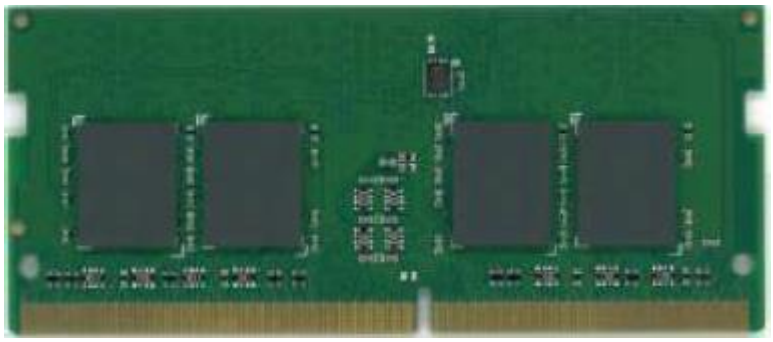
DVM24D1T8/8G

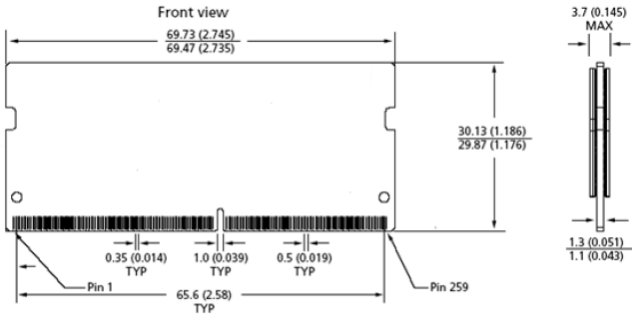
8GB - 260-Pin 1Rx8 Unbuffered ECC DDR4 SODIMM

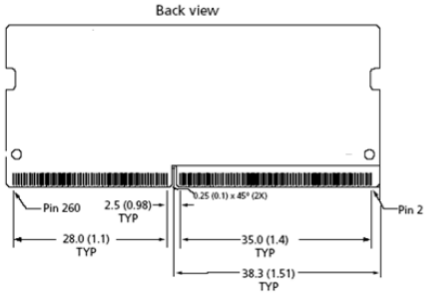
Identification
DVM24D1T8/8G 1Gx72
8GB 1Rx8 PC4-2400T-D17



Performance Range
Clock / Module Speed / CL-t_{RCD} –t_{RP}
1200 MHz / PC4-2400 / 18-18-18
1200 MHz / PC4-2400 / 17-17-17
1067 MHz / PC4-2133 / 16-16-16
1067 MHz / PC4-2133 / 15-15-15
933 MHz / PC4-1866 / 14-14-14
933 MHz / PC4-1866 / 13-13-13
800 MHz / PC4-1600 / 12-12-12
800 MHz / PC4-1600 / 11-11-11
667 MHz / PC4-1600 / 10-10-10

Features	Description
260-pin JEDEC-compliant DIMM, 69.60 mm wide by 30.00 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 T_{OPER}) – 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 I^2C Serial Presence-Detect (SPD) EEPROM Data Transfer Rate: 19.2 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, 11, 12, 13, 14, 15, 16, 17 and 18 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 16 internal banks SDRAM Addressing (Row/Col/BG/BA): 16/10/2/2 Fully RoHS Compliant	**DVM24D1T8/8G** is an Unbuffered 1Gx72 small – outline memory module, which conforms to JEDEC's DDR4-2400, PC4-2400 standard. The assembly is Single-Rank, comprised of nine 512Mbx8 DDR4-2400 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.





Notes

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

All dimensions are expressed in millimeters [inches]