

# DRF2666E/16GB

### 16GB - 288-Pin 2Rx8 Unbuffered ECC DDR4 DIMM

#### Identification DRF2666E/16GB 2Gx72 16GB 2Rx8 PC4-2666V-E-19

#### **Performance Range**

Clock / Module Speed / CL-t<sub>RCD</sub> -t<sub>RP</sub> 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 I<sup>2</sup>C 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

16 internal banks

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

Fully RoHS Compliant

## Description

DRF2666E/16GB is an Unbuffered 2Gx72 memory module, which conforms to JEDEC's DDR4-2666, PC4-2666 standard. The assembly is Dual-Rank. Each rank is comprised of nine 1Gx8 DDR4-2666 SDRAMs.

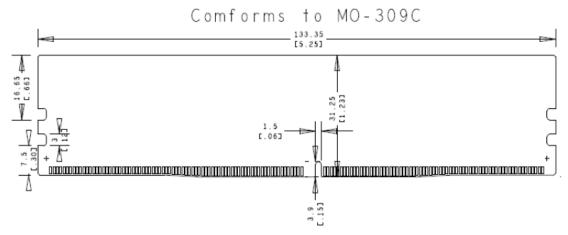
One EEPROM is used for Serial Presence Detect.

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

#### Notes

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

All dimensions are expressed in millimeters [inches]



The information contained in this document has been carefully checked and is believed to be reliable and accurate. However, Dataram assumes no responsibility for errors.