BTS4XX/XXG
DDR4 Registered ECC 288-Pin DIMM Series

Overview

Bigboy Technology use industry leader Samsung DDR4 modules.

Samsung DDR4 Registered DIMMs (or RDIMMs) are designed with an additional hardware register between the DRAM module and the system's memory controller. RDIMMs present several advantages for the system, such as a lower electrical load on the memory controller and sustained stability even with an increase in the number of installed memory modules. Thus, RDIMMs are often the default choice for deployment in server-class computing systems.
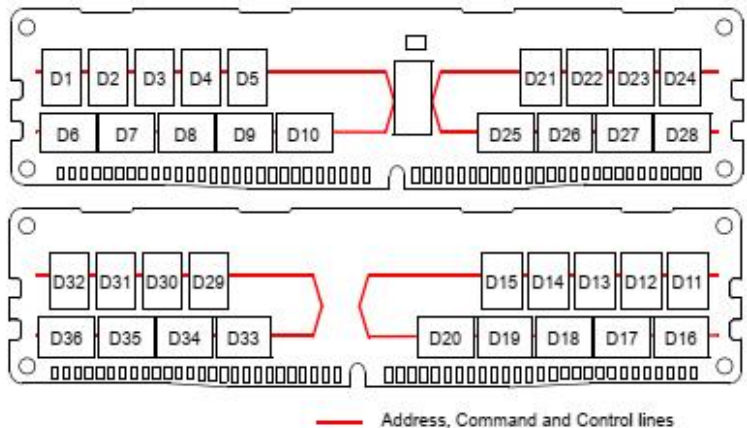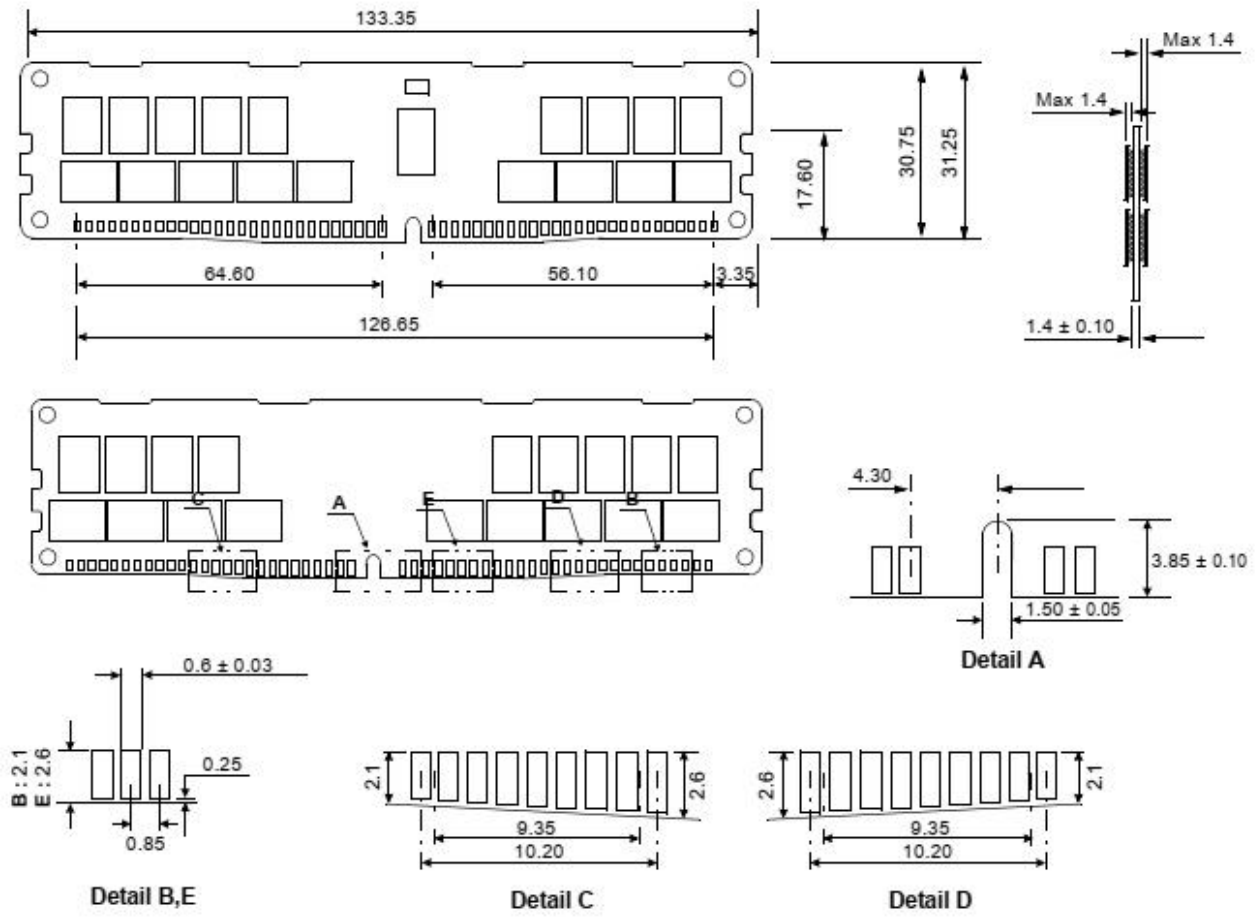
In addition to Registered DIMM's features, Samsung DDR4 memory is available as Registered DIMM that it provides an optimized solution for highly virtualized environments, high-performance computing and networking. Semiconductor modules of Samsung DDR4 are designed with new system circuit architecture 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. Samsung DDR4's enhanced reliability, availability and serviceability (RAS) features provide enhanced reliability and improved signal integrity (S/I).

Specifications

- Capacity : 16GB, 32GB, 64GB, 128GB
- 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 :

  (3DS 2H 8G x 4) x 36– 128GB, (4G x 4) x 36 – 64GB, (2G x 4) x 36 – 32GB, (1G x 8) x 18 – 16GB
- Rank : Quad Rank 4Rx4 (128GB) , Dual Rank 2R x 4 (64GB – 32GB), Dual Rank 2R x 8 (16GB),
- Number of Pin : 288
- Voltage : 1.2V
- Warranty : Limited Lifetime

Physical Dimensions and Chip Layout

Units : Millimeters

Detail A

Detail B,E

Detail C

Detail D

Address, Command and Control lines

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