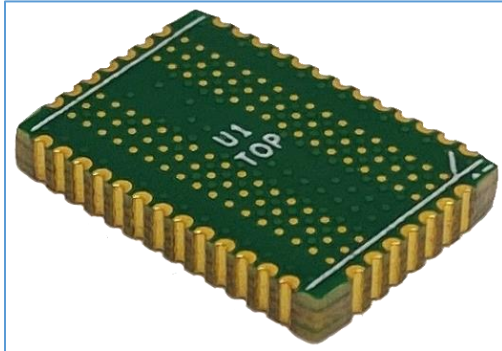


DDR5 Interposers

DDR5 x16 XH Series EdgeProbe™ Interposers



Key Features

- DDR5
- XH Series Universal Probe Interposer
- x16
- EdgeProbe™ Interposer
- High Fidelity
- Enables Oscilloscope Probing
- Patented Interposer/Probe Design

* For DDR5 x16 106 Ball Support, Please [Contact Nexus](#)

Applications

- DDR5
 - Memory validation and debug
 - Monitoring bus traffic
 - Bus traffic measurement
 - Analog insight

EdgeProbe™ Interposer Technology



Nexus Technology's patented EdgeProbe™ technology enables our interposers to be virtually the same size as the memory

component. This is important because standard direct-attach interposers are significantly larger than the memory component which can potentially cause mechanical clearance problems. In other words, standard direct-attach interposers do not fit in all applications. EdgeProbe™ interposers fit in all applications.

EdgeProbe™ interposers provide advanced analysis capabilities by integrating the oscilloscope probe into the interposer. In doing so, the probe point moves extremely close to the component pad which is the optimal and least intrusive location.

Simulation & De-Embedding

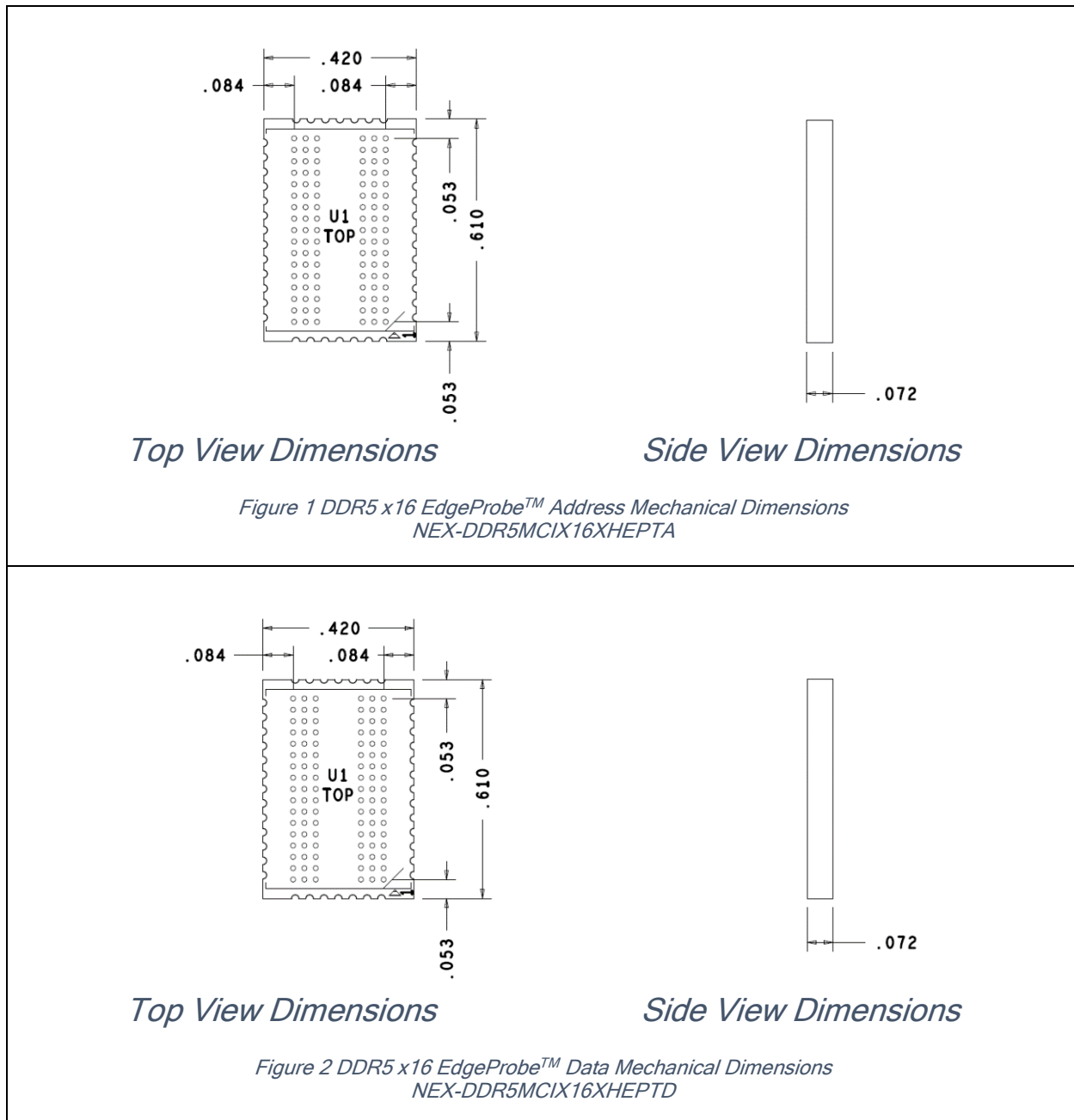
S-Parameters are included for target simulation and the creation of de-embedding filters for use with an oscilloscope.

