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SALON LE BOURGET 2009– STAND 4F-89

## **Floating connector with 4D tolerance absorption !**

### **Product innovation: smart connectors**

#### **4D = three axial motions + one rotation**

Nicomatic has patented a 4D floating connector, whose innovation consists in a 4D absorption tolerance, +/- 1mm minimum amplitude in three directions and a rotation around X axis.



The new product compensates for functional gaps in the case of PCB mounting inside mechanical structures. The product is now being tested to absorb vibration constraints in a PCB mount on a shock absorber with a panel end.

The 4D floating connector is available in a standard part numbering system and with a large number of possible assemblies, such as straight pc, 90°pc or smt.

There are three main applications:

- \* Blind mating for rack interconnection
- \* Flex interconnection in card-to-card configuration
- \* Chassis mount

The new product complies with MIL-DTL-55302F.