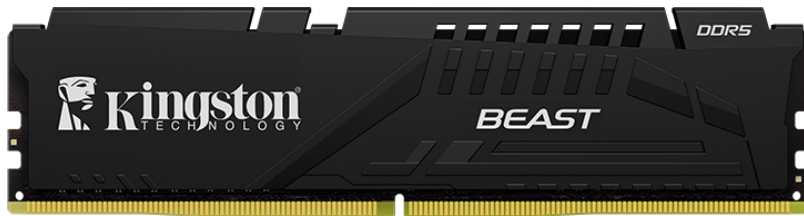


Memory Module Specifications

KF556C36BBE-16TR

16GB 2G x 64-Bit

DDR5-5600 CL36 288-Pin DIMM



DEFAULT SPECIFICATIONS

| | |
|--|-------------------|
| CL(IDD) | 40 cycles |
| Row Cycle Time (tRCmin) | 48ns(min.) |
| Refresh to Active/Refresh Command Time (tRFCmin) | 295ns(min.) |
| Row Active Time (tRASmin) | 32ns(min.) |
| UL Rating | 94 V - 0 |
| Operating Temperature | 0° C to +85° C |
| Storage Temperature | -55° C to +100° C |

DESCRIPTION

Kingston KF556C36BBE-16TR is a 2G x 64-bit (16GB) DDR5-5600 CL36 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 2G x 8-bit FBGA components per module. The module supports AMD® EXPO v1.0 and Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Each module has been tested to run at DDR5-5600 at a low latency timing of 36-38-38 at 1.25V. The SPDs are programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

DEFAULT FEATURES

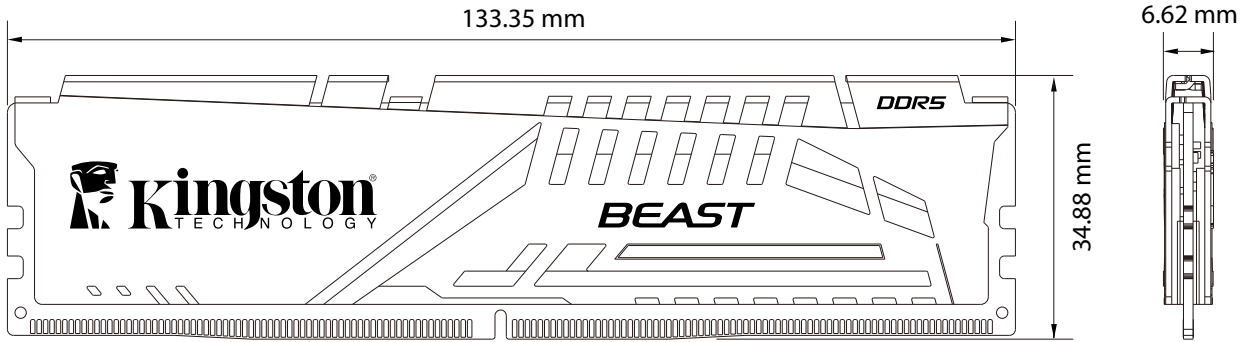
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.37" (34.88mm), w/heatsink

FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- EXPO Profile #0: DDR5-5600 CL36-38-38 @1.25V
- EXPO Profile #1: DDR5-5200 CL40-40-40 @1.25V
- XMP Profile #1: DDR5-5600 CL36-38-38 @1.25V
- XMP Profile #2: DDR5-5200 CL40-40-40 @1.25V

Continued >>

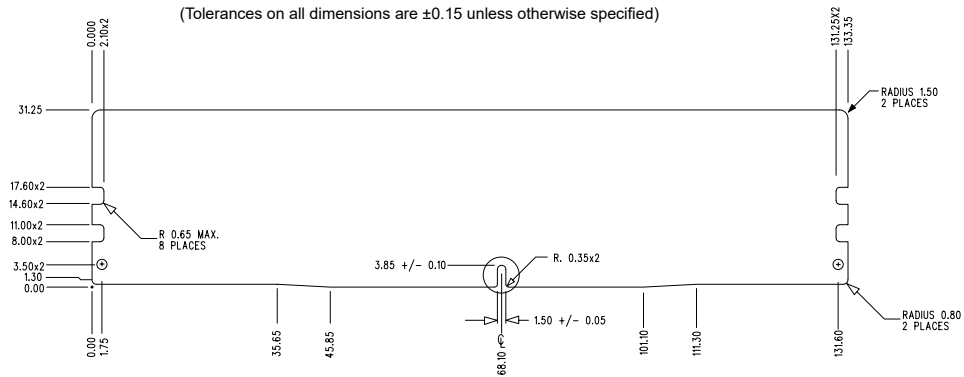
MODULE WITH HEAT SPREADER



MODULE DIMENSIONS



All measurements are in millimeters.
 (Tolerances on all dimensions are ± 0.15 unless otherwise specified)



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