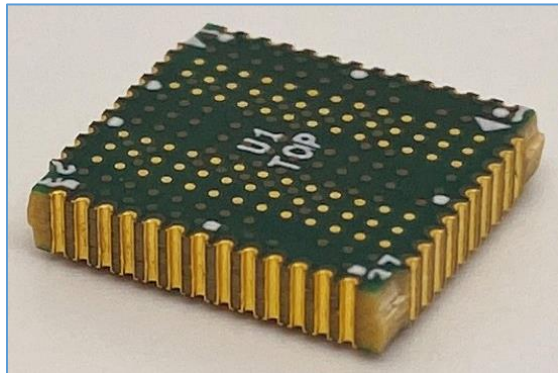


DDR4 Interposers

DDR4 78 Ball XH Series EdgeProbe™ Interposers



Key Features

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

Applications

- DDR4
 - Memory validation and debug
 - Monitoring bus traffic
 - Bus traffic measurement
 - Analog insight
- DDR4 rates above **DDR4-3200**

EdgeProbe™ Interposer Technology



Nexus Technology's patent pending 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 in to the interposer itself. In doing so, the probe point moves extremely close to the component pad which is the optimal and least intrusive location.

Software

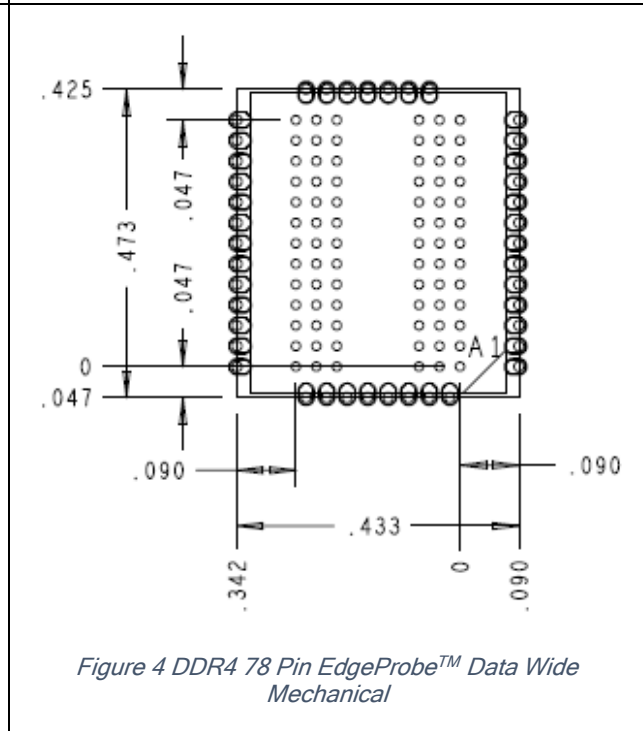
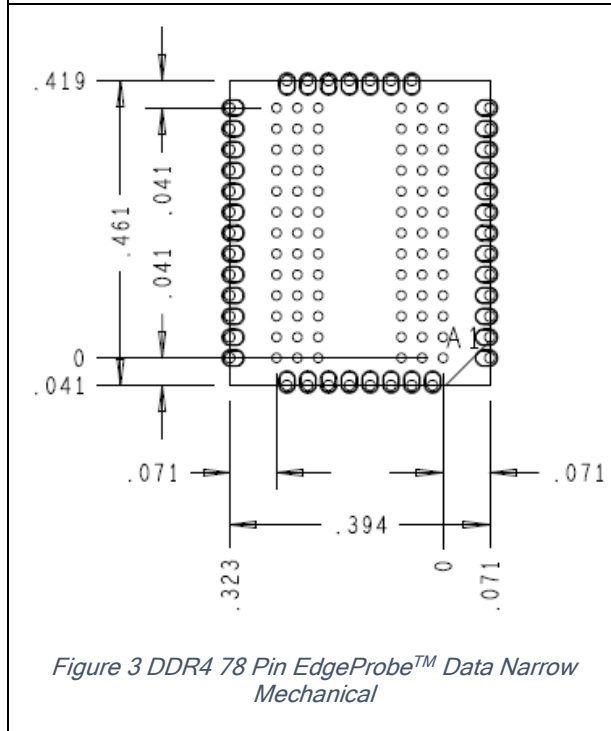
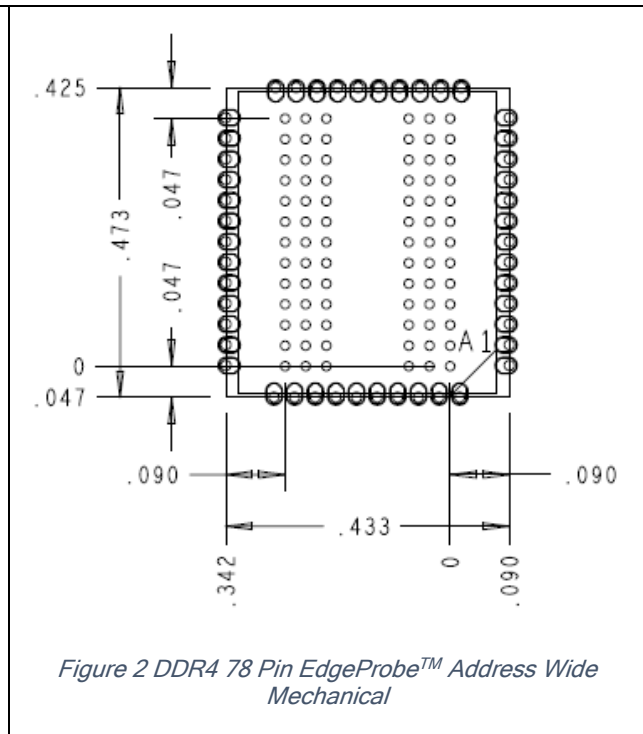
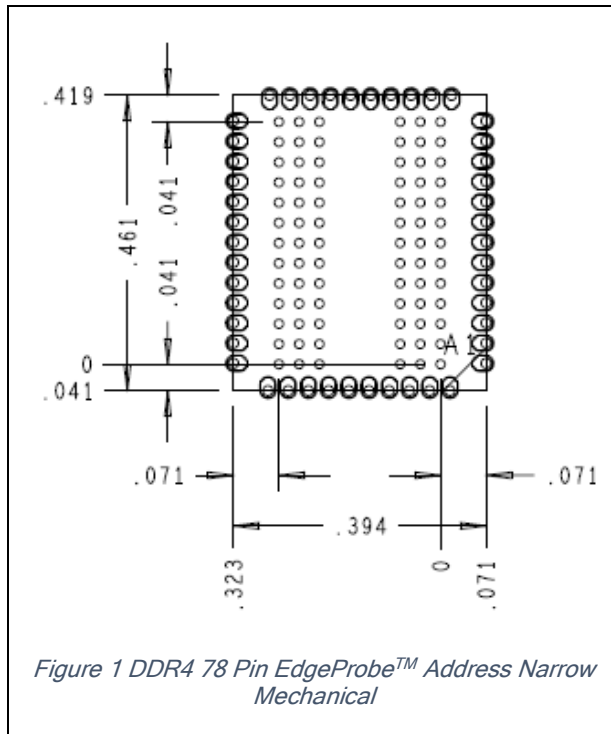
Oscilloscope de-embedding software filters/removes interposer effects. Please contact Nexus for the appropriate de-embedding software for your interposer.

