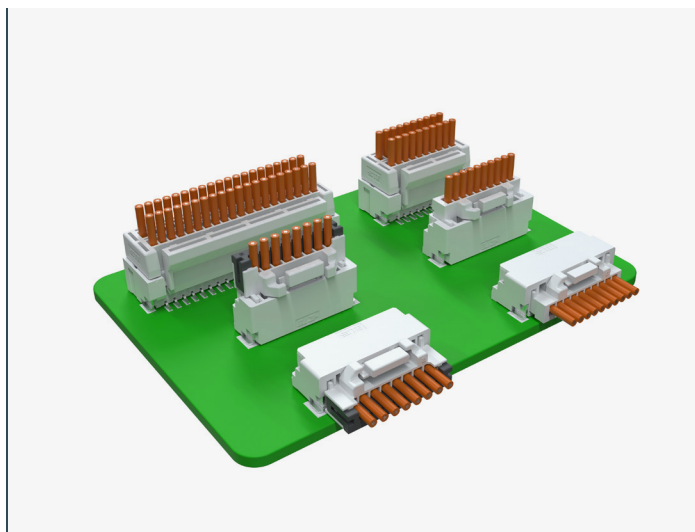


INTRODUCING 1.25 AND 1.5 SIGNAL GRACE INERTIA CONNECTORS

- Miniaturized connector platform
- Surface mount technology (SMT) header support automation assembly
- Reliable connection with GRACE INERTIA lock



TE Connectivity's (TE) 1.25 and 1.5 signal GRACE INERTIA connectors are designed for reliable surface mount technology (SMT) assembly of miniaturized PCB designs. They feature a standard inertia locking mechanism helping to prevent connector half-mating with audible confirmation. These connectors save PCB space with their miniature 1.25 and 1.5 mm pitch, along with a low-profile right-angle header (5 mm). The SMT header supports automated pick-and-place processes, helping to increase efficiency. Poka-yoke design with keying and color helps to reduce assembly errors. Multiple configurations including vertical and right angle (R/A) header, single and dual row, optional TPA provide design versatility for a wide range of applications, such as home appliance, HVAC, intelligent building and machinery.

TARGET MARKETS

- Appliances
- Lawn and Garden
- Lighting
- Intelligent Building
- HVAC
- Machinery

APPLICATIONS

- Home appliance: air-conditioner(AC), washer & dryer, oven, robotic vacuum, coffee maker, water heater
- HVAC: HVAC equipment
- Lighting
- Lawn and Garden: automatic mower, trimmer
- Intelligent building: monitoring system
- Machinery: connected device

DESIGN-IN QUESTIONS

- Do you use automation assembly for compact PCB design?
- Do you need to design different PCB layout for multiple application needs?
- Would you benefit from double proof of colors & keying to improve assembly efficiency?
- What flammability standards do you have to meet?

KEY BENEFITS

- Miniature size connector is suitable for compact solution
- Surface mount technology (SMT) supports automated pick- and-place processes for efficient automation assembly
- Unique design of inertia locking mechanism helps to prevent half mating and to provide high locking force
- Solder peg provides high retention force onto the PCB
- Vertical and right angle (R/A) headers are available
- Single and dual row is available
- Optional terminal position assurance (TPA) and potted header

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