

## SIGNAL & POWER CONNECTIVITY SOLUTIONS

# GENERATION Y 68-POSITION SEALED HYBRID INLINE CONNECTOR

Signal, power and data connectivity in  
one connector



TE Connectivity's (TE) leading Generation Y 68P sealed hybrid inline connector combines the robust and reliable MATE-AX mini coaxial connector with a combination of 0.64mm Generation Y signal circuits and 1.5mm and 2.8mm power circuits into one hybrid connection. It is compact in size for a 68P inline connector making it an excellent miniaturized hybrid solution for inline connector consolidation.

The Generation Y 68P sealed hybrid inline connector enables ease of manufacturing for OEMs, reduces the number of connections, simplifies supply chