

DDR5 Interposers

DDR5 x4/x8 XH Series EdgeProbe™ Interposers



Key Features

- DDR5
- XH Series Universal Probe Interposer
- x4/x8
- EdgeProbe™ Interposer
- High Fidelity
- Enables Oscilloscope Probing
- Patented Interposer/Probe Design

* For DDR5 x4/x8 82 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

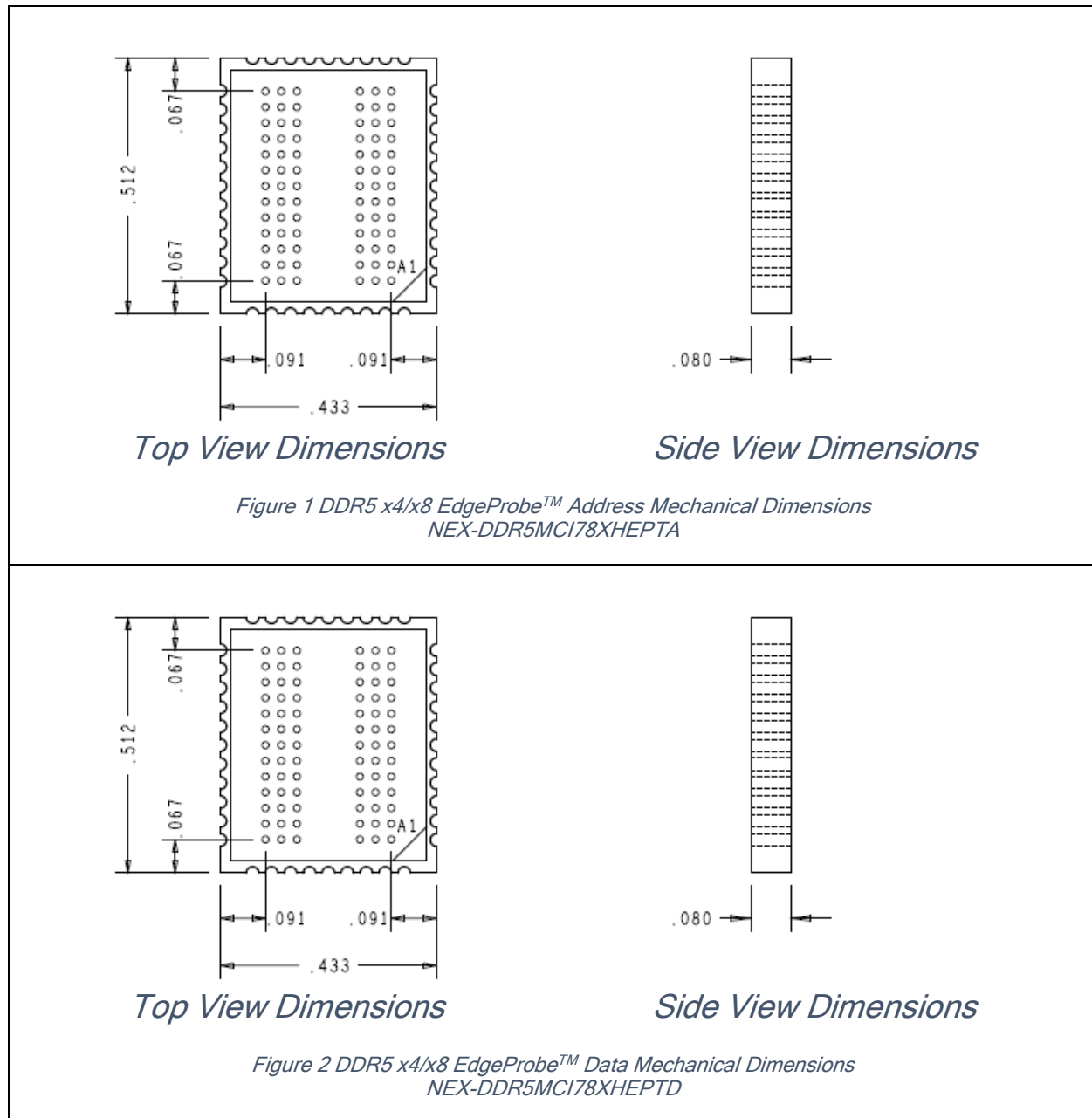
S-Parameters are included for target simulation and the creation of de-embedding filters for use with an oscilloscope.

