

# DDR3 EdgeProbe™ Component Interposers

Solder Attach for Electrical Validation



- Electrically and Mechanically Non-Intrusive
- Probe Existing Designs
- Validation as Seen by Memory Components
- Low Cost
- Direct Attach EdgeProbe
- x4/x8 and x16 support
- Oscilloscope Filter Software Available



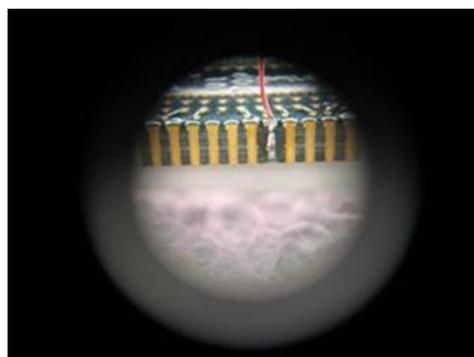
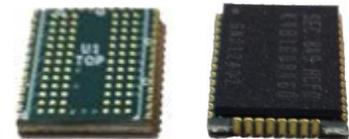
## Component Interposer Design

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 component interposers allow for oscilloscope probing of the DDR signals extremely close to the memory components.

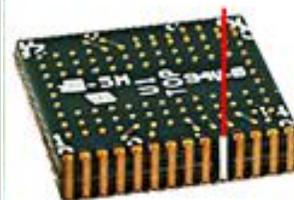
Also available are oscilloscope and logic analyzer component interposers with target socket connects for easy assembly and quick swapping between customer targets, component interposers, and DDR components. Please see our website for more information.

## Probe Installation

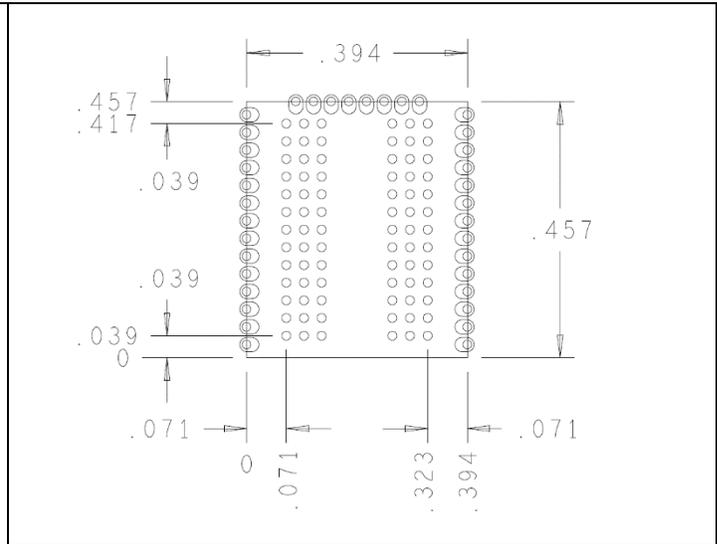
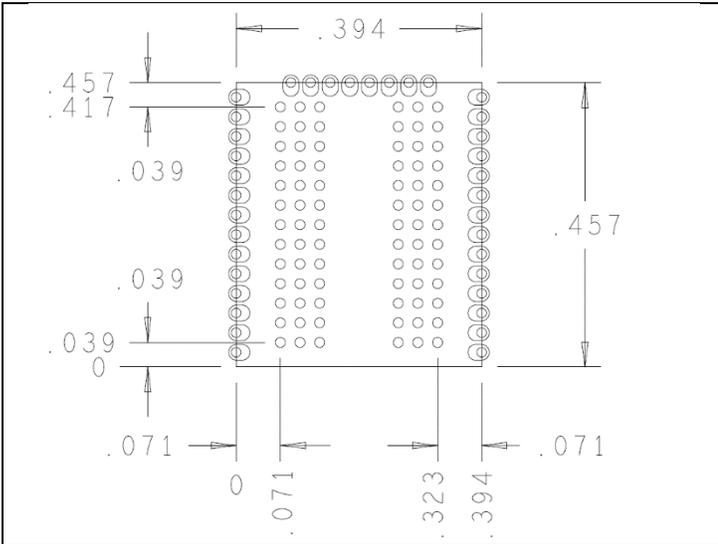
These interposers are installed by soldering the bottom side of the interposer to the DDR BGA footprint on the target where the memory component would normally be soldered. The memory component can then be soldered to the top side of the interposer. These interposers were designed for lead-free or leaded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



Wire shown longer for illustration only.

