

# DDR4 Interposers

DDR4 78 Ball XH Series Socketed Interposer



## Key Features

- DDR4
- XH Series Universal Probe Interposer
- 78-ball
- x4/x8
- High fidelity
- Data rates exceeding 3,200 MT/s
- Enables oscilloscope probing

## Applications

- DDR4
  - Memory validation and debug
  - Monitoring bus traffic
  - Bus traffic measurement
  - Analog insight

## Software

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.



## Mechanical Outline

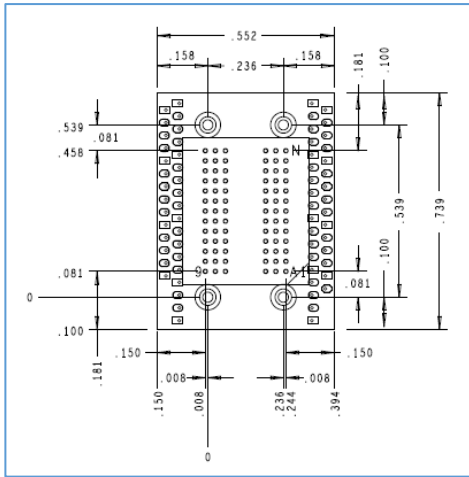


Figure 1 Interposer Mechanical

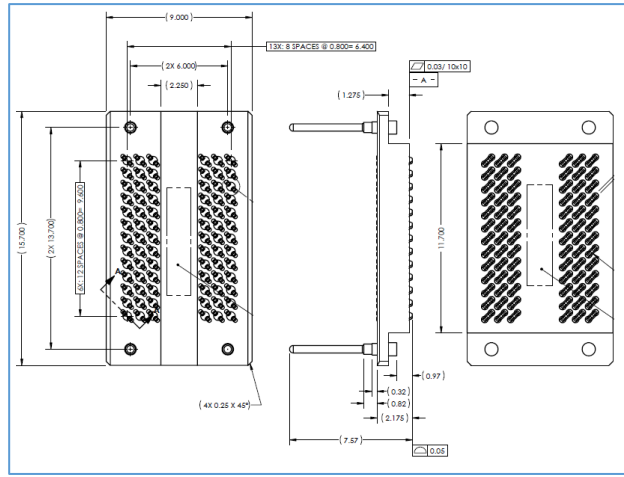


Figure 2 Interposer Socket Mechanical

### Probe Point Signal List

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	DQ0	23	ODT	45	A12_BC/
2	GROUND	24	GROUND	46	A3
3	DQ4	25	CKE	47	GROUND
4	C2_ODT1	26	ACT/	48	A1
5	C0_CKE1	27	A10_AP	49	A9
6	GROUND	28	A4	50	A17
7	WE/_A14	29	GROUND	51	GROUND
8	BG0	30	A0	52	GROUND
9	BA0	31	A2	53	ZQ
10	RESET/	32	PARITY	54	DQ5
11	GROUND	33	GROUND	55	C1_CS1/
12	A6	34	GROUND	56	GROUND
13	A8	35	DM_TQS	57	RAS/_A16
14	A11	36	DQ1	58	BG1
15	GROUND	37	GROUND	59	BA1
16	GROUND	38	DQ3	60	ALERT/
17	TDQS/	39	DQ7	61	GROUND
18	DQS/	40	CK	62	A5
19	DQS	41	CK/	63	A7
20	GROUND	42	GROUND	64	A13
21	DQ2	43	CS/	65	GROUND
22	DQ6	44	CAS/_A15		

### Probe Point Locations

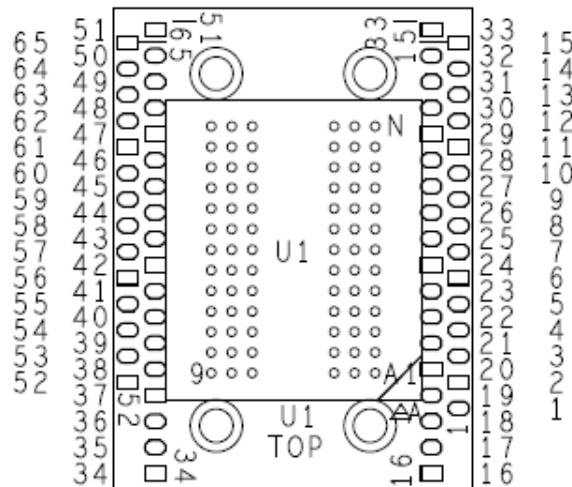


Figure 3 DDR4 78 Pin XH Series Socketed Interposer Probe Point Locations

## Product Configuration Table

Nomenclature	Memory Socket
NEX-DDR4MP78XHBSC	No
NEX-DDR4MP78XHBSCSK	Yes

## Available Accessories

Type	Desc.	Quantity	Nomenclature
Riser	Riser elevates interposer 0.50"	1	NEX-RSRDDR478
Memory Socket	Memory socket	1	NEX-SOCKETDDR478
Interposer Socket	Patented interposer socket	1	NEX-DDR478BGASKBA
Interposer Socket	Patented interposer socket	3	NEX-DDR478BGASKBA-3

## 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>