



MAXOR cCompact Kelvin Test Contactor

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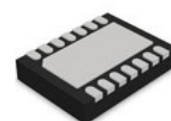


Kelvin Test Contactor

Ideal for Multisite Testing of Analog and Smart Power Devices Requiring Kelvin Test



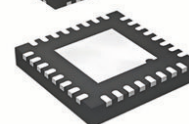
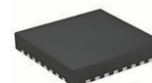
Packages



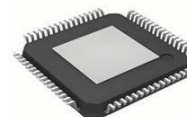
DFN



SO



QFN



QFP

End Product Markets



Automotive / Power

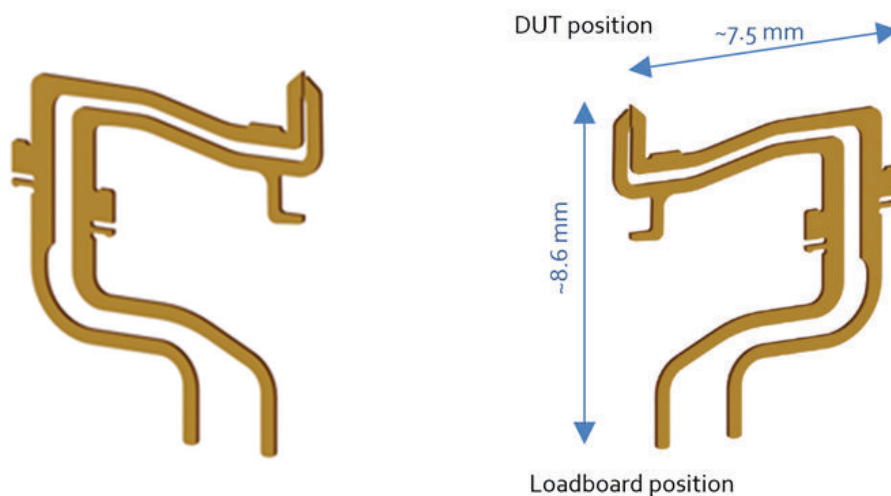


Precision Analog / Sensors

Very Long Pin Life Due to Use of Denmark Alloy

Key Features

- **Temperature Resilience.** Temperature range -60°C to $+175^{\circ}\text{C}$.
- **Electrical Performance.** Current carrying capacity up to 3.0 A continuous. Maximum peak current 45 A @ 1% duty cycle.
- **Innovative Architecture.** Innovative high density socket architecture for high parallelism applications.
- **Impressive Cleaning Intervals.** Extremely long cleaning interval $>100,000$ (typical).
- **Parallel Test Optimization.** Reduced site to site pitch concept enables high parallel test for power applications on Strip test and Pick & Place handler platforms
- **Contact Resistance.** Contact resistance up to 40 m Ω .
- **Precision Contact Advantage.** Designed with easy single-pin replacement for faster maintenance and supports a 0.40 mm ultra-tight pitch to maximize density in demanding test environments.
- **Enhanced Airflow Integration.** Featuring an integrated socket-air distribution system for optimized thermal performance and a fixed interface to the load board to ensure consistent electrical connectivity.
- **Reliable Conductivity Assurance.** Delivers exceptional CRES stability over extended test cycles to maximize reliability and minimize maintenance needs.



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

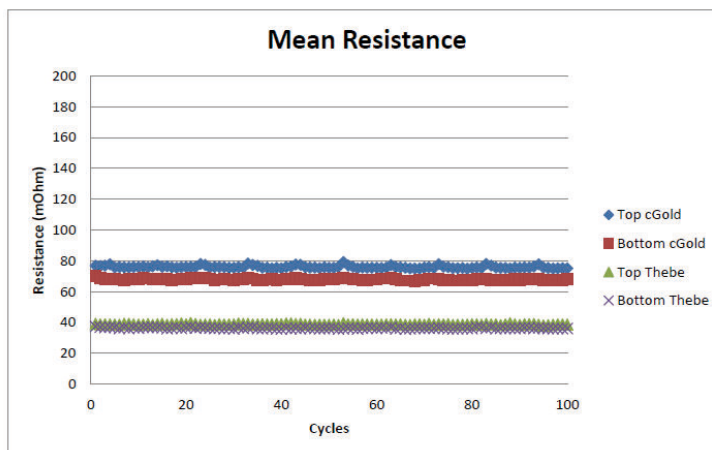
ELECTRICAL SPECIFICATIONS

	Thebe Plating	Gold Plating
CRES Average	40 mOhm	80 mOhm
Current Carrying Capability ⁽¹⁾	3.0 A	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	100% Sn lead plating: 50 grams	NiPd lead plating: 35 grams
Minimum Pitch	0.40 mm	
Contact Compliance	0.30 mm	
Temperature Rating	-60°C to +175°C	
Pin Material	Proprietary Denmark Alloy	
Pin Plating	Thebe	Gold
Housing Material	Torlon 5030	
Pin Lifetime	1,000,000 (typical)	
Cleaning Interval	>100,000 (typical)	

Contact resistance on gold-plated sheet



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) PER ISMI # 09075021A-TR

(2) Results for 0.5 mm pitch