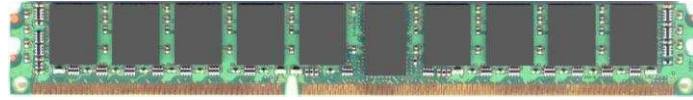


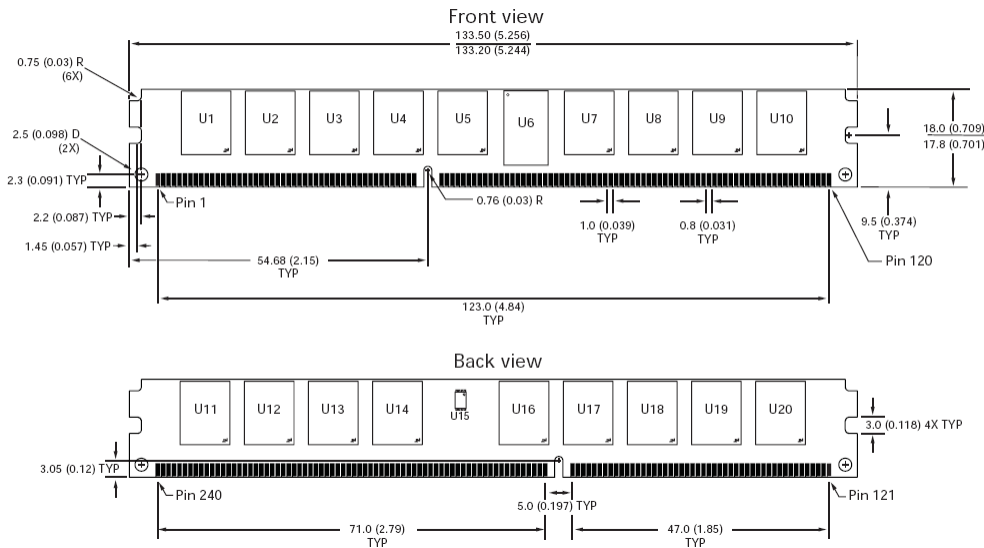
Products in Family

- GRIHS22L/2GB (1 x 2GB 1R VLP DIMM)
- GRIHS22L/4GB (1 x 4GB 2R VLP DIMM)
- GRIHS22LS/4GB (1 x 4GB 1R VLP DIMM)
- GRIHS22L8/4GB (1 x 4GB 2R VLP DIMM)
- GRIHS22L3/8GB (1 x 8GB 2R VLP DIMM)
- GRIHS22LS/8GB (1 x 8GB 1R VLP DIMM)
- GRIHS22L8/8GB (1 x 8GB 2R VLP DIMM)
- GRIHS22L/8GB (1 x 8GB 2R VLP DIMM)
- GRIHS22L/16GB (1 x 16GB 2R VLP DIMM)



Features	Description
<p>240-pin JEDEC-compliant Very Low Profile (VLP) DIMMs 133.35 mm wide by 18.7 mm high (.738" x 5.25") Data Transfer Rate: up to 10.6 Gigabytes/sec Operating Voltage: 1.35 V ±0.075 Error Checking and Correction (ECC) bits Supports Intel SDDC and Chipkill Advanced ECC Features Fully RoHS Compliant</p>	<p>Each GRIHS22L upgrade consists of a matched pair of DDR3L Registered VLP DIMMs with address/command parity functionality. 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. Some of these DIMMs have a heat shield.</p>

Dataram Product	IBM Product	Product Description
GRIHS22L/2GB	46C0561	2GB 1Rx4 PC3L-10600R-9
GRIHS22L/4GB	46C0567	4GB 2Rx4 PC3L-10600R-9
GRIHS22LS/4GB	46C0563	4GB 1Rx4 PC3L-10600R-9
GRIHS22L8/4GB	46C0564	4GB 2Rx8 PC3L-10600R-9
GRIHS22L3/8GB	46C0568	8GB 2Rx4 PC3L-10600R-9
GRIHS22LS/8GB	00D4981	8GB 1Rx4 PC3L-10600R-9
GRIHS22L8/8GB	00D4985	8GB 2Rx8 PC3L-10600R-9
GRIHS22L/8GB	46C0569	8GB 2Rx4 PC3L-8500R-9
GRIHS22L/16GB	46C0599	16GB 2Rx4 PC3L-10600R-9



Notes

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

All dimensions are expressed in millimeters.