

## Trident Flame Retardant - Rectangular

*Delivering excellent fire & smoke resistance in a plastic interconnect for tight space integration.*

### The Challenge

In the ever changing railway industry, the customer's demand was to buy a light weight, cost-effective connector with a high level of fire and smoke resistance suitable for railway applications. The connector had to be a multi-functioning piece for use in circuit boards and wiring applications.

### The Engineered Product Solution

ITT met the challenge with the Trident Flame Retardant. The new Trident Flame Retardant series has no change in overall dimension and layout compared to the standard Trident Snap Together design, but meets flammability requirements and compliancy to railway standards. This series is a light weight and cost-effective solution made especially for tight space integration.

### Innovative Interconnect Benefits

- Excellent price-performance ratio
- Flammability class I2/F2 according to NFF 16-101 and UL 94 V-0
- Strain relief hood available
- Comprehensive range of AWG 16 contacts, wire sizes and platings
- No insertion tool required and only one extraction tool for all Trident contacts

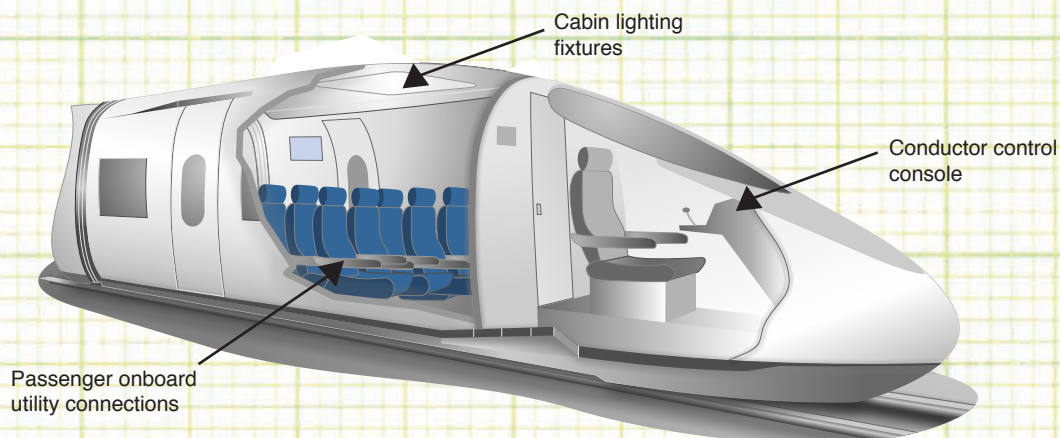
### Attributes and Values

1. 7 layouts from 2 up to 36 contacts
2. Current rating per contact: Up to 13 A
3. Operating voltage: Up to 250V ac rms
4. Excellent durability: Up to 500 mating cycles
5. RoHS compliant
6. Integrally Molded quick connect/disconnect latches



### Applications

- Cabin Applications (e.g. drivers cab)
- Passenger compartments
- Lighting
- Control consoles
- Electrical operating areas



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