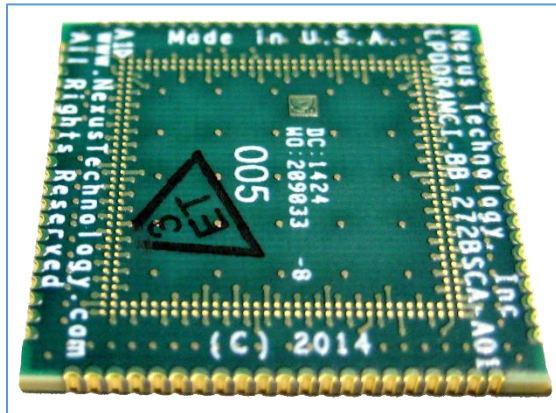


LPDDR4 Interposers

LPDDR4 272 Ball EdgeProbe Interposer



Key Features

- LPDDR4
- 272-Ball
- 4 Channel x16 Datawidth
- High fidelity
- Enables oscilloscope probing

Applications

- LPDDR4
 - 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.

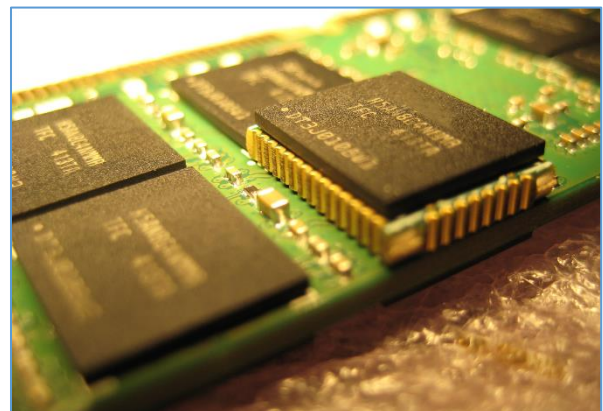


Figure 1 EdgeProbe interposer installed under a memory component

Mechanical Outline

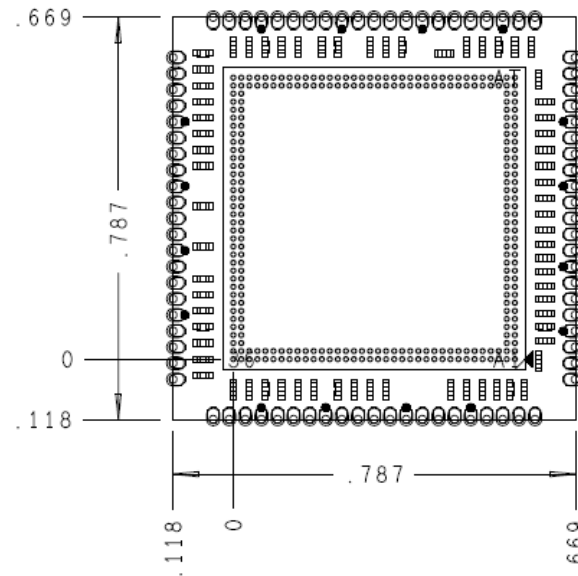


Figure 2 LPDDR4 272 Ball EdgeProbe Interposer Mechanical Dimensions

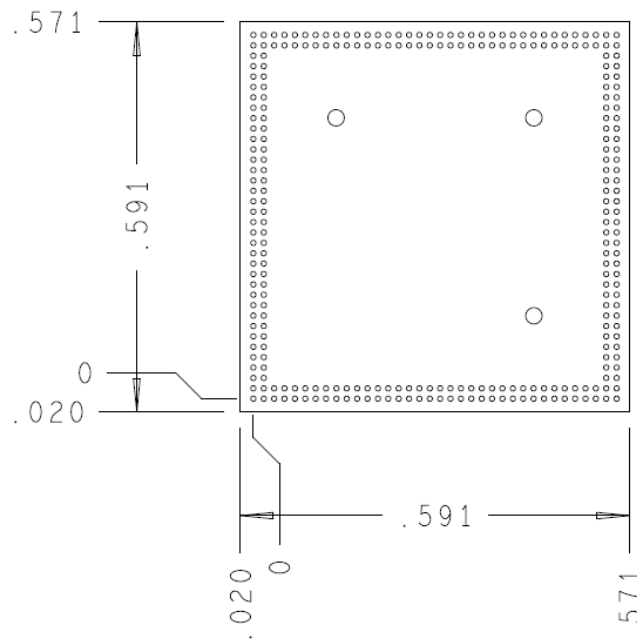


Figure 3 LPDDR4 272 Ball Riser Mechanical Dimensions

Probe Point Signal List

Test point #	Signal Name	Test point #	Signal Name	Test Point #	Signal Name	Test point #	Signal Name
1	CKE1_a	23	CA2_b	45	CK_t_d	67	GND
2	CS0_a	24	GND	46	CK_c_d	68	CA1_c
3	CS1_a	25	CK_c_b	47	GND	69	CA0_c
4	GND	26	CK_t_b	48	CA3_d	70	ODTCA_c
5	CA1_a	27	CA3_b	49	CA2_d	71	GND
6	CA0_a	28	CA4_b	50	CA4_d	72	DQS0_t_c
7	ODTca_a	29	GND	51	GND	73	DQS0_c_c
8	GND	30	CA5_b	52	CA5_d	74	DQ0_c