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 Outlines



Probe Point Signal Lists

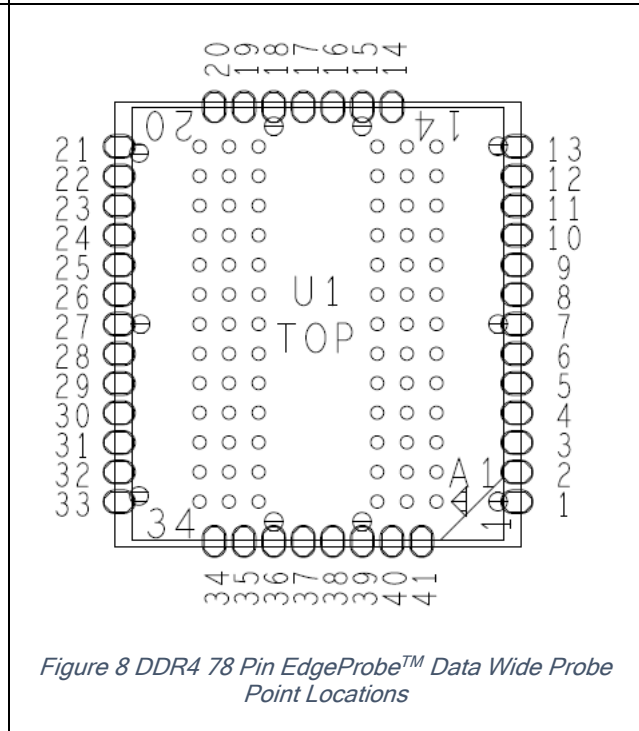
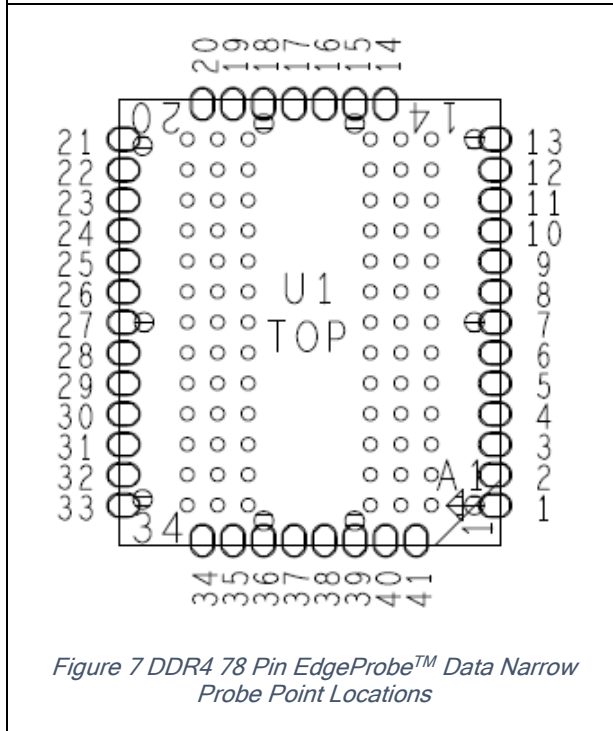
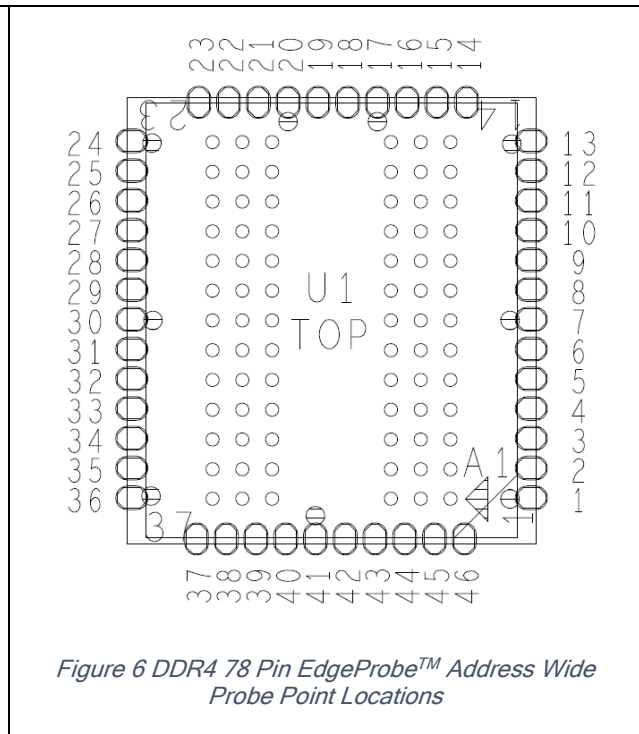
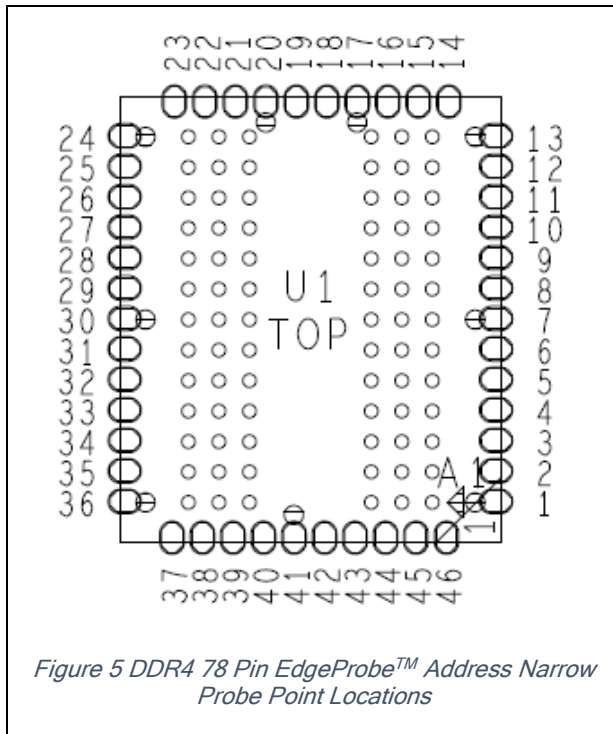
NEX-DDR4MCI78XHEPSD and NEX-DDR4MCI78XHEPWD

