

APPLICATION NOTE

www.ittcannon.com

MIKM Series of Mini Circular Connectors

October 2008

The Challenge

A customer came to ITT-ICS looking for a mini circular interconnect system that was a high density package capable of surviving the harsh environment typically found in aircraft systems. The connector system had to be compact yet robust enough to perform in extreme temperature swing environments and permit highly reliable signal fidelity under shock and vibration loads.



Product Features

- 7,55 & 85 contact positions on 0.050 spacing
- MIKM mini circular with Stainless steel shell
- Twist Pin Contact system
- Crimped gold plated contacts
- Threaded coupling mechanism
- Size # 24 AWG through #32 AWG wire sizes
- Thermoplastic dielectric insulator
- Reverse gender connector configurations

Applications

- Avionics Systems
- Radar Systems
- Tactical Communications Systems
- Aircraft Imaging systems
- Medical Electronics

The ITT Solution ...

ITT Interconnect Solutions Cannon proposed the MIKM mini circular connector series with 55 contacts on 0.050 spacing. The MIKM threaded coupling series fully terminated to crimp twist pin contacts offered a robust yet cost effective interconnect system that allowed a high density cable assembly to be integrated into a sophisticated aircraft system.

For application assistance, please contact:

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