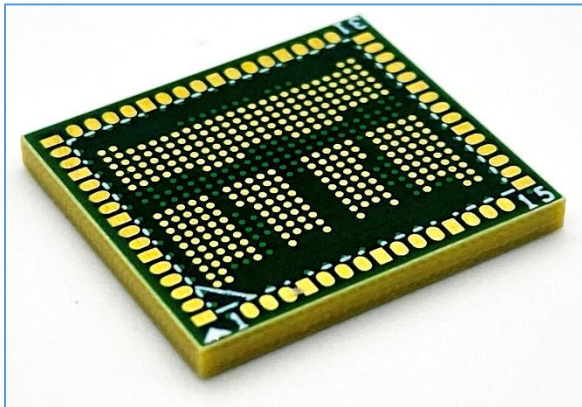


# LPDDR5 Interposers

LPDDR5 297 Ball XH Series Direct Attach Interposer



## Key Features

- LPDDR5
- XH Series Universal Probe Interposer
- 297-Ball
- 2 Channel x16 Memory Component
- High Fidelity
- Enables Oscilloscope Probing

## Applications

- LPDDR5
  - Memory validation and debug
  - Monitoring bus traffic
  - Bus traffic measurement
  - Analog insight

## Simulation and De-Embedding

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

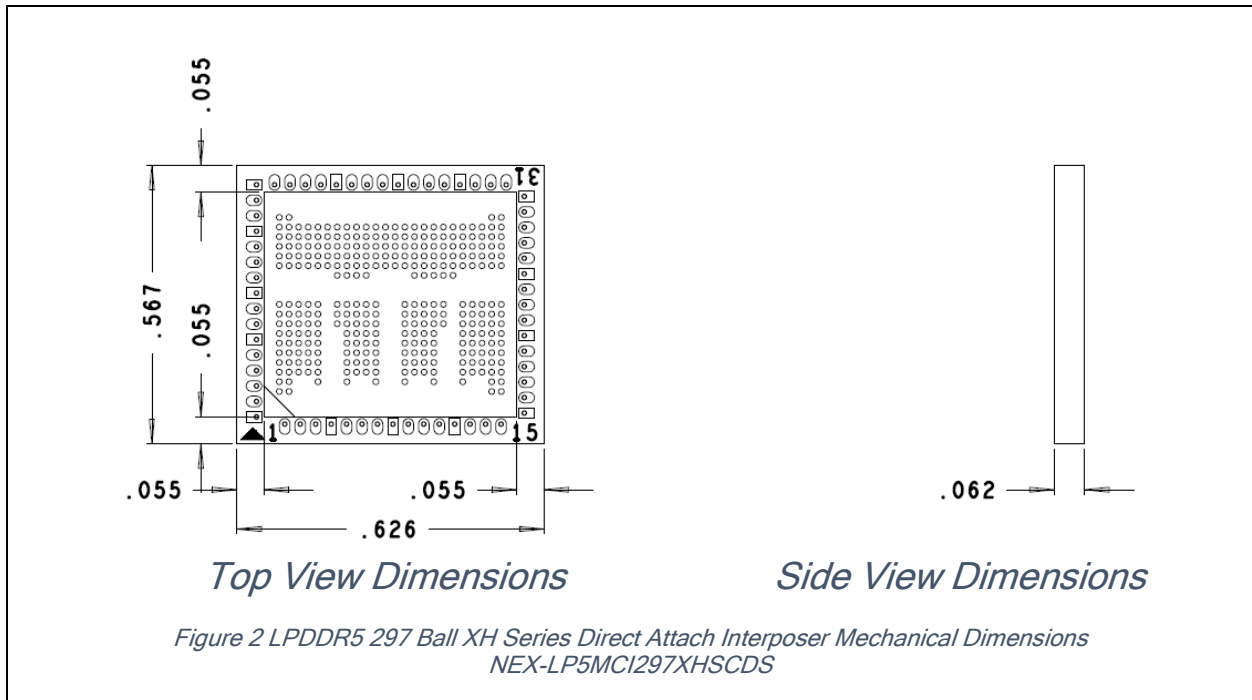
## Attachment Service

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.

