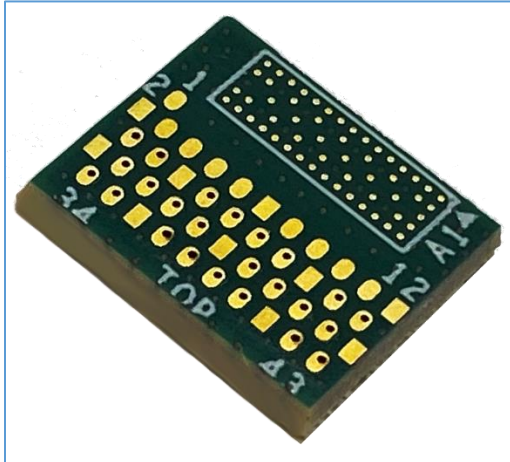


# DDR5 Databuffer Interposer

DDR5 55 Ball XH Series Databuffer Direct Attach Interposer



## Key Features

- DDR5 Databuffer Devices (DB)
- XH Series Universal Probe Interposer
- 55 Ball Component Interposer
- High fidelity
- Enables oscilloscope probing

## Applications

- DDR5 RDIMMs and LRDIMMs
  - Memory validation and debug
  - Monitoring Databuffer Signals
  - Analog insight

## Simulation and De-Embedding

Oscilloscope de-embedding software filters/removes interposer effects. Please contact Nexus for the appropriate de-embedding software for your interposer.