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 target to confirm functionality. Please contact us for more information.



Mechanical Outlines



Note: All measurements listed are in inches

Probe Point Signal Lists

NEX-DDR5MCIX16XHEPTA - DDR5 x16 EdgeProbe™ Address

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GROUND	11	CA8	21	GROUND	31	RFU
2	DQU0(DQ8)	12	CA12	22	CA13	32	DML_n
3	DQL0(DQ0)	13	GROUND	23	CA9	33	GROUND
4	CS_n	14	GROUND	24	CA3	34	GROUND
5	MIR	15	RESET_n	25	CA1	35	RFU
6	CA0	16	CA11	26	CA7	36	CA_ODT
7	GROUND	17	CA10	27	GROUND	37	DQSL_c
8	CAI	18	CA2	28	CA5	38	DQSL_t
9	CA4	19	ALERT_n	29	CK_c	39	TEN
10	CA6	20	GROUND	30	CK_t	40	GROUND

NEX-DDR5MCIX16XHEPTD - DDR5 x16 EdgeProbe™ Data

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GROUND	11	DQL6(DQ6)	21	GROUND	31	DMU_n
2	DQU2(DQ10)	12	DQL4(DQ4)	22	DQL5(DQ5)	32	DQU3(DQ11)
3	DQU0(DQ8)	13	GROUND	23	DQL7(DQ7)	33	GROUND
4	DQU6(DQ14)	14	GROUND	24	DQL1(DQ1)	34	GROUND
5	DQU4(DQ12)	15	RFU	25	DML_n	35	LBDQS
6	DQL2(DQ2)	16	CS_n	26	DQL3(DQ3)	36	DQSU_c
7	GROUND	17	CK_t	27	GROUND	37	DQSU_T
8	DQSL_t	18	CK_c	28	DQU5(DQ13)	38	RFU
9	DQSL_c	19	RESET_n	29	DQU7(DQ15)	39	LBDQ
10	DQL0(DQ0)	20	GROUND	30	DQU1(DQ9)	40	GROUND

Product Configuration Table

Nomenclature	Interposer Type	Solder Balls Installed
NEX-DDR5MCIX16XHEPTA	Address	Yes
NEX-DDR5MCIX16XHEPTD	Data	Yes

Available Accessories

Type	Desc.	Nomenclature
Riser	DDR5 x16 Riser elevates interposer 0.050"	NEX-RSRDDR5X16 ¹

¹ P/N NEX-RSRDDR5X16 includes solderballs.

Attachment Service Options

Attachment Service Level	
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.

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