9	DQS0_c_a	31	RESET_n	53	DQ10_d	75	DQ10_a
10	DQS0_t_a	32	DQ10_b	54	DQ10_c	76	GND
11	DQ0_a	33	DQ0_d	55	GND	77	CA5_a
12	DQ0_b	34	GND	56	CA5_c	78	CA4_a
13	GND	35	DQS0_c_d	57	CA4_c	79	CA3_a
14	DQS0_t_b	36	DQS0_t_d	58	CA2_c	80	GND
15	DQS0_c_b	37	ODTca_d	59	GND	81	CK_t_a
16	CA0_b	38	CA0_d	60	CA3_c	82	CK_c_a
17	GND	39	GND	61	CK_c_c	83	CA2_a
18	CA1_b	40	CA1_d	62	CK_t_c	84	CKE0_a
19	CS1_b	41	CS1_d	63	CKE1_c		
20	CS0_b	42	CS0_d	64	CKE0_c		
21	CKE1_b	43	CKE0_d	65	CS0_c		
22	CKE0_b	44	CKE1_d	66	CS1_c		

Probe Point Locations

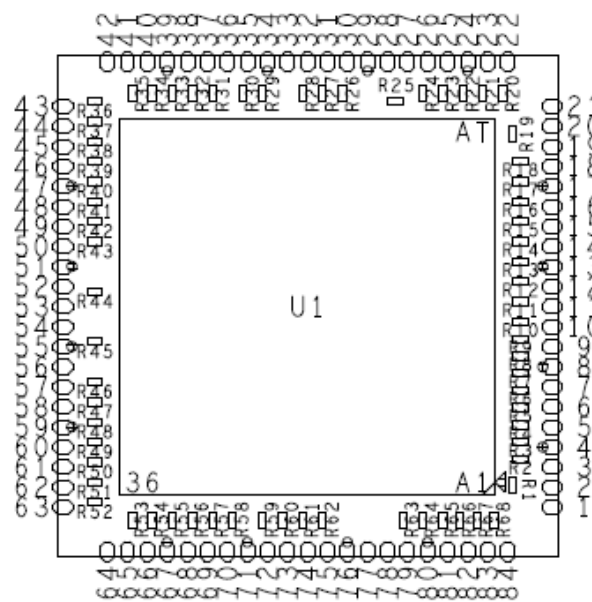


Figure 4 LPDDR4 272 Ball Edge Probe Probe Point Locations

Product Configuration Table

Nomenclature	Solder Balls on Interposer
NEX-LP4MCI272BSCA	Yes

Available Accessories

Type	Desc.	Quantity	Nomenclature
Riser	Riser with Solder balls added elevates the interposer .050"	1	NEX-RSRLPDDR4272
Memory Socket	Memory Socket	1	NEX-SOCKETLPDDR4272

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	www.nexustechology.com
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Email	support@nexustechology.com