

INTRODUCING

16G 0.5MM FREE HEIGHT STACKING COM CONNECTORS

- **Faster data speed**
- **Better SI performance**



TE Connectivity's (TE) new generation of 0.5mm free height (FH) stacking connectors are compliant with the COM Express Type 7 specification and offer data transmission up to 16 GT/s. They serve as the connection between next-gen CPUs and carrier boards and are an economic solution with high speed and excellent SI performance to address the need for upgrading COM Express applications.

APPLICATIONS

- COM Express modules
- Other applications that need vertical-to-vertical parallel board-to-board connections, e.g.:
 - Embedding modules
 - Customized carrier/PC/control boards

TARGET MARKETS

- Medical Devices & Equipment
- Industrial Machinery & Equipment
- Test & Measurement Equipment
- Computer Equipment & Peripherals
- Telecommunications Equipment

ELECTRICAL

- Voltage rating: 50 VAC
- Current rating: 0.5 A

MECHANICAL

- Temperature rating: -40°C to 125°C

KEY BENEFITS

- Faster data speed—up to double previous generations—with compatibility to PCIe Gen 4 applications
- New contact design enables better signal integrity when compared to our previous generation products and to most in the market
- ~30% improvement in mating/unmating force enables easier operation
- Same footprint as COM Express standard interconnect means there is no need to change PCB footprints when upgrading applications
- Multiple configurations enable system design flexibility

MATERIALS

- Housing: High temperature resin, UL 94-V0
- Contacts: Copper alloy
- Ground plate/Solder peg: Copper alloy
- Solder area: Gold flash

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