High-Frequency Interposer Socket

FEATURES
- Pressure-mount plunge to board interposer
- Multiple configurations: MLF, QFN, CSP, BGA, MSOP, QSOP, QFP, and more
- Very low inductance per contact site
- High cycle life with easy maintenance
- Manual or Automated Handler applications

GENERAL SPECIFICATIONS
- INSERTION LOSS: less than -1dB to 40GHz
- SOCKET BODY MATERIAL: specified at time of quotation
- INTERPOSER: etched Kapton with Au-plated Pads and Compliant Pads on bottom side
- AVAILABLE PITCHES: down to 0.32mm
- CONTACT SELF-INDUCTANCE: 0.11nH (0.50mm pitch CSP).
- VSWR: <2:1 to 40GHz
- CONTACT RESISTANCE: <20mΩ
- CONTACT FORCE: 15-25 grams
- CURRENT CAPACITY: 2 amps (continuous) 4 amps (peak)
- CONTACT LIFE: 50,000-100,000
- SIGNAL PATH LENGTH: 0.011 (with compliant pads)
- MUTUAL CAPACITANCE: 0.015pF
- TEMPERATURE OPERATING RANGE: -40°C to 150°C

MOUNTING CONSIDERATIONS
- SUGGESTED PCB PADS: Au-plated
- MOUNTING FORCE: 5-oz inches [0.035Nm]

ORDERING INFORMATION
Consult Factory for P/N

INTERPOSER CARE and CLEANING

TEST REPORTS
- Kapton CSP RF Measurement
- Kapton CSP Socket DC Cycling
- Kapton CSP Socket DC Measurement
- Kapton CSP Socket RF Cycling
- Kapton Interposer 0.5mm Socket Electrical Characterization
- Kapton Interposer Decibel Graph
- Kapton QFP Microstrip Socket DC Measurement
- Kapton QFP Socket DC Cycling
- Kapton QFP Socket DC Measurement
- Kapton QFP Socket RF Cycling
- Kapton QFP Socket RF Measurement

FULL-ARRAY SHOWN AS AN EXAMPLE; YOUR SPECIFIC DEVICE PATTERN/FOOTPRINT WILL BE SUPPLIED WHEN ORDERED.

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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