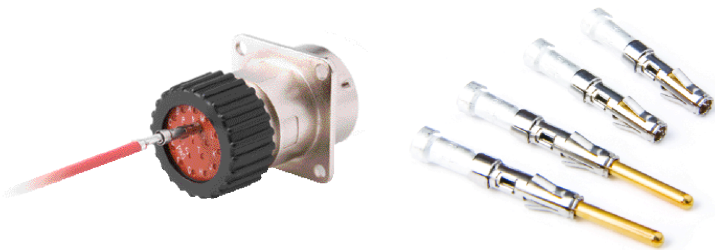


APPLICATION NOTE

www.ittcannon.com**Trident T2P Contacts****January 2009**

The Challenge

The Trident Connector System provides a versatile range of electrical circular and rectangular connectors based on a standard contact design. This connector remains the industry choice for interconnect solutions in harsh environment applications typically found in the Industrial, Transportation, and some select Military platforms. A common basis for all these connectors is the stamped and formed T2P contact. In spite of its popularity, customers questioned the reliability of this contact system for certain layouts and demanding cable harnesses. Customer's doubted whether a front release contact system may reliably work in all demanding situations.



The ITT Solution ...

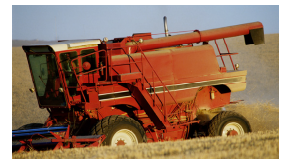
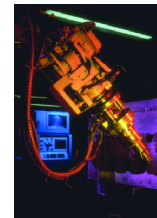
ITT Cannon innovated an enhanced stamped and formed T2P contact. The new solution incorporated significantly improved features while maintaining full contact intermateability and interchangeability to all connectors using the T2P contact. The new T2P contact provides excellent contact alignment for secure mating as well as smooth and easy assembly and disassembly. The need for damaged contact replacement, due to misalignment issues, has been virtually eliminated. In sealed situations where a contact needs replacement, the improved design prevents damage to the grommet (sealing found in the Neptune Series only) on removal or insertion.

Product Features

- Stamped and formed contacts
- AWG14 to 26 wire sizes
- Current rating up to 16A
- Up to 200 mating cycles
- Available in tin and gold plating
- Suitable for all connectors in the Trident product line

Applications

- Wire to board connections
- Robotic systems
- Camera Systems
- Dash boards
- Cabin Applications
- Junction Boxes
- Air conditioning and cooling systems
- Power train (engine / transmission)



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