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GND	15	GND	29	CK#
2	DQ0	16	PARITY	30	CK
3	DQ4	17	C2 / ODT1	31	DQ7
4	DQ2	18	GND	32	DQ5
5	C0/CKE1	19	ODT	33	GND
6	DQ6	20	ALERT#	34	DQ3
7	GND	21	GND	35	DQ1
8	CKE	22	BA1	36	GND
9	WE# / A14	23	BG1	37	DM / TQS
10	ACT#	24	RAS# / A16	38	TDQS#
11	BG0	25	CAS# / A15	39	GND
12	BA0	26	C1 / CS1#	40	DQS#
13	GND	27	GND	41	DQS
14	RESET#	28	CS#		

NEX-DDR4MCI78XHEPSA and NEX-DDR4MCI78XHEPWA

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	GND	17	GND	33	C1 / CS1#
2	CKE	18	A1	34	CK#
3	C0 / CKE1	19	A9	35	CK
4	ACT#	20	GND	36	GND
5	WE# / A14	21	A13	37	ALERT#
6	A10 / AP	22	A7	38	A17
7	GND	23	A5	39	PARITY
8	BG0	24	GND	40	RESET#
9	A4	25	A3	41	GND
10	BA0	26	BA1	42	ODT
11	A0	27	A12 / BC#	43	C2 / ODT1
12	A6	28	BG1	44	DQ0
13	GND	29	CAS# / A15	45	DQS#
14	A8	30	GND	46	DQS
15	A11	31	CS#		
16	A2	32	RAS# / A16		

Probe Point Locations



Product Configuration Table

Nomenclature	Interposer Type
NEX-DDR4MCI78XHEPSA	Address Narrow
NEX-DDR4MCI78XHEPWA	Address Wide
NEX-DDR4MCI78XHEPSD	Data Narrow
NEX-DDR4MCI78XHEPWD	Data Wide

Available Accessories

Type	Desc.	Nomenclature
Riser	Riser elevates interposer 0.50"	NEX-RSRDDR478 ¹
Socket	Memory socket	NEX-SOCKETDDR478
Solder Balls	Install solder balls on socket	NEX-OPT-SOLDERBALLS-SK

¹ Part number NEX-RSRDDR478 includes solder balls

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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