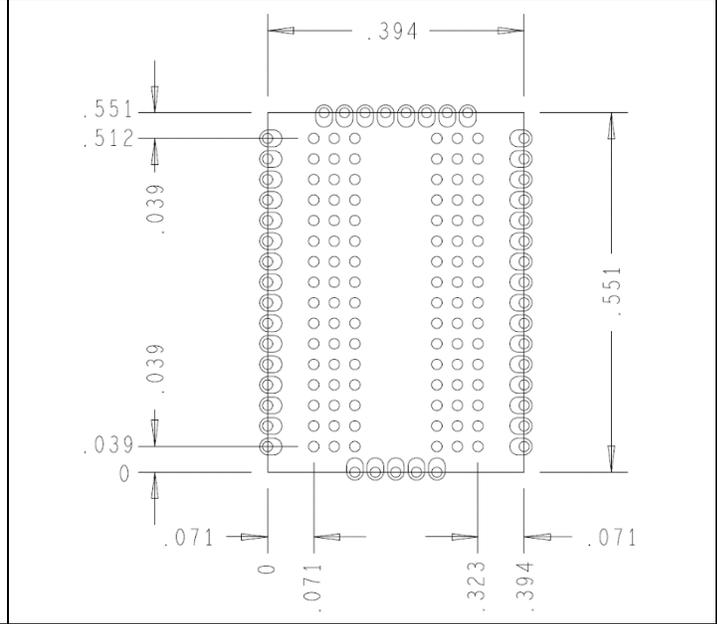
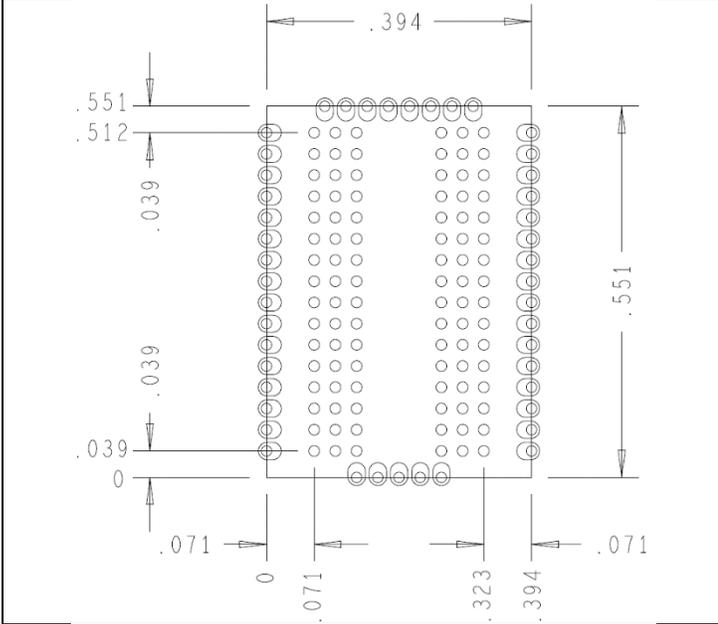


# Mechanical Outlines



DDR3 x4 / x8 Address Interposer Dimensions

DDR3 x4 / x8 Data Interposer Dimensions



DDR3 x16 Address Interposer Dimensions

DDR3 x16 Data Interposer Dimensions

## Product Configuration Table

Nomenclature	Interposer Type	Data Width	DDR Speed (Verified)
NEX-DDR3MCI78SCDSA	Address	x4 /x8	DDR3-2133
NEX-DDR3MCI78SCDSD	Data	x4 /x8	DDR3-2133
NEX-DDR3MCI96SCDSA	Address	x16	DDR3-2133
NEX-DDR3MCI96SCDSD	Data	x16	DDR3-2133

## Other DDR Probing Solutions

The Nexus Technology and Tektronix partnership provides the industry's most comprehensive solutions for customers performing DDRx SDRAM solutions. There is a family of logic analyzer solutions to suite a vast array of applications from mature technologies such as DDR 1 and 2 to cutting edge technologies like DDR3-2400 (Double-data rate dynamic RAM @2400MT/s), LVDDR3 (low-voltage DDR3 @1.35V), LPDDR2/3 (low-power DDR2 and 3), and PCIe3 (PCI-Express V3). There are easy to use interposer and probing solutions for connectivity to a wide variety of target platforms. For DDR4 the options include slot interposers: DIMM, SODIMM, component interposers: x4/x8/x16, and embedded direct probing solutions. Interposers are also available with CMD/ADDR/CTRL only acquisition or reduced data rate acquisition for applications with varying needs or budgets.

## 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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