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

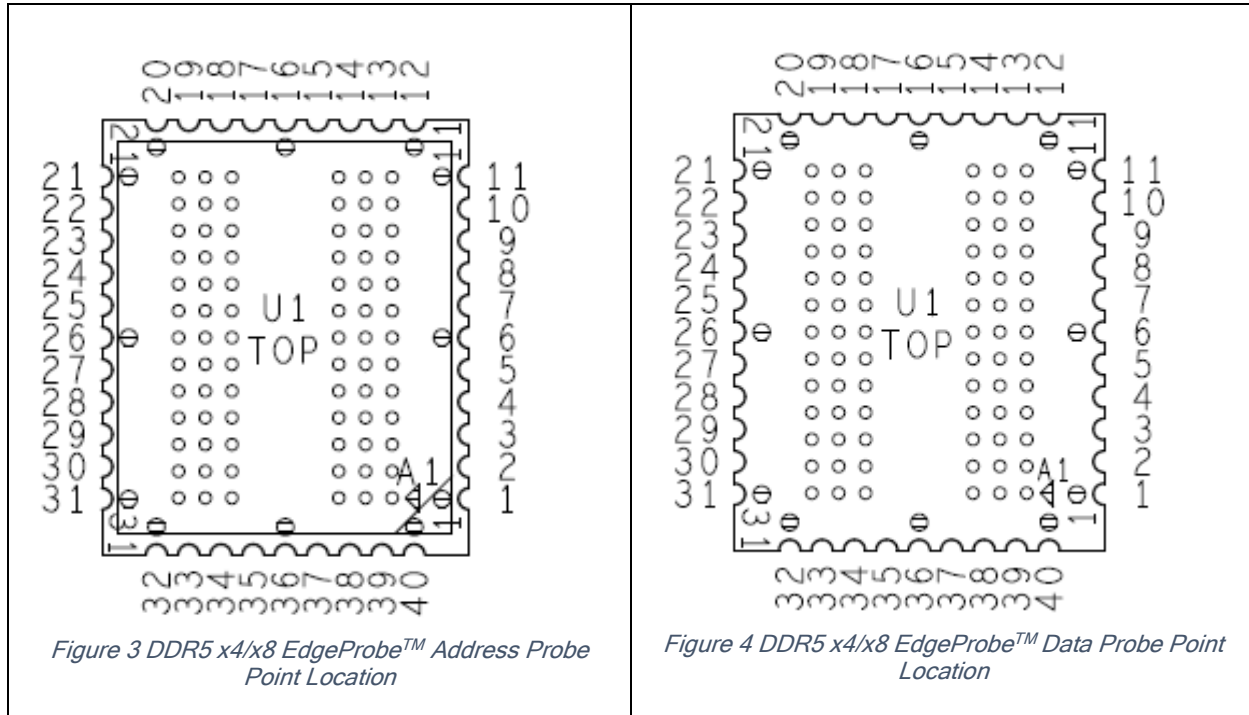
NEX-DDR5MCI78XHEPTA - DDR5 x4/x8 EdgeProbe™ Address

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GND	11	GND	21	GND	31	GND
2	CA_ODT	12	GND	22	CA9	32	GND
3	MIR	13	CA10	23	CA3	33	LBDQS
4	ALERT_n	14	CAI	24	CA5	34	RESET_n
5	CS_n	15	CA13	25	CA7	35	DQ0
6	GND	16	GND	26	GND	36	GND
7	CA4	17	CA12	27	CA1	37	DQS_c
8	CA0	18	CA8	28	CK_C	38	DQS_t
9	CA2	19	CA11	29	CK_t	39	LBDQ
10	CA6	20	GND	30	TEN	40	GND

NEX-DDR5MCI78XHEPTD - DDR5 x4/x8 EdgeProbe™ Data

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GND	11	GND	21	GND	31	GND
2	DQS_t	12	GND	22	CA1	32	GND
3	DQS_c	13	CA0	23	CK_C	33	LBDQS
4	DQ4	14	CAI	24	CK_t	34	DQ3
5	DQ6	15	CA4	25	TEN	35	DQ1
6	GND	16	GND	26	GND	36	GND
7	CA_ODT	17	CA2	27	DQ7	37	DQ0
8	MIR	18	RESET_n	28	DQ5	38	DQ2
9	ALERT_n	19	CA3	29	TDQS_c	39	LBDQ
10	CS_n	20	GND	30	DM_n/TDQS_t	40	GND

Probe Point Locations



Product Configuration Table

Nomenclature	Interposer Type	Solder Balls Installed
NEX-DDR5MCI78XHEPTA	Address	Yes
NEX-DDR5MCI78XHEPTD	Data	Yes

Available Accessories

Type	Desc.	Nomenclature
Riser	DDR5 x4/x8 Riser elevates interposer 0.050"	NEX-RSRDDR578 ¹

¹ P/N NEX-RSRDDR578 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.

Web	www.nexustechnology.com
Telephone	877.595.8116
International	603.329.3083
Fax	877.595.8118
Address	78 Northeastern Blvd. Unit 2 Nashua, NH 03062
Email	support@nexustechnology.com