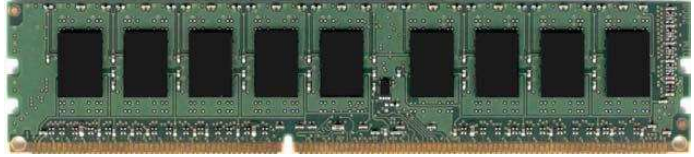


### Products in Family

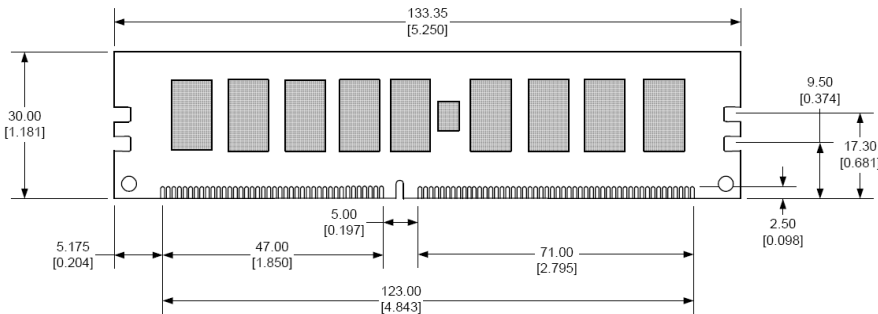
GRHZ1X2E/8GB (2 x 4GB 2Rx8 DIMM)  
 GRHZ1X4E/16GB (4 x 4GB 2Rx8 DIMM)  
 GRHZ1X2E/16GB (2 x 8GB 2Rx8 DIMM)  
 GRHZ1X4E/32GB (4 x 8GB 2Rx8 DIMM)



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: 1.35 V ±0.075 Fully RoHS Compliant	Each GRHZ1X2E upgrade consists of two, and each GRHZ1X4E upgrade consists of four, DDR3-1333 Unbuffered ECC DIMMs that conform to JEDEC's DDR3, PC3-10600 standard. One 2K-bit EEPROM is used for Serial Presence Detect.

Dataram Product	HP Product	Supported in these HP systems:
GRHZ1X2E/8GB GRHZ1X4E/16GB GRHZ1X2E/16GB GRHZ1X4E/32GB	A2H31AV A2H32AV A2H33AV A2H34AV	HP Z1 Workstation

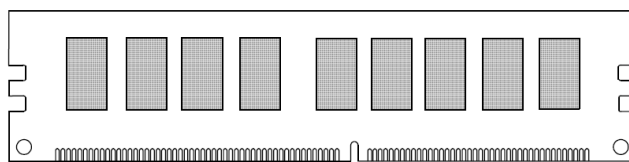
### Front view



### Notes

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

### Back view



### Side view

