# KVR667D2Q8P5/4G

## *4GB 512M x 72-Bit DDR2-667 CL5*
## *Registered w/ Parity 240-Pin DIMM*

Preliminary

### DESCRIPTION:

This document describes ValueRAM's 512M x 72-bit 4GB (4096MB) DDR2-667 CL5 SDRAM (**S**ynchronous **DRAM**) "quad rank" registered w/parity memory module. The components on this module include thirty-six 128M x 8-bit DDR2-667 SDRAM in FBGA packages. 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 | TBD (operating) |
| ☑ UL Rating | 94 V - 0 |

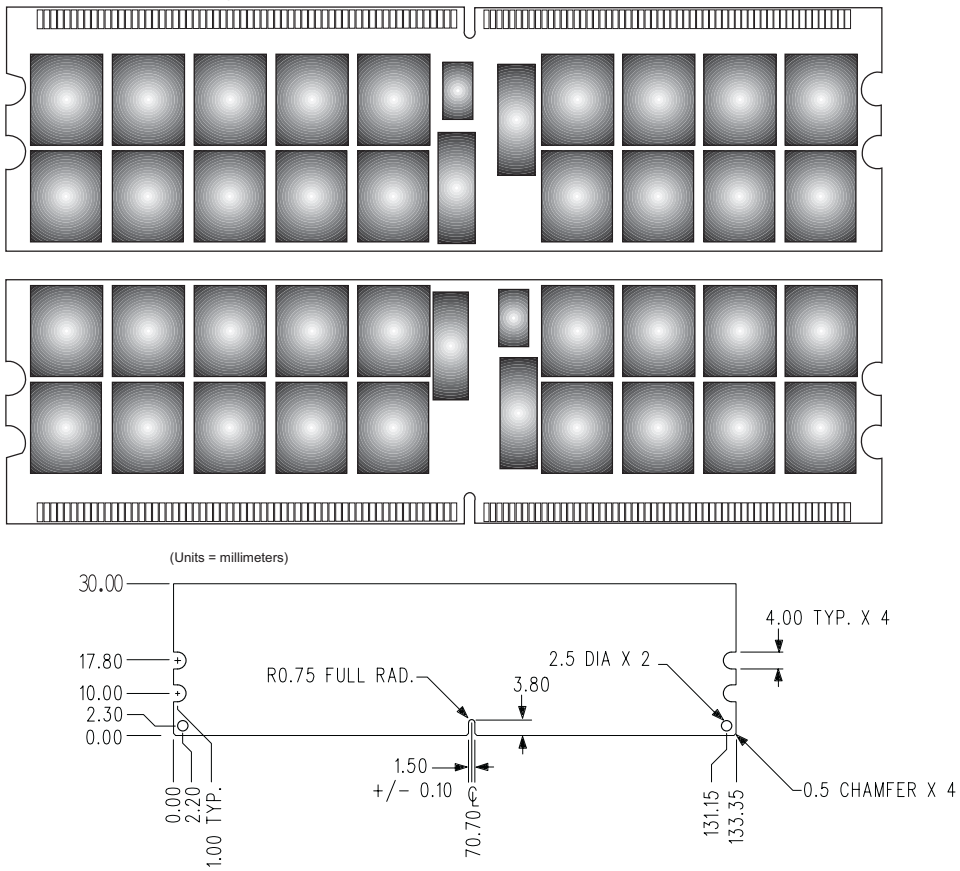



***Figure 1: KVR667D2Q8P5/4G 240-Pin DIMM***