

### Products in Family

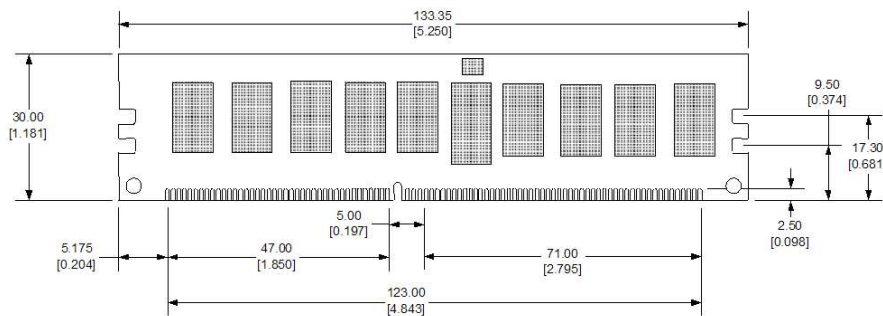
GRIPF460/32GB (2 x 16GB 2Rx4 DIMMs)  
GRIPF460/64GB (2 x 32GB 4Rx4 DIMMs)



Features	Description
240-pin JEDEC-compliant DIMMs 133.35 mm wide by 30 mm high (1.181" x 5.25") Data Transfer Rate: 8.53 Gigabytes/sec Operating Voltage: 1.35V(1.28V~1.45V) Fully RoHS Compliant Thermal Sensor	Each GRIPF460 upgrade consists of two DGR3 1066 MHz Registered ECC DIMMs. One 2K-bit EEPROM is used for Serial Presence Detect and a combination register/PLL with AdGRes 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	IBM Product	Product Description
GRIPF460/32GB GRIPF460/64GB	EEME EEMF	32 GB (2 x 16 GB RDIMMs) 4Gb DGR3 1066 MHz 64 GB (2 x 32 GB RDIMMs) 4Gb DGR3 1066 MHz

### Front view

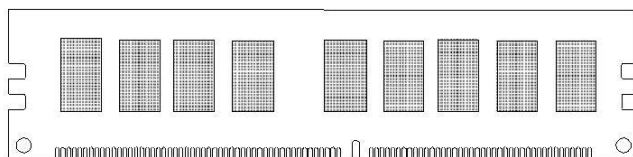


### Notes

Tolerances on all dimensions except where otherwise indicated are  $\pm 0.13$  (.005).

All dimensions are expressed in millimeters [inches]

### Back view



### Side view

