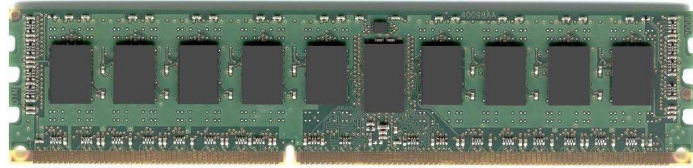


### Products in Family

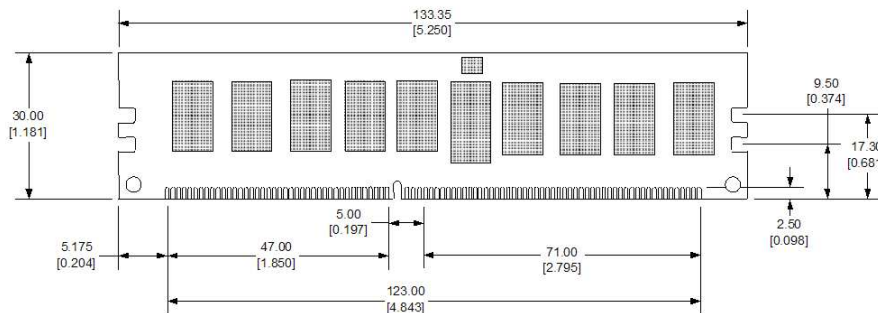
- GRL1333R/1GB (1 x 1GB 1Rx8 DIMMs)
- GRL1333R/2GB (1 x 2GB 2Rx8 DIMMs)
- GRL1333R/4GB (1 x 4GB 2Rx4 DIMMs)
- GRL1333R2/4GB (1 x 4GB 2Rx8 DIMMs)
- GRL1333RS/4GB (1 x 4GB 1Rx4 DIMMs)
- GRL1333R/8GB (1 x 8GB 2Rx4 DIMMs)



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 $\pm$ 0.075 Fully RoHS Compliant Thermal Sensor	Each GRL1333R 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	Dell Product	Supported in these Dell systems:
GRL1333R/1GB GRL1333R/2GB	A2626852, A2626756 A2626069, A2626090, A2626095, A2626064, A2626074, A2626079, A3116517, A3597106	Dell PowerEdge M610, M710, R310, R410, R510, R610, R710, R715, R815, T310, T410, T610, T710, C1100, C2100, C6100 and Precision T5500, T7500
GRL1333R/4GB	A2626086, A2626067, A2626076, A2626093, A2626060, A2626072, A2626098, A2626083, A3597110	
GRL1333R2/4GB	A4838315, A4838314, A4838313, A4838302, A4838301, A4838300, A4838299, A4838298, A4838297, A4838296, A4838295, A4838294, A4838293, A4838292, A4838290, A4838289, A4838288, A4838287, A5180252	
GRL1333RS/4GB GRL1333R/8GB	Not Offered Not Offered	

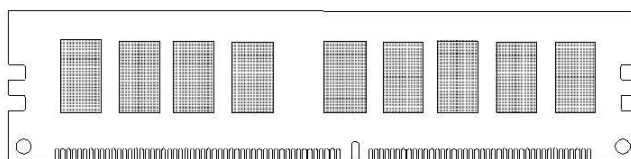
### Front view



### Notes

Tolerances on all dimensions except where otherwise indicated are  $\pm$ .13 (.005).  
 All dimensions are expressed in millimeters [inches]

### Back view



### Side view

