



DDR2 SDRAM REGISTERED DIMM MODULE, 1.8V

1GByte - 128MX72

AVF7228R53E4533F7-AP

FEATURES

JEDEC DDR2 PC2-4200 533MT/s, Lead Free, RoHS compliant

- Clock frequency: 267MHz with CAS latency 4
- 256 byte serial EEPROM
- Data input and output masking
- Programmable burst length: 4, 8
- Programmable burst type: sequential and interleave
- Programmable CAS latency: 4
- 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
- 18.3mm (0.72) inch height

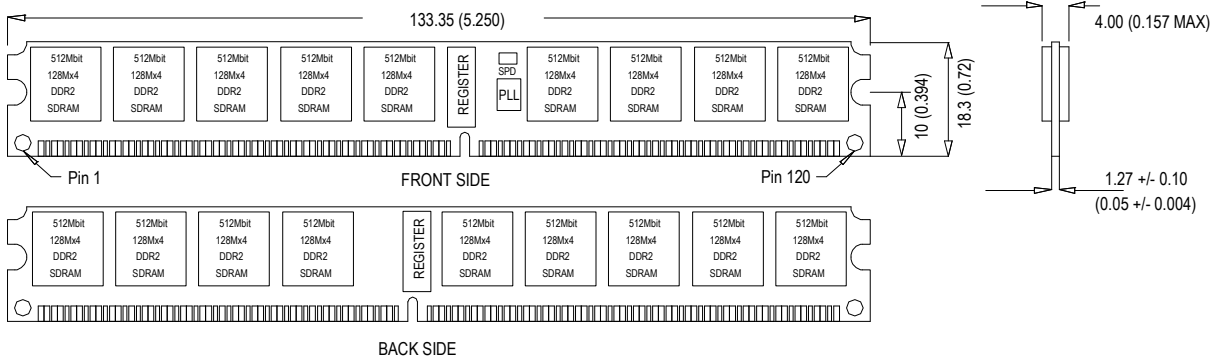
DESCRIPTION

The AVF7228R53E4533F7-AP is a VLP (Very Low Profile) Registered DDR2 SDRAM DIMM module. This module is JEDEC MO-237 R/C U DDR2 SDRAM Registered DIMM. The module has all the addresses and control signals buffered to reduce capacitive loading. The module utilizes a phase lock loop to reduce the capacitive loading on the clock signals and to synchronize all SDRAM input clocks with the system clock. A 256 byte serial EEPROM on board can be used to store module information such as timing, configuration, density, etc.

The AVF7228R53E4533F7-AP memory module is 1GByte and organized as 128MX72 ECC array using (18) 128MX4 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- The dimensional drawings are for reference only. Refer to the JEDEC document for additional information.

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INVENTORY	MOD. TYPE	ORG.	DENSITY	PARITY	TYPE	VOLT.	FEATURE	SPEED	MODE	REV
AV=AVANT	F=240-PIN DDR2 DIMM	72=X72	28=128M	R=REGISTERED	53 = 32Mx4x4 (DDR SDRAM)	E =1.8V	4 = CAS LATENCY 4	533MT/s	F=DDR2 SDRAM	REV=7

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



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