DDR3/DDR2 Component Interposers
Low Cost Direct Attach for Analog Validation

NEXUS TECHNOLOGY

- Electrically and Mechanically Non-Intrusive
- Probes Existing Designs
- Validation as Seen by Memory Components
- Low Cost
- Direct Attach
- x4/x8 and x16 interposers available
- Oscilloscope Filter Software Available
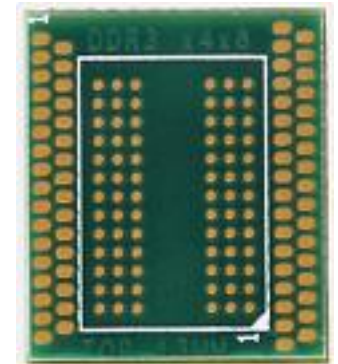
Component Interposer Design

Optimal DDR validation requires analysis of the DDR signals, as seen by the memory components. This allows for the highest confidence that the signals captured are representative, contain little interference, and present the maximum possible data eye size. These low cost component interposers allow for oscilloscope probing of the DDR signals extremely close to the memory components.

Also available are oscilloscope and logic analyzer component interposers with target socket connects for easy assembly and quick swapping between customer targets, component interposers, and DDR components. Please see our website for more information.

Probe Installation

These interposers are installed by soldering the bottom side of the interposer to the DDR BGA footprint on the target where the memory component would normally be soldered. The memory component can then be soldered to the top side of the interposer. These interposers were designed for lead-free or leaded solder. Please see the product manual for temperature profiles and further information on recommended attachment procedures.
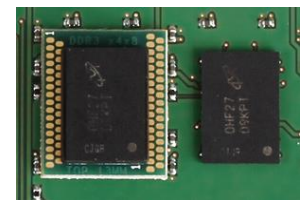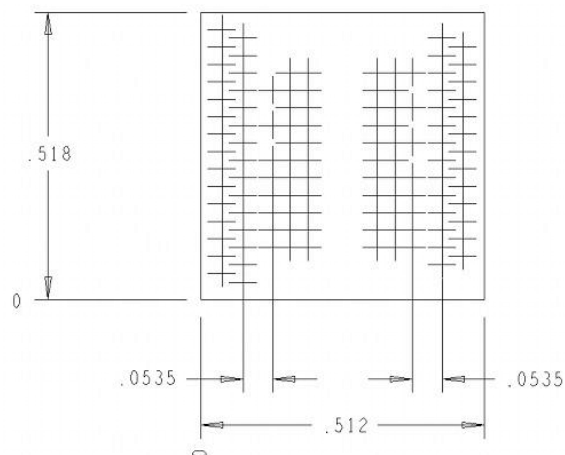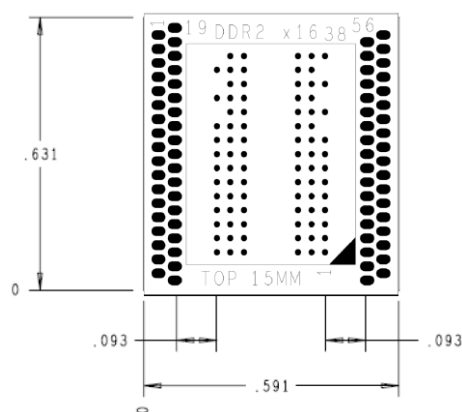
Mechanical Outlines
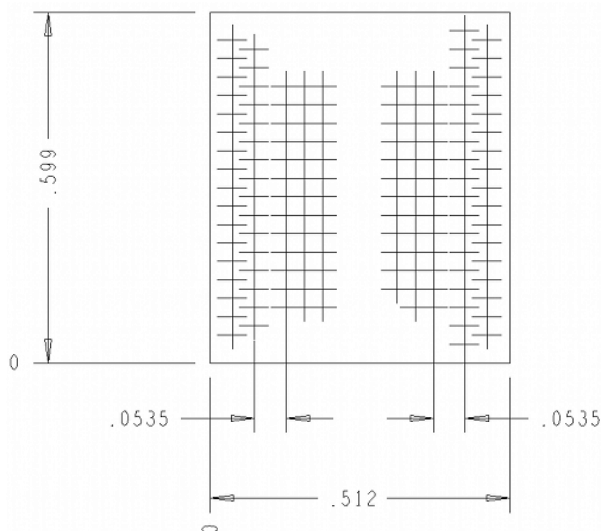
DDR3 x4 / x8 Component Interposer Dimensions
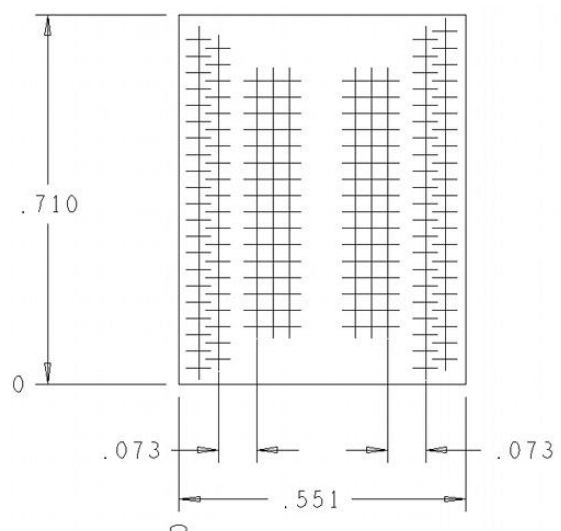
DDR3 x16 Component Interposer Dimensions

DDR2 x4 / x8 Component Interposer Dimenstions

DDR2 x16 Component Interposer Dimensions

Product Configuration Table

Nomenclature	Interposer Type	Data Width	DDR Speed (Verified)
NEX-DDR3MCI78SCDS	Oscilloscope	x4/x8	DDR3-3200
NEX-DDR3MCI96SCDS	Oscilloscope	x16	DDR3-3200
NEX-DDR2MCI60SCDS	Oscilloscope	x4/x8	DDR2-1067
NEX-DDR2MCI84SCDS	Oscilloscope	x16	DDR2-1067

Further Information

Please contact us by telephone, email or mail as listed below. Email is preferred. Normal business hours are 9:00 - 5:00 EST.

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