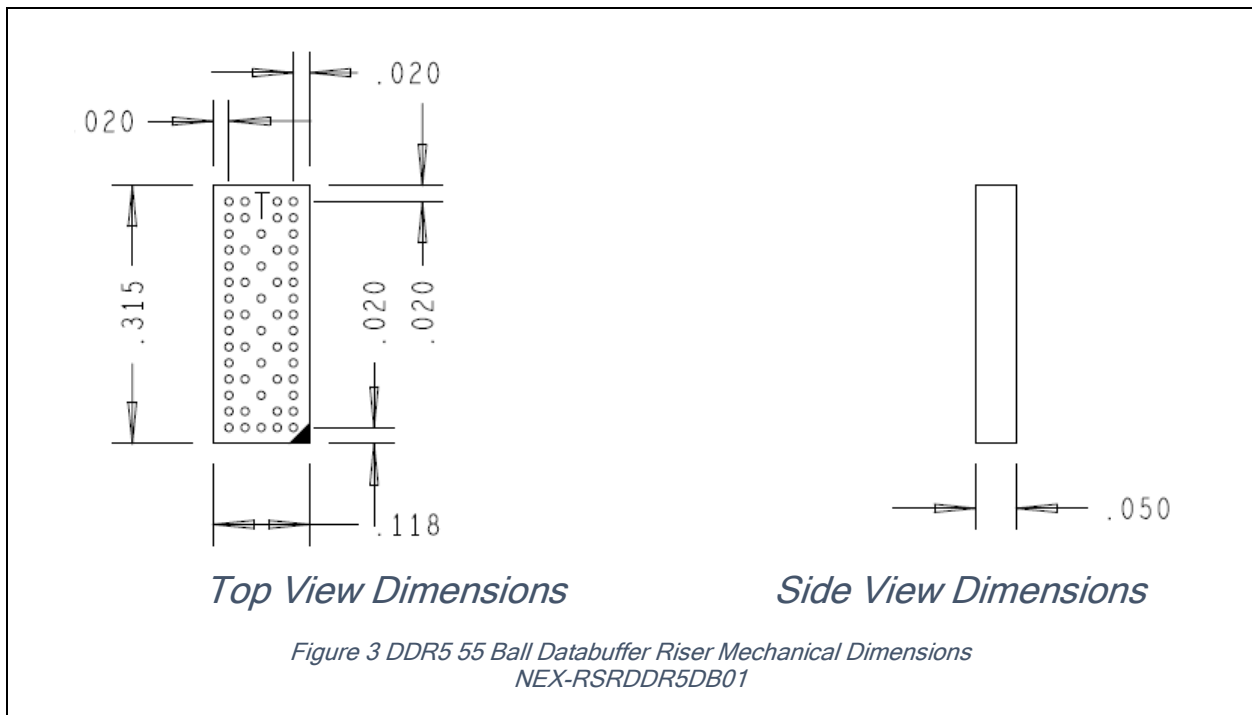
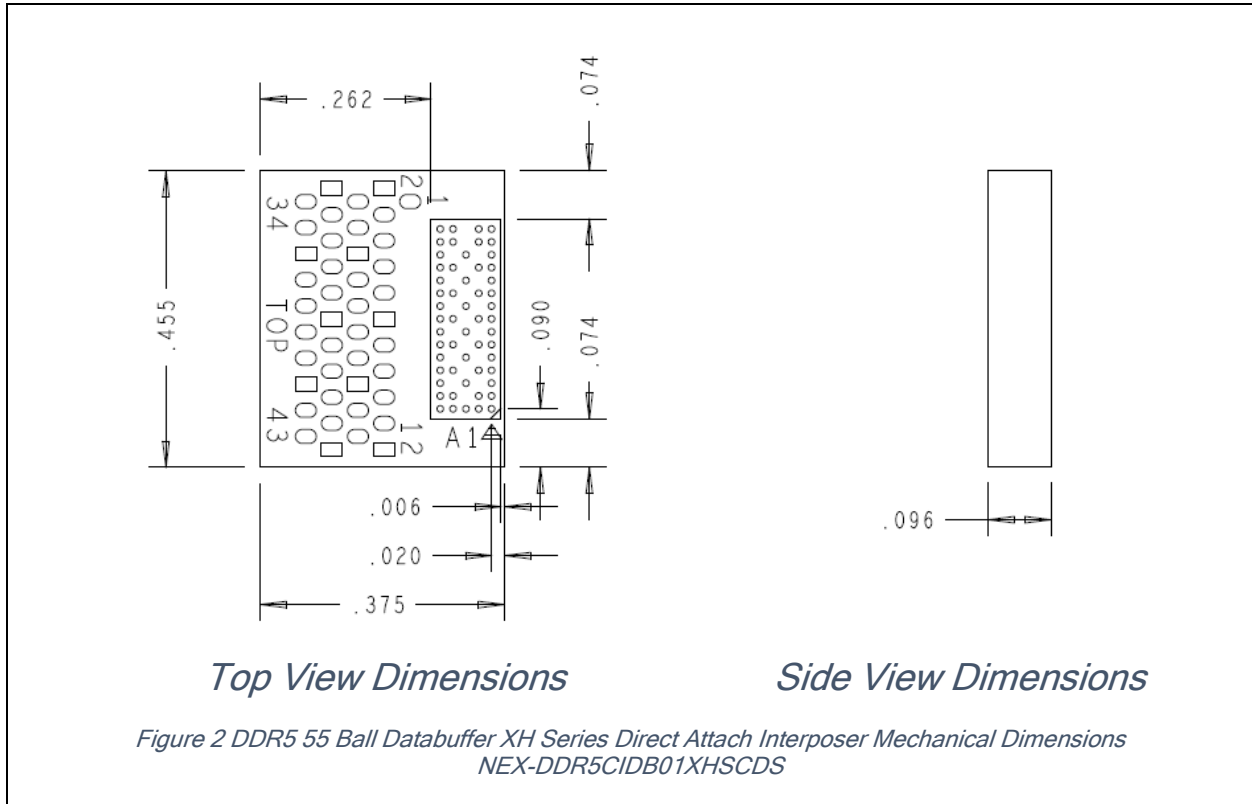
## Attachment Service

Nexus Technology's expert attachment service provides a ready-to-go test solution customized to your application. We will attach the interposer and any additional accessories to your application's target. We can also power-on and test your application to confirm functionality. Please contact us for more information.



