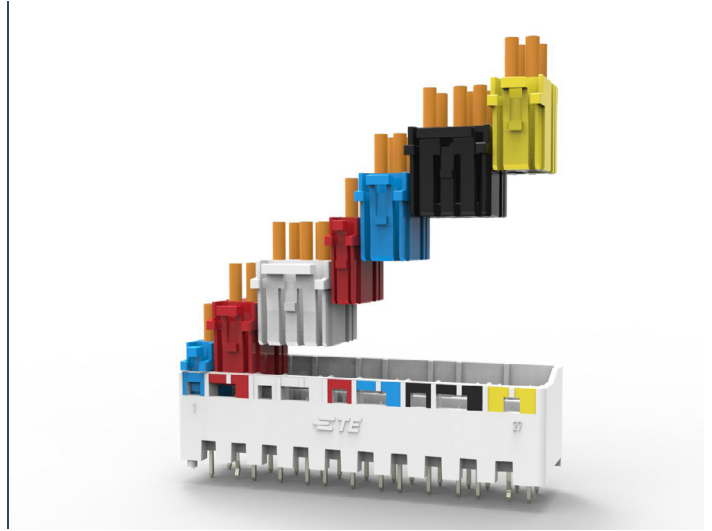


# INTRODUCING GRACE INERTIA MULTI-LOAD CONNECTOR

- Multi-load header supports integrated PCB design
- Poka-yoke part verification with keying & color
- Efficient assembly process



TE Connectivity's GRACE INERTIA multi-load connector is an excellent solution for printed circuit board (PCB) manufacturers designing multi-functional PCB assemblies and looking to improve assembly efficiency. Low mating height supports compact PCB design, while a variety of efficiency and error-proofing features help ensure fast, reliable, and repeatable connections.

## TARGET MARKETS

- Appliances
- Heating, Ventilation, and Air Conditioning (HVAC)
- Intelligent Building
- Automation and Control

## APPLICATIONS

- Appliances: Smart Toilet, Refrigerator, Cooking Equipment, Water Heater
- HVAC Equipment
- Intelligent Building: Monitor & Security System
- Automation & Control: Control Unit

## DESIGN-IN QUESTIONS

- Do you encounter difficulties conserving space in your PCB layout?
- Do you need to combine more connections/loads into a space limited PCB design?
- Would you benefit from poka-yoke features to help prevent mis-mating?
- Have you faced assembly errors caused by terminals that are partially mated or not secured properly?
- What are the flammability requirements for your application?

## KEY BENEFITS

- Multi-load connector design helps save PCB space
- Pre-mounted terminal position assurance (TPA) ensures terminals are fully seated, helping to improve assembly efficiency
- Poka-yoke with keying and color options helps reduce connection errors
- Interchangeable plug system\* provides design flexibility
- Customized configurations can be extended to meet customer specific requirements

## LEARN MORE

- [Landing Page](#)
- [Product Flyer](#)

\*Interchangeable plug system: 6 position can be substituted with a combination of 2 and 4 position plugs (for example: 2389270-1 can be replaced with 2389261-1 and 2389268-1)