

# APPLICATION NOTE

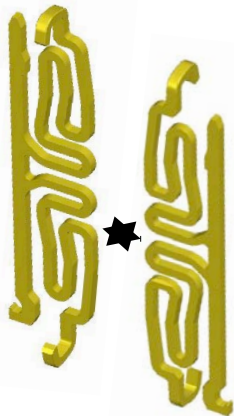
[www.ittcannon.com](http://www.ittcannon.com)
**Micro Bus Floating (MBF) Connector**
**August 2009**

## The Challenge

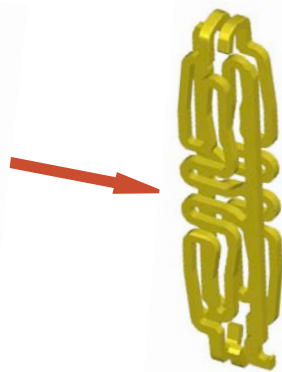
A customer approached ITT to design a connector for a computer data bus connection for satellite applications. Because of space limitations, the challenge was that the interconnection must have a space-saving design, have high contact reliability, be easily mateable, and capable of holding 2 or more PCB frames stacked together.

## Product Features

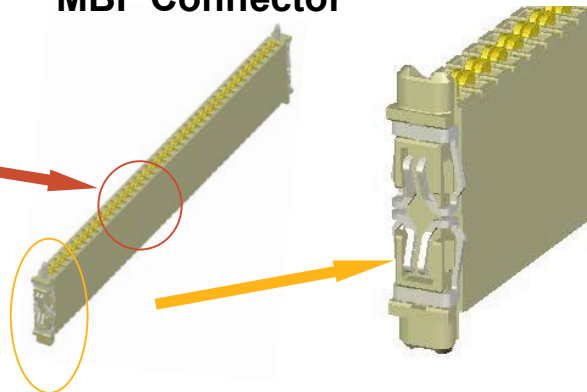
- 1.27mm contact pitch
- 8mm mating height
- 40 position board-to-board spring contact
- Up to 1000 mating cycles
- BeCu contact material, gold over nickel plating



**\*Double contact**



## MBF Connector



**\*Floating metal spring**

## Benefit to Customer

- Low profile and light weight
- Durable and reliable
- Suitable for 2 to 12 PCB frames stacking connection

## The ITT Solution ...

The Micro Bus Floating (MBF) connector was developed to replace the standard elastomeric connector that offers higher life cycles. The double contact design strengthens the contact reliability while the floating metal spring on the housing provides a cushioned effect, which secures the contact accuracy between the connector and the PCB frame.

## Applications

- Satellite computer
- High-end computer
- Medical equipment

### *For application assistance, please contact:*

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