MAXOR ecoAmp
Kelvin Test Contactor

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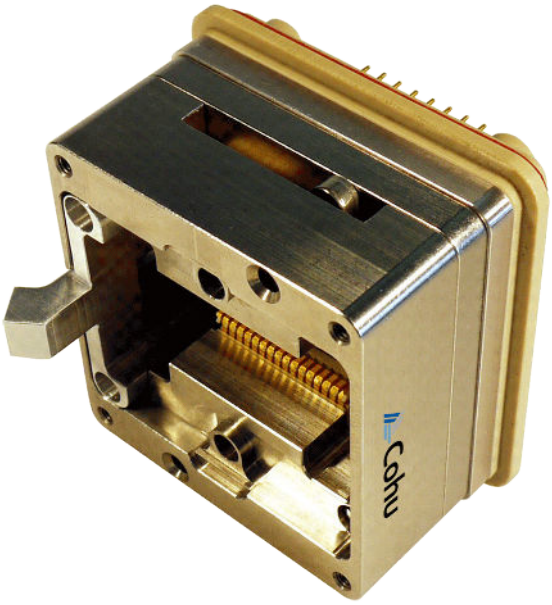
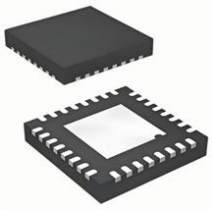
Cantilever Contactor for High-Power Applications, Developed for the Highest Current Requirements



Packages

DPAK

SO



QFN

TO

End Product Markets

Automotive / Power

Precision Analog / Sensors

Low and Stable CRES for RDS on Test

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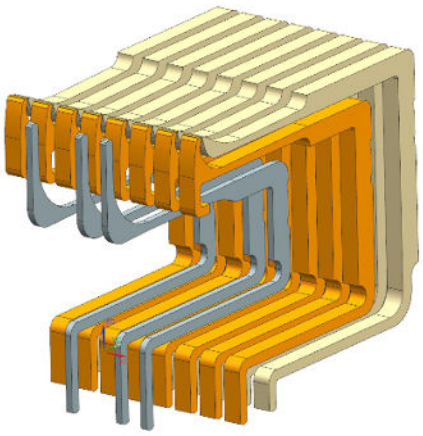
Key Features

- **Universal Compatibility Across Test Platforms.** Designed for strip testing and seamless integration with all handler types, enabling easy deployment across diverse test environments.
- **Ultra-Fine Pitch Support.** Enables reliable testing down to 0.50 mm pitch for advanced, high-density devices.
- **Higher First-Pass Yield.** Consistent contact performance improves yield and reduces costly retest cycles.
- **Full-Spec Test Performance.** Low, stable contact resistance supports testing at full electrical specification values.
- **Automotive-Ready Temperature Range.** Designed to operate across an extended automotive temperature range for demanding applications.
- **Decoupled Contact Motion.** Separates contact motion from the test board to reduce stress and enhance reliability.
- **Self-Cleaning Contact Action.** Proven wipe mechanism keeps contacts clean, maintaining signal integrity over time.
- **Durable Monolithic Pin.** Delivering long life and consistent performance.
- **Lower Cost of Test.** Improves OEE through extended maintenance intervals and reduced overall test costs.



Patened Spring and Tip Geometry for Optimized Heat Dissipation

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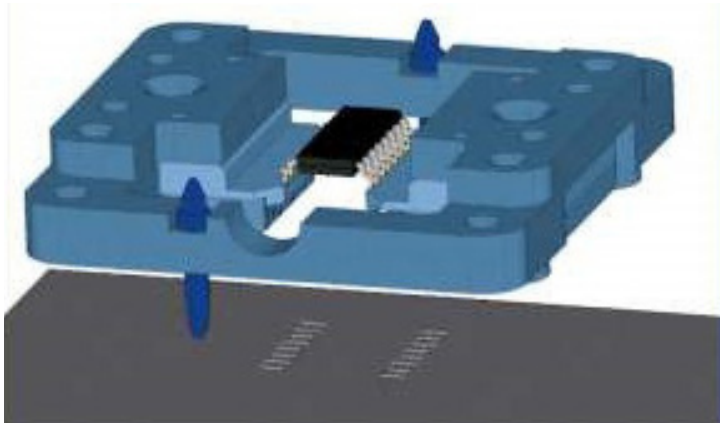
ELECTRICAL SPECIFICATIONS		
Bandwidth	0.35 GHz @ -1 dB (dual, GSG 0.5 mm pitch)	0.80 GHz @ -1 dB (dual, GSG 1.27 mm pitch)
Loop Inductance	2.3 nH (dual, GSG 0.5 mm pitch)	4.5 nH (dual, GSG 1.27 mm pitch)
Typical Contact Resistance(1)	Hard gold coating: 30 mΩ	Forta: 30 mΩ
Maximum Peak Current(2)	160 A @ 1% duty cycle	
Maximum Continuous Current	8 A	

MECHANICAL SPECIFICATIONS	
Contact Spring Type	Cantilever / single piece
Contact Spring Force	1.3 N/pair - 3.2 N/pair (application dependent)
Standard Test Height	Application dependent
Contact Spring Material(3)	CuBe
Temperature Rating	-60°C to +175°C
Contact Spring Coating(3)	Hard gold coating, Forta
Plunge to Board	Thermal insulation available
Technical Standards	Compliant to ISO 9001: 2000
Contact Spring Lifespan(4)	1,000,000+ insertions



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.

(1) Typical resistance measured between Au plated sheets
(2) Based on 1 sec cycle time and 20°C temperature rise
(3) Other base materials and coatings on request
(4) Electrical resistance increase due to contamination not covered

REV20260409

www.cohu.com/ecoamp
www.cohu.com/interface-solutions

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