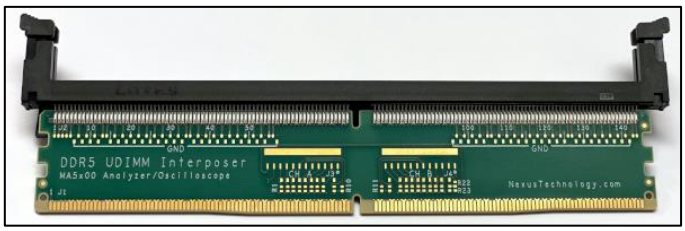
DDR5 Interposers

UDIMM | 288-pin | Oscilloscopes

Overview

The DDR5-A-UDM-288 unbuffered dual-inline memory module (UDIMM) interposer enables probing of DDR5 UDIMMs with an oscilloscope.



- All major oscilloscope vendors supported
- 288-pin, UDIMM
- JEDEC Standard JESD79-5
- Easily access signals
- Small keep-out volume (KOV)
- S-Parameters for system simulation
- Oscilloscope de-embedding S-Parameters
- Add digital analysis using the DDR5-D-UDM-288 interposer

Midbus Probing

The DDR5-A-UDM-288 is a midbus probing solution. This enables complete signal access to the DDR5 bus for visibility and compliance analysis using a convenient UDIMM slot interposer. XH Series BGA interposers are also available for DDR5.

Simulation and De-Embedding

S-Parameters are included for target simulation and the creation of oscilloscope de-embedding filters.

Signals Probed

All signals are probed.

- CK0_A/B
- CK0#_A/B
- CK1_A/B
- CK1#_A/B
- CS0#_A/B – CS1#_A/B
- CA0_A/B – CA12_A/B
- ALERT#_A/B
- RESET#_A/B
- DQ0_A/B – DQ31_A/B
- DM0#_A/B – DM3#_A/B
- DQS0_A/B – DQS4_A/B
- DQS0#_A/B – DQS4#_A/B
- CB0_A/B – CB3_A/B
- HSCL
- HSCA
- HAS
- PWR_GOOD
- PWR_EN
- VIN_BULK
- RFU2
- RFU3
- RFU7
- RFU143
- RFU144
- RFU149
- RFU152
- RFU213
- RFU226
- RFU288

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Dimension Drawings

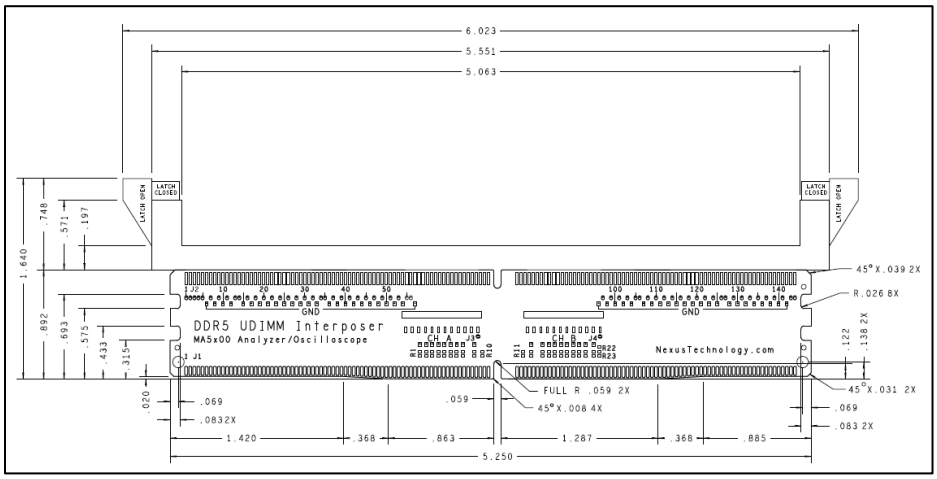


Figure 1 DDR5-A-UDM-288 - Dimensions Front

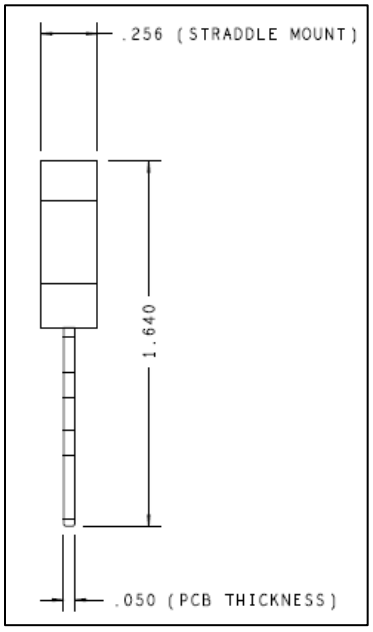


Figure 2 DDR5-A-UDM-288 - Dimensions Side

Testing Services

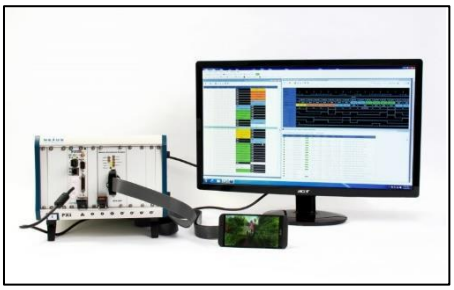
The following services are available for this interposer.

Target Boot & Basic Functionality

For each target, this service will power on and ensure functionality of the target with the interposer(s) installed.

Add Digital Analysis

Add logic and real-time compliance analysis using a DDR5-D-UDM-288 interposer and a MA51x0 series logic analyzer.



M51x0 Series Analyzer & DDR5-D-UDM-288

A MA51x0 series analyzer and a DDR5-D-UDM-288 interposer enable protocol debug, compliance analysis and oscilloscope cross-triggering. With a turn-key setup, the MA51x0 can analyze thousands of real-time memory parameters across clock stops and frequency changes. Also includes 11ps x 10mV x 20-channel analog characterization (iCiS™) and dynamic probe termination.

Product Configuration Table

Product Name	Description	Nexus Order Number
DDR5-A-UDM-288	DDR5 UDIMM Interposer for Oscilloscopes	NEX-DDR5-A-UDM-288

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