KF556C40BB-16
16GB 2G x 64-Bit
DDR5-5600 CL40 288-Pin DIMM

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL(IDD)</td>
<td>40 cycles</td>
</tr>
<tr>
<td>Row Cycle Time (tRCmin)</td>
<td>48ns(min.)</td>
</tr>
<tr>
<td>Refresh to Active/Refresh Command Time (tRFCmin)</td>
<td>295ns(min.)</td>
</tr>
<tr>
<td>Row Active Time (tRASmin)</td>
<td>32ns(min.)</td>
</tr>
<tr>
<td>UL Rating</td>
<td>94 V - 0</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0° C to +85° C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-55° C to +100° C</td>
</tr>
</tbody>
</table>

DESCRIPTION

Kingston FURY KF556C40BB-16 is a 2G x 64-bit (16GB) DDR5-5600 CL40 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 2G x 8-bit FBGA components per module. The module supports Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Each module has been tested to run at DDR5-5600 at a low latency timing of 40-40-40 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:

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” (34.9mm), w/heatsink

FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- XMP Profile #1: DDR5-5600 CL40-40-40 @1.25V
- XMP Profile #2: DDR5-5200 CL40-40-40 @1.25V
- XMP Profile #3: DDR5-4800 CL38-38-38 @1.1V

Continued >>
MODULE WITH HEAT SPREADER

MODULE DIMENSIONS

All measurements are in millimeters.
(Tolerances on all dimensions are ±0.12 unless otherwise specified)

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