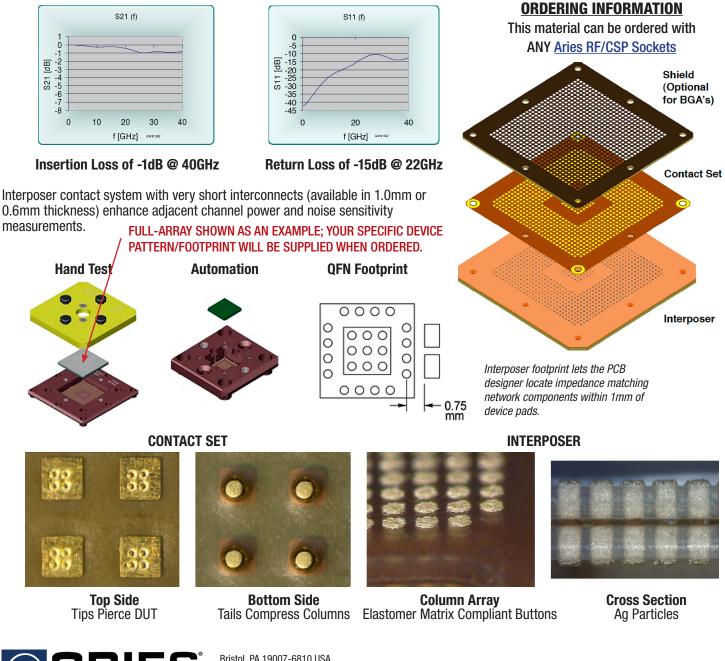


Ideally Suited for RFIC and Microwave IC Development & Test Interposer Contact System – AR200 and AR300 Series Test Sockets

Announcing significant improvements to our high-performance contact system. Using our proven Interposer Elastomer Technology, the new CORE feature internally controls compression to ensure stability with extremely low resistance values and much longer contact element life. (See Interposer Contact System Life on following page).

Low interconnect parasitics make these sockets an ideal choice for device characterization or high-volume production testing of devices, such as power amplifiers, mixers, highly integrated RF ICs, and microwave devices.





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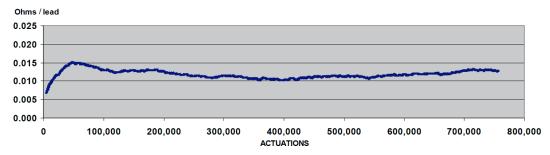
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Long-Life Hi-Frequency Sockets for BGA, LGA, QFN, MLCC, µBGA and Bumped Die Devices

High-Performance Interposer Contact Technology Suitable for Manual & Automated High-Volume Production Test



Interposer Contact System Life: QFN 0.5mm Pitch, 1.0mm Full Height

AR200 Series: 1.0mm Full Height Specifications

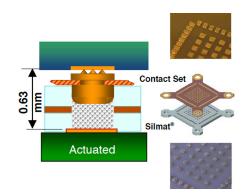
(measured in a 0.5mm pitch environment, GSG) Insertion Loss S21: -1dB @ 40GHz Return Loss S11 thru: -15dB @ 22GHz Self Inductance: 0.33nH Mutual Capacitance: <0.05pF Operating Temperature: -55°C to 155°C Contact Resistance: <25m Ω Current Rating: 4A per lead with a 14°C rise Contact Length (compressed): 1.04mm Contact Force/Travel: 25-45 gf/0.4mm travel Contact Set Life: >2,000,000 insertions Interposer Elastomer Life: >500,000 insertions

Contact Set

Silmat

AR300 Series: 0.6mm Half Height Specifications

(estimated 0.5mm pitch environment, GSG) Insertion Loss S21: -1dB @ >40GHz Return Loss S11 thru: -15dB @ >22GHz Self Inductance: <0.15nH Mutual Capacitance: <0.02pF Operating Temperature: -55°C to 155°C Contact Resistance: <25m Ω Current Rating: 4A per lead with a 14°C rise Contact Length (compressed): 0.63mm Contact Force/Travel: 25-45 gf/0.28mm travel Contact Set Life: >2,000,000 insertions Interposer Elastomer Life: >500,000 insertions



Interposer Elastomer Conductive Columns, available in 2 Standard Heights with Standard & Custom Pitches from 1.27mm to 0.4mm

See Assembly and Maintenance Instructions

Actuated



1.04 mm

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