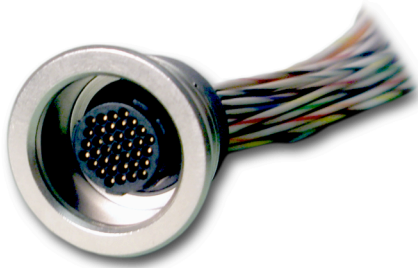


# APPLICATION NOTE

[www.ittcannon.com](http://www.ittcannon.com)**MIKQ IP 68 Pressure rated connector Series****October 2008**

## The Challenge

ITT-ICS customers had approached ITT about making our existing mini circular MIKQ connector series to withstand 5 PSI pressure environments. Initially developed by ITT-ICS for high density packaging in harsh environments, the MIKQ series of mini circular connectors have been successfully used in tactical field communications and imaging devices. Customers challenged ITT to provide higher rated sealing processes while maintaining the same physical footprint of the MIKQ series. This footprint would need to incorporate new sealing materials and a new contact design.



## Product Features

- 37 contact positions on 0.050 centers
- Brass metal shell
- Twist Pin Contact system
- Crimped gold plated contacts
- Push/Pull coupling mechanism
- Size # 24 AWG wire sizes
- Sealed insulator and contact areas
- Pressure rating of 5 PSI

## Applications

- Tactical Communication Systems
- Imaging Systems
- Tactical Control Systems
- TV Camera Systems

## The ITT Solution ...

ITT Interconnect Solutions Cannon designed the IPC 68 standard MIKQ series by designing an effective contact system that would adhere to a unique sealant material while maintaining 0.050 contact spacing. ITT-ICS standard crimp contact wire terminations provide a cost effective yet reliable sealed interconnect solution in a very demanding environment.

*For application assistance, please contact:*

### **AMERICAS**

Barry Cambeilh, +1.714.628.8218, [barry.cambeilh@itt.com](mailto:barry.cambeilh@itt.com)

### **EUROPE**

Nick Lewis, 44 (0) 1256 311 993 [nick.lewis@uk.itt.com](mailto:nick.lewis@uk.itt.com)