

## KVR667D2D4P5/4GEF

### 4GB 512M x 72-Bit DDR2-667

### CL5 Registered w/Parity 240-Pin DIMM

#### DRAM Supported:

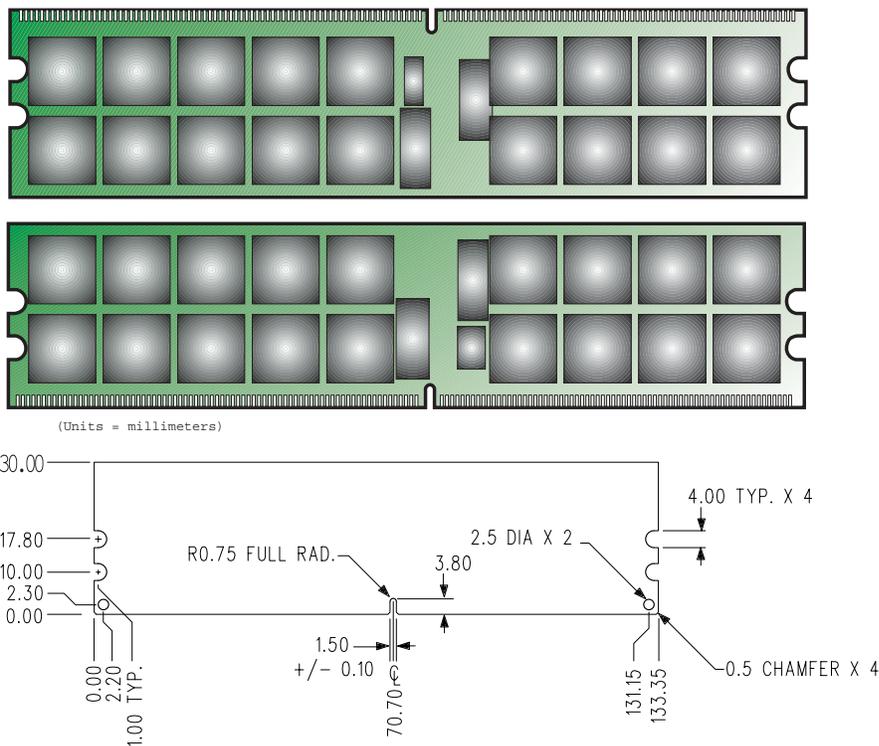
Elpida F-Die

#### DESCRIPTION:

This document describes ValueRAM's 512M x 72-bit 4GB (4096MB) DDR2-667 CL5 SDRAM (Synchronous **DRAM**) "dual rank" Registered w/Parity memory module. The components on this module include thirty-six 256M x 4-bit SDRAMs. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

#### FEATURES:

- |   |                               |
|---|-------------------------------|
| ☑ Clock Cycle Time (tCK) CL=5                   | 3ns (min.) / 8ns (max.)       |
| ☑ Row Cycle Time (tRC)                          | 60ns (min.)                   |
| ☑ Refresh to Active/Refresh Command Time (tRFC) | 127.5ns                       |
| ☑ Row Active Time (tRAS)                        | 45ns (min.) / 70,000ns (max.) |
| ☑ Single Power Supply of                        | +1.8V (+/- .1V)               |
| ☑ Power   | 5.940 W (operating)           |
| ☑ UL Rating                                     | 94 V - 0                      |



**Figure 1: KVR667D2D4P5/4GEF 240-Pin DIMM**