

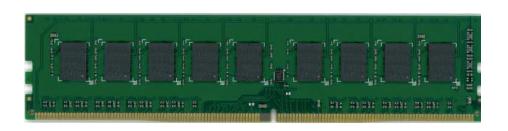
DRH2666E/8GB

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

Identification **DRH2666E/8GB** 1Gx72 8GB 1Rx8 PC4-2666V-E-19

Performance Range

Clock / Module Speed / CL-t_{RCD} -t_{RP} 1333MHz / PC4-2666 / 19-19-19 1200 MHz / PC4-2400 / 17-17-17 1067MHz / PC4-2133 / 15-15-15 933 Hz / PC4-1866 / 13-13-13 800 Hz / PC4-1600 / 11-11-11



Features

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)

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

16 internal banks

Fully RoHS Compliant

Description

DRH2666E/8GB is an Unbuffered 1Gx72 memory module, which conforms to JEDEC's DDR4-2666, PC4-2666 standard. The assembly is Single-Rank, comprised of nine 512Mbx8 DDR4-2666 SDRAMs.

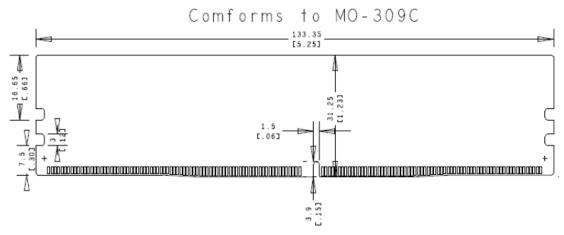
One EEPROM is used for Serial Presence Detect.

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 $\pm .13$ (.005). All dimensions are expressed in millimeters [inches]



DRH2666E/8GB 27-Aug-19