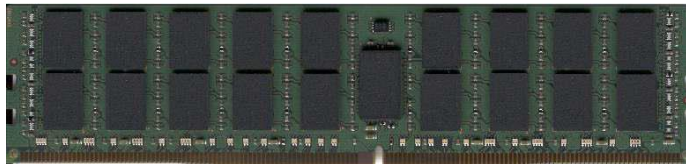


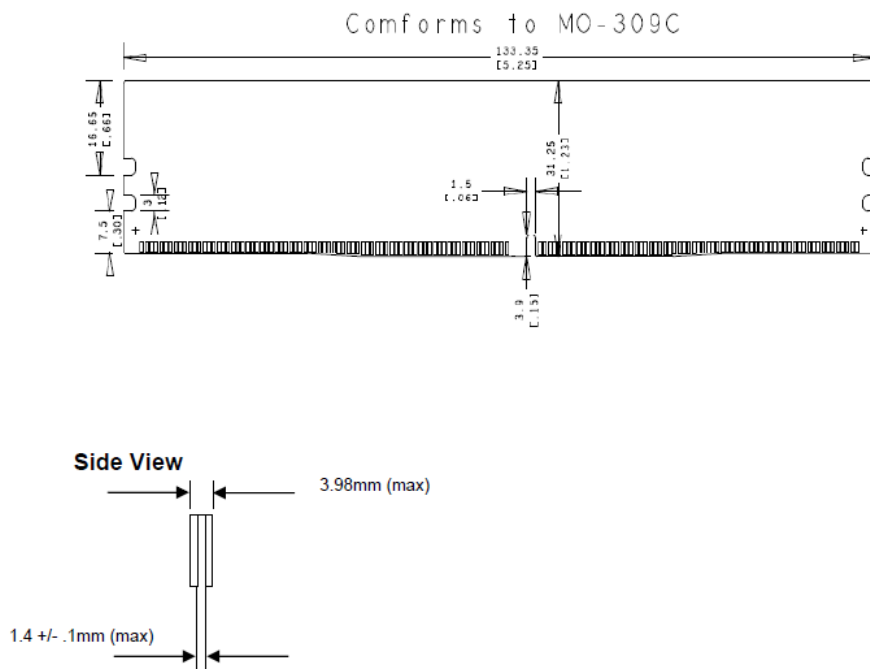
Products in Family

DRV2933RS8/8GB (1 x 8GB RDIMM)
 DRV2933RS4/16GB (1 x 16GB RDIMM)
 DRV2933RD8/16GB (1 x 16GB RDIMM)
 DRV2933RD4/32GB (1 x 32GB RDIMM)
 DRV2933RD4/64GB (1 x 64GB RDIMM)
 4ZC7A15113-DR (1 x 128GB RDIMM)



Features	Description
288-pin JEDEC-compliant DIMMs 133.35 mm wide by 31.25 mm high (5.25" x 1.23") Data Transfer Rate: 23.4 Gigabytes/sec Operating Voltage: 1.2V (1.14V~1.26V) Fully RoHS Compliant Thermal Sensor	The DRV2933R upgrades are registered memory modules, which conform to JEDEC's DDR4-2933, PC4-2933Y standard. One EEPROM is used for Serial Presence Detect and a combination register/PLL, with Address and Command Parity is also used.

Dataram Product	Lenovo Product	Product Description
DRV2933RS8/8GB	4ZC7A08706	1 x 8GB 1Rx8 PC4-2933Y-R21
DRV2933RS4/16GB	4ZC7A08707	1 x 16GB 1Rx4 PC4-2933Y-R21
DRV2933RD8/16GB	4ZC7A08708	1 x 16GB 2Rx8 PC4-2933Y-R21
DRV2933RD4/32GB	4ZC7A08709	1 x 32GB 2Rx4 PC4-2933Y-R21
DRV2933RD4/64GB	4ZC7A08710	1 x 64GB 2Rx4 PC4-2933Y-R21
4ZC7A15113-DR	4ZC7A15113	1 x 128GB 4Rx4 PC4-29993Y-R24



Notes:

1. Tolerances on all dimensions except where otherwise indicated are ± 13 . Reference JEDEC standard MO-309C.
2. All dimensions are expressed: millimeters [inches]