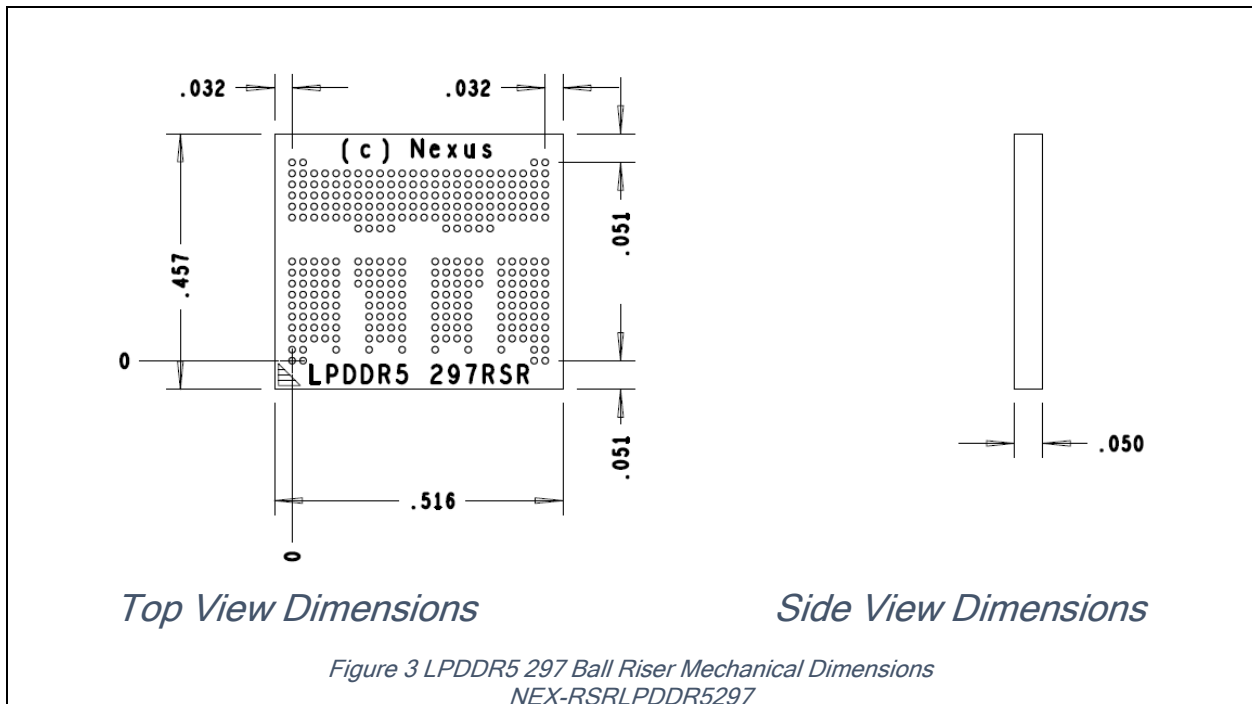


*Figure 1 Direct Attach interposer installed under a memory component*

## Mechanical Outline



Note: All measurements listed are in inches



Note: All measurements listed are in inches

### Probe Point Signal List

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	WCK0_T_A	17	WCK0_T_B	33	CS0_B	49	CA6_A
2	WCK0_C_A	18	WCK0_C_B	34	GROUND	50	GROUND
3	DMI0_A	19	DMI0_B	35	CK_T_B	51	CA5_A
4	GROUND	20	DQ0_B	36	CK_C_B	52	CA3_A
5	DQ0_A	21	GROUND	37	CA5_B	53	CA0_A
6	RDQS0_C_A	22	RDQS0_C_B	38	GROUND	54	GROUND
7	RDQS0_T_A	23	RDQS0_T_B	39	CA6_B	55	RDQS1_T_A
8	GROUND	24	CA4_B	40	CA1_A	56	RDQS1_C_A
9	RDQS1_T_B	25	GROUND	41	CA2_A	57	GROUND
10	RDQS1_C_B	26	CA3_B	42	GROUND	58	DQ8_A
11	DQ8_B	27	CA1_B	43	CS0_A	59	DMI1_A
12	GROUND	28	CA0_B	44	CS1_A	60	WCK1_C_A
13	DMI1_B	29	CA2_B	45	CK_T_A	61	WCK1_T_A
14	WCK1_C_B	30	GROUND	46	CK_C_A	62	GROUND
15	WCK1_T_B	31	RESET	47	GROUND		
16	GROUND	32	CS1_B	48	CA4_A		

### Probe Point Locations

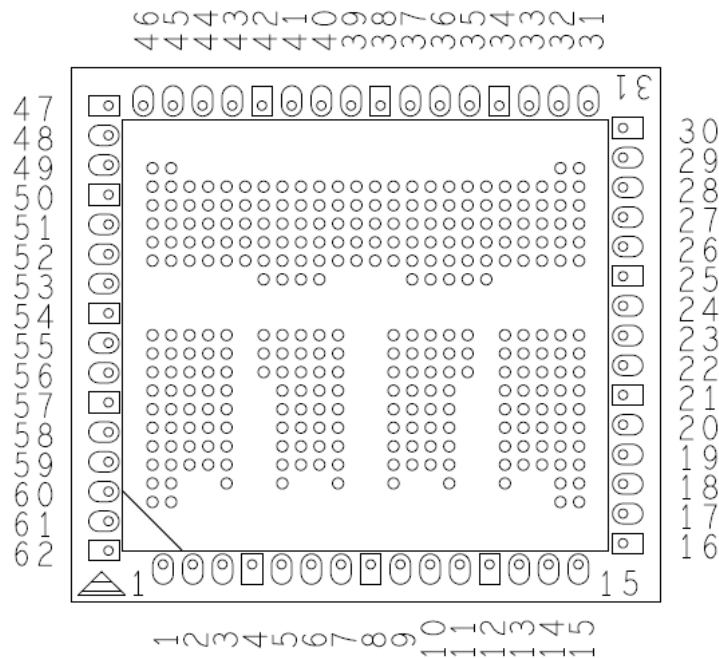


Figure 4 LPDDR5 297 Ball XH Series Direct Attach Interposer Probe Point Locations

## Product Configuration Table

Nomenclature	Solder Balls on Interposer	Riser Included
NEX-LP5MCI297XHSCDS <i>(replaces P/N NEX-LP5MCI297XHEPDS)</i>	Yes	No

## Available Accessories

Type	Desc.	Quantity	Nomenclature
Riser	LPDDR5 297-Ball Riser elevates interposer 0.050"	1	NEX-RSRLPDDR5297 <sup>1</sup>

<sup>1</sup> P/N NEX-RSRLPDDR5297 includes solderballs.

## Attachment Service Options

Attachment Service Level	Description
Attachment Service	Contact us for more information

## 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>