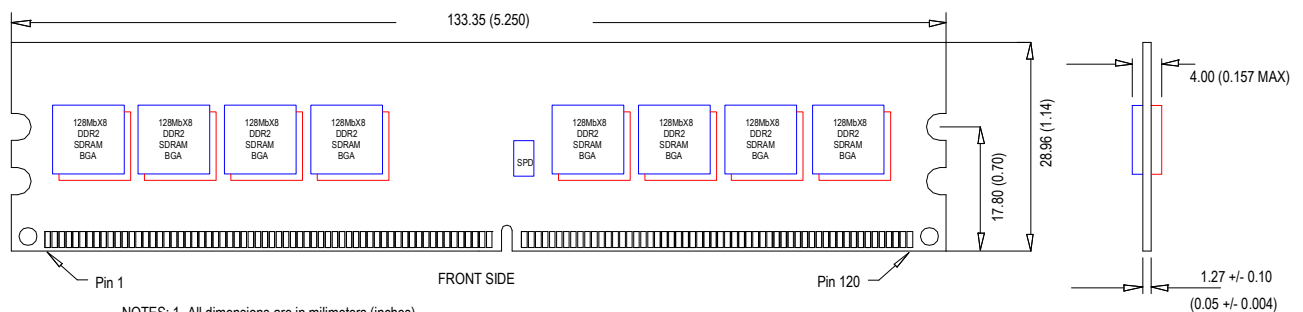
## DESCRIPTION

The AVF6456U61E5066F9-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 AVF6456U61E5066F9-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



**Avant Ordering Guides**

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	5 = CAS LATENCY 5	1066MT/s	F = DDR2 SDRAM	REV=9

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.