

RTI CUSTOM POGO PIN TEST SOCKETS



PRODUCT DATA SHEET

PRODUCT OVERVIEW:

RTI custom pogo pin sockets can be designed to test most LSI packages, MCM, modules, or hybrid packages. We have designed sockets for CCD and other imaging packages, military hybrids, medical modules, custom LSI packages, stacked die packages, optical sensors, modules requiring Kelvin testing, power supply modules, IR detectors, RF modules, and many others.

Our custom sockets can be designed for: bench test, liquid crystal analysis, ESD testing, photo-emission, back-side emission, micro-probing, characterization, low volume engineering as well as high volume production test.

TYPICAL APPLICATIONS:

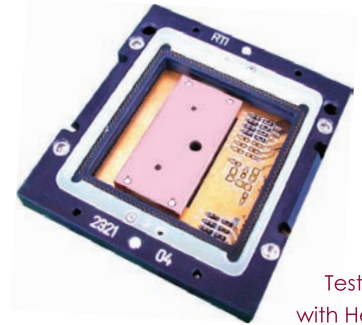
- ◆ Kelvin Testing
- ◆ Strip Testing
- ◆ Multi-site Sockets
- ◆ Liquid Crystal Analysis
- ◆ ESD Testing
- ◆ Micro-probing
- ◆ Photo-emission
- ◆ Engineering and Production Test

TYPICAL DEVICES UNDER TEST:

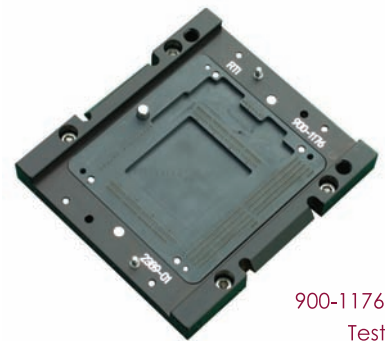
- ◆ Optical Sensors
- ◆ Custom RF Modules
- ◆ Power Modules
- ◆ CCD Packages
- ◆ Military Hybrids
- ◆ Custom LSI Packages
- ◆ Camera Modules Requiring Lenses

SOCKET FEATURES CAN INCLUDE:

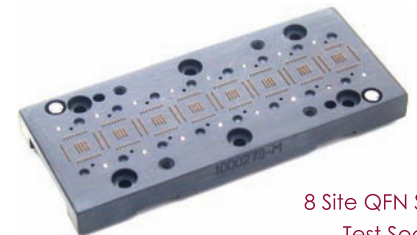
- ◆ Probe Pitches as small as 0.3 mm
- ◆ Double Side Test
- ◆ Multiple Lid Styles Available to Meet Most Any Requirement
- ◆ Multiple Types of Pogo Pins Are Available to Meet Most Requirements (lead-free, low inductance, high force, high current, Kelvin testing, ect.)
- ◆ Very low profile lids available for micro-probing and liquid crystal analysis



Hybrid
Test Socket
with Heat Sink



900-1176 Hybrid
Test Socket



8 Site QFN Strip
Test Socket



Kelvin
High
Current
Test Socket

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PRODUCT DATA SHEET (CONTINUED)

SOCKET FEATURES CAN INCLUDE (CONTINUED):

- ◇ Open socket bases for back-side emission
- ◇ Low inductance pins for RF characterization and test
- ◇ High force pins for lead free packages
- ◇ Pockets under sockets for component placements
- ◇ Custom lids (heated, heat sinks, ect.)
- ◇ Dual side testing
- ◇ Interfaces to handlers



900-1175:
80 Pin TQFP Production Floating Base Test Socket
with Center Ground Pins and Heat Sink



900-1166: 121 BGA
Socket With Custom
Lid To Hold Lens



BGA Test Socket
With Interposer and PCB for RF Measurements



Custom 8 Site Work Press
With Vacuum Pick-up and
Universal Interface to DUT Board