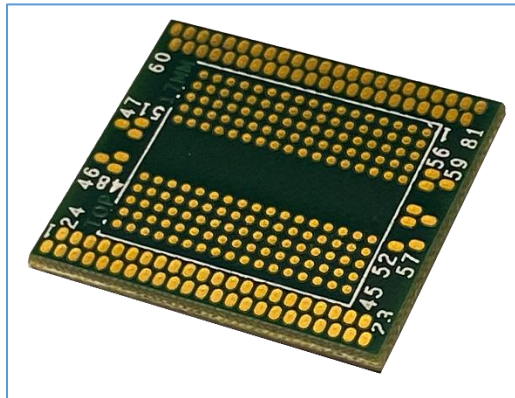


# GDDR5 Interposers

GDDR5 170 Ball Direct Attach Interposer



## Key Features

- GDDR5
- 170-ball
- x16/x32 Datawidth
- High fidelity
- Enables oscilloscope probing

## Applications

- GDDR5
  - 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.

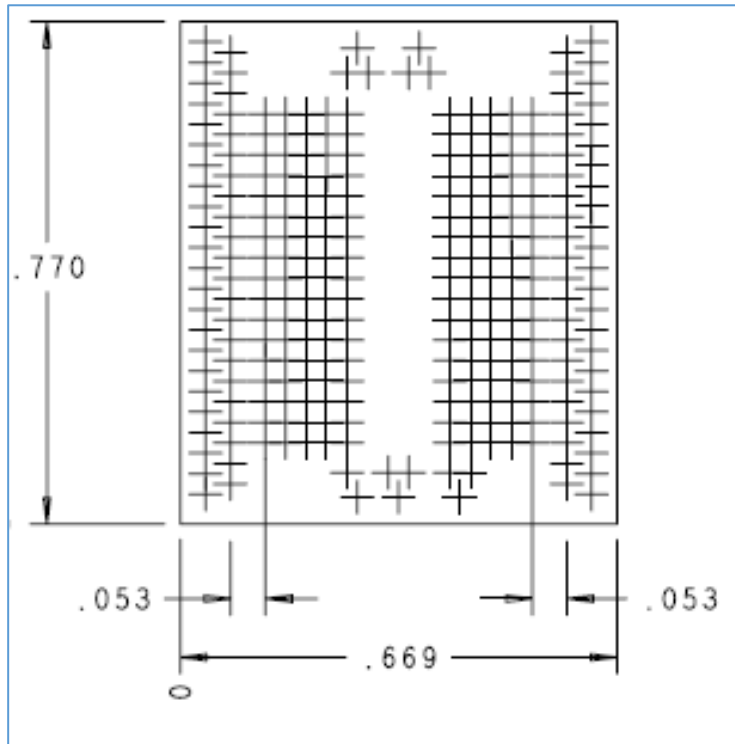
## Attachment Service

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 Direct Attach interposer installed under a memory component

## Mechanical Outline



*Figure 2 GDDR5 170 Ball Direct Attach Interposer Mechanical Dimensions*

## Probe Point Signal List

TEST Point	Signal	TEST Point	Signal	TEST Point	Signal	TEST Point	Signal
1	DQ23	27	GROUND	53	VREFD1	79	DQ3
2	DQ18	28	WE#	54	DQ10	80	EDC0
3	GROUND	29	DQ22	55	WCK01#	81	GROUND
4	DQ17	30	GROUND	56	WCK01	82	DQ24
5	DQ20	31	BA2-A4	57	GROUND	83	DQ26
6	GROUND	32	SEN	58	GROUND	84	GROUND
7	DQ21	33	GROUND	59	GROUND	85	DQ31
8	BA1-A5	34	BA3-A3	60	GROUND	86	DQ30
9	GROUND	35	BA0-A2	61	DQ25	87	GROUND
10	CK	36	GROUND	62	DQ27	88	DQ28
11	CK#	37	DQ14	63	GROUND	89	DQ29
12	GROUND	38	DQ12	64	EDC3	90	GROUND
13	CS#	39	GROUND	65	DBI3#	91	ABI#
14	DQ15	40	EDC1	66	GROUND	92	A11-6
15	GROUND	41	DBI1#	67	A8-7	93	GROUND
16	DQ13	42	GROUND	68	CAS#	94	CKE#
17	VDD	43	DQ11	69	GROUND	95	DQ7
18	GROUND	44	VSSQC11	70	A12	96	GROUND
19	ZQ	45	GROUND	71	RESET#	97	MF
20	DQ9	46	GROUND	72	GROUND	98	DQ5
21	GROUND	47	GROUND	73	RAS#	99	GROUND
22	DQ8	48	EDC2	74	A9-1	100	DBI0#
23	DQ0	49	DBI2#	75	GROUND	101	DQ4
24	GROUND	50	WCK23#	76	A10-0	102	GROUND
25	DQ16	51	WCK23	77	VDDQD1	103	DQ6
26	DQ19	52	DQ2	78	GROUND	104	DQ1

### Probe Point Locations

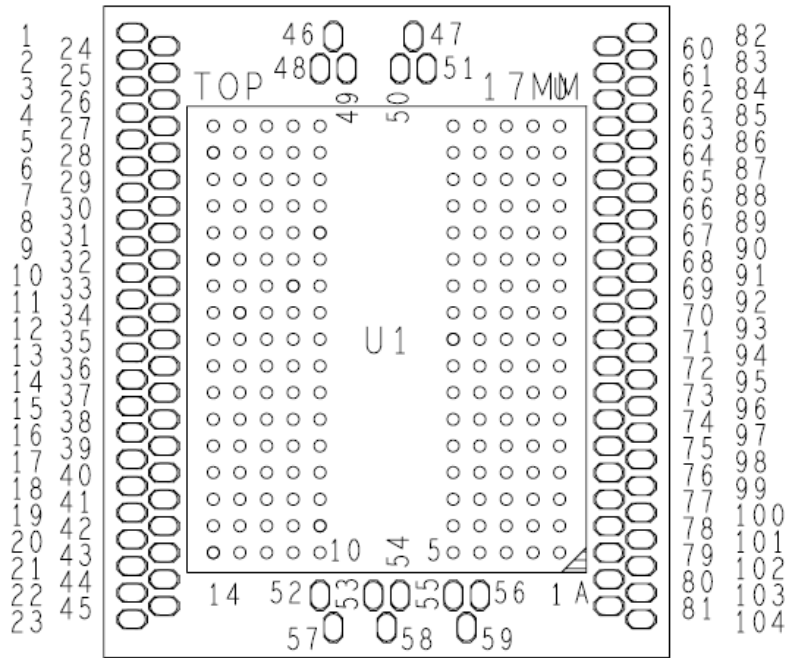


Figure 3 GDDR5 170 Ball Direct Attach Interposer Probe Point Locations

## Product Configuration Table

Nomenclature	Solder Balls on Interposer	Quantity of interposers included
NEX-GDDR5MCI170SCDS	No	10

## Available Accessories

Type	Desc.	Quantity	Nomenclature
Option to add Solder Balls	Add solder balls to Direct Attach interposer	1	NEX-OPT-SOLDERBALLS-DA
Memory Socket	Memory socket	1	NEX-SOCKETGDDR5170

## 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	<a href="http://www.nexustechnology.com">www.nexustechnology.com</a>
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