

DVM26R1T8/8G

8GB - 288-Pin 1Rx8 Registered ECC DDR4 DIMM

Identification

DVM26R1T8/8G 1Gx72 8GB 1Rx8 PC4-2666V-R19

Performance Range

Features

Clock / Module Speed / CL-t_{RCD} -t_{RP} 1333 Hz / PC4-2666 / 19-19-19 1200 MHz / PC4-2400 / 18-18-18 1200 MHz / PC4-2400 / 17-17-17 1067MHz / PC4-2133 / 16-16-16 1067MHz / PC4-2133 / 15-15-15 933 Hz / PC4-1866 / 14-14-14 933 Hz / PC4-1600 / 12-12-12 667 MHz / PC4-1600 / 10-10-10



000 min JEDEC compliant DIMM 422.25 mm wide by 24.25 mm bigh

288-pin JEDEC-compliant DIMM, 133.35 mm wide by 31.25 mm high

Operating Voltage: VDD/VDDQ = 1.2V (1.14V to 1.26V)

Operating Temperature (Environment, Ambient T_{OPR}) – 0 to 65 C

Operating Temperature (DRAM TOPER) - 0 to 85 C

VPP = 2.5V (2.375V to 2.75V) VDDSPD = 2.25V to 2.75V I/O Type: 1.2 V signaling

On-board I²C temperature sensor with integrated Serial Presence-Detect (SPD) EEPROM

Data Transfer Rate: 21.3 Gigabytes/sec Data Bursts: 8 and burst chop 4 mode

ZQ Calibration for Output Driver and On-Die Termination (ODT)

Programmable ODT / Dynamic ODT during Writes

Programmable CAS Latency: 10, 12, 13, 14, 15, 16, 17, 18 and 19

Bi-directional Differential Data Strobe signals
Per DRAM Addressability is supported
Write CRC is supported at all speed grades
DBI (Data Bus Inversion) is supported (x8 only)

CA parity (Command/Address Parity) mode is supported

Supports ECC error correction and detection

16 internal banks

SDRAM Addressing (Row/Col/BG/BA): 16/10/2/2

Fully RoHS Compliant

Description

DVM26R1T8/8G is a registered 1Gx72 memory module, which conforms to JEDEC's DDR4-2666, PC4-2666 standard. The assembly is Single-Rank, comprised of nine 1Gbx8 DDR4-2666 SDRAMs.

One EEPROM is used for Serial Presence Detect and a combination register/PLL, with Address and Command Parity, is also used.

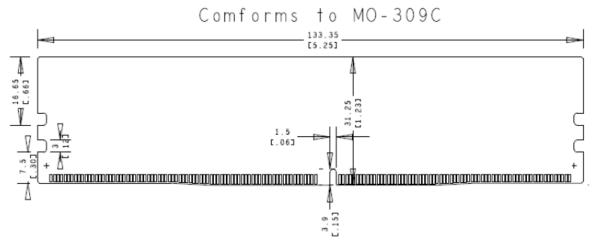
Both output driver strength and input termination impedance are programmable to maintain signal integrity on the I/O signals in a Fly-by topology.

A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C.

Notes

Tolerances on all dimensions except where otherwise indicated are ±.13 (.005).

All dimensions are expressed in millimeters [inches]



DVM26R1T8/8G 04-Sept-19