*Figure 1 - Direct Attach interposer installed under a memory component*

## Mechanical Outline



### Probe Point Signal List

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	DQ0	12	GROUND	23	GROUND	34	MDQ1
2	GROUND	13	LB_TXDQ	24	MDQ0	35	MDQ3
3	DQ2	14	LB_TXDQS	25	MDQ2	36	GROUND
4	DQ1	15	GROUND	26	MDQS0_t	37	BCOM2
5	DQ3	16	DQS0_t	27	MDQS0_c	38	BCOM1
6	BCS_n	17	DQS0_c	28	GROUND	39	BCOM0
7	GROUND	18	BCK_t	29	MDQS1_c	40	MDQ4
8	DQS1_c	19	BCK_c	30	MDQS1_t	41	GROUND
9	DQS1_t	20	GROUND	31	MDQ6	42	MDQ5
10	DQ6	21	DQ4	32	MDQ7	43	BRST_n
11	DQ7	22	DQ5	33	GROUND		

### Probe Point Locations

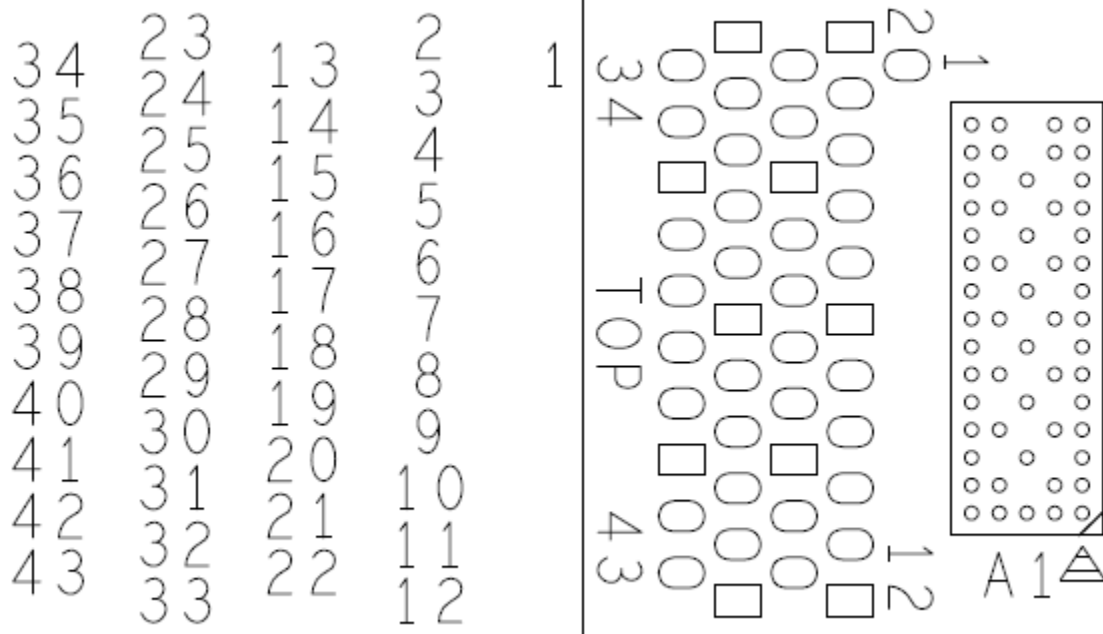


Figure 4 DDR5 DB01 XH Series Direct Attach Interposer Probe Point Locations

## Product Configuration Table

Nomenclature	Solder Balls on Interposer	Riser Included
NEX-DDR5CIDB01XHSCDS	Yes	No

## Available Accessories

Type	Desc.	Nomenclature
Riser	DDR5 DB01 Riser elevates interposer 0.050"	NEX-RSRDDR5DB01 <sup>1</sup>

<sup>1</sup> P/N NEX-RSRDDR5DB01 includes solderballs.

## Contact Information

For more information, please contact us by telephone, email or mail as listed below. Normal business hours are 9:00 - 5:00 EDT/EST.

Web	<a href="http://www.nexustechnology.com">www.nexustechnology.com</a>
Telephone	877.595.8116
International	603.329.3083
Fax	877.595.8118
Address	78 Northeastern Blvd. Unit 2 Nashua, NH 03062
Email	<a href="mailto:support@nexustechnology.com">support@nexustechnology.com</a>