BTS4XXLR/XXG
DDR4 Load Reduced ECC 288-Pin DIMM Series

Overview

Bigboy Technologies uses industry leader Samsung DDR4 modules.

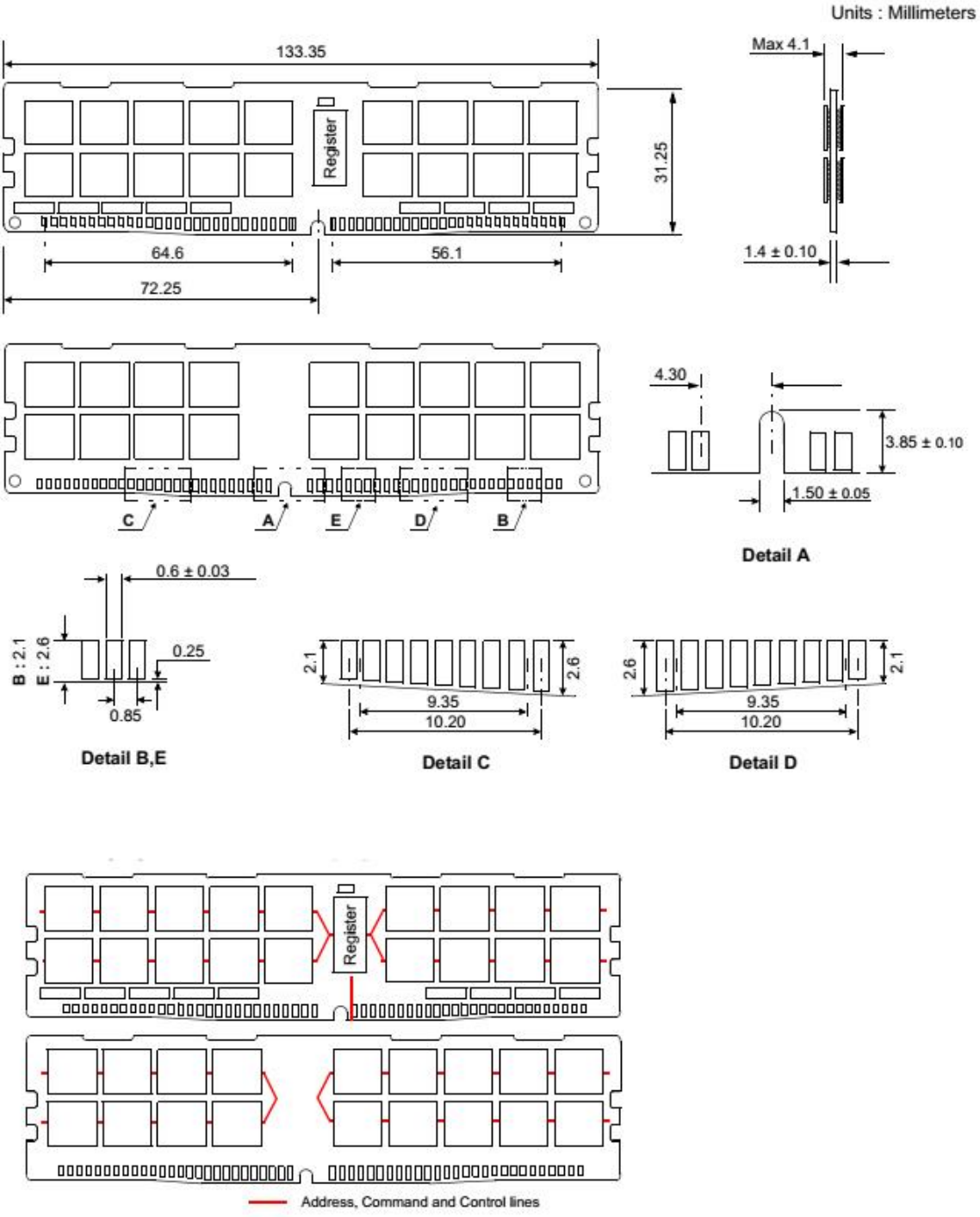
In server applications, higher performance and greater capacity are essential for improving main memory. Samsung DDR4 LRDIMM (load reduced memory module) technology uses a distributed buffer approach to accomplish memory bandwidth efficiencies when scaling to higher capacities and speed on the DDR4 enterprise server systems, as compared to DDR4 RDIMM (registered memory modules). LRDIMM, in general, have continued to evolve and improved their value to system users, and DDR4 LRDIMM is expected to launch memory subsystem performance to a new paradigm. DDR4 LRDIMM not only appeals to the highest capacities, but also to a much wider range of applications that require highest bandwidth and/or highest capacities.

In addition to LRDIMM's features, Samsung DDR4 memory is available as LRDIMM that it provides an optimized solution for highly virtualized environments, high-performance computing and networking. Samsung DDR4 modules are designed with new system circuit architecture to deliver higher performance with low power requirements than previously available memory products. Doubled bandwidth, along with reduced voltage and dramatically lower power consumption, improves performance and optimizes the total cost of ownership.

Specifications

- Capacity : 64GB, 128GB, 256GB
- Speed :
  2666MHz - PC21300, 2933MHz - PC23400, 3200MHz - PC25600
- Latency :
  2666MHz : CL=19, tRCD=19, tRP=19, 2933MHz : CL=21, tRCD=21, tRP=21
  3200MHz : CL=22, tRCD=22, tRP=22
- Component Composition :
  (DDP4G x 4) x 36 – 64GB/128GB, (4H 3DS 8G x 4) x 36 – 128GB, (4H 3DS 16G x 4) x 36 – 256GB
- Rank : Quad Rank 4Rx4 (64GB-128GB) , Octal Rank 8Rx4 (128GB-256GB)
- Number of Pin : 288
- Voltage : 1.2V
- Warranty : Limited Lifetime

Physical Dimensions and Chip Layout



* **NOTE** : Tolerances on all dimensions ±0.15 unless otherwise specified.