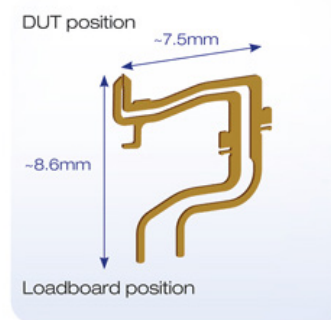


cCompact Contactor

Multisite Testing of Analog and Smart Power Devices requiring Kelvin Test



**Innovative High Density Socket Architecture
for High Parallelism Applications**



Automotive / Power



Mobility



Precision Analog / Sensors



High End Digital



RF

High Productivity

- Extremely long cleaning interval
- Easy single pin replacement
- Very long pin life due to use of Denmark Alloy

Key Features

- Reduced site to site pitch concept enables high parallel test for power applications on Strip test and Pick&Place handler platforms
- Outstanding CRES stability
- Smallest pitch: 0.40 mm
- Static connection to load board
- Current carrying capability 2.5 A

- Temperature range -60°C to +175 °C
- Integrated socket air-distribution

- Contact resistance 30 mΩ
- High current carrying capacity

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Specifications

Electronic Specifications

- CRES average
 - 80 mOhm
- Current Carrying Capability ¹⁾
 - 2.5 A
- Self Inductance ²⁾
 - 6.5 nH
- Capacitance GND ²⁾
 - 0.80 pF
- Insertion loss S₂₁ ²⁾
 - -1 dB @ 1.5 GHz

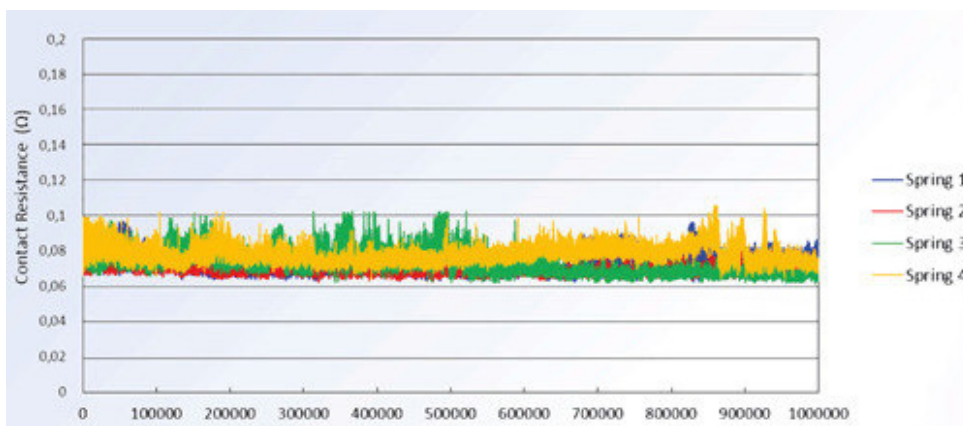
Mechanical Specifications

- Compressed Contact Height
 - 7.90 mm

- Contact Force
 - 50 grams
- Minimum Pitch
 - 0.40 mm
- Contact Compliance
 - 0.30 mm
- Temperature Range
 - -60°C to +175°C
- Pin Material
 - Proprietary Denmark Alloy
- Pin Plating
 - Hard Gold
- Housing Material
 - Torlon 5030
- Pin Lifetime
 - 1.000.000 (typical)
- Cleaning Interval
 - > 100.000 (typical)

1) PER ISMI # 09075021A-TR
 2) Results for 0.5 mm pitch

Contact Resistance



All specifications are subject to change without notification and are for reference only. Use contactor drawing to design interface hardware. For detailed performance specifications, please contact Cohu.