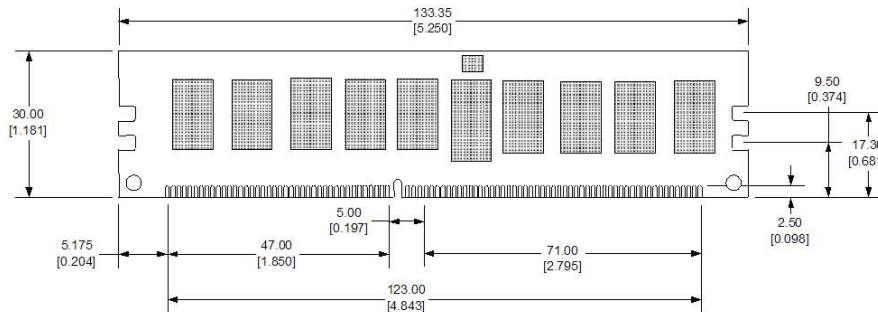


**Products in Family**

 GRV1333R/8GB (1 x 8GB DIMM)  
 GRV1333R/16GB (1 x 16GB DIMM)

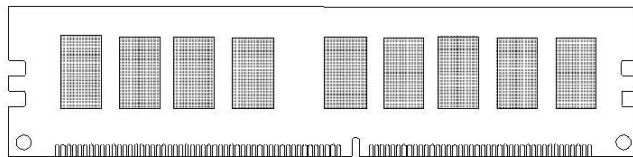

Features	Description
240-pin JEDEC-compliant DIMMs 133.35 mm wide by 30 mm high (1.181" x 5.25") Data Transfer Rate: 10.6 Gigabytes/sec Operating Voltage: 1.5 V ±0.075 Fully RoHS Compliant Thermal Sensor	Each GRV1333R upgrade consists of a single DDR3-1333 Registered ECC DIMM that conforms to JEDEC's DDR3, PC3-10600 standard. One 2K-bit EEPROM is used for Serial Presence Detect and a combination register/PLL with Address and Command Parity is also used. A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C.

Dataram Product	Lenovo Product	Product Description:
GRV1333R/8GB GRV1333R/16GB	0A89412 0A89413	8GB 2Rx4 PC3-10600R-9 16GB 2Rx4 PC3-10600R-9

**Front view**

**Notes**

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

All dimensions are expressed in millimeters [inches]

**Back view**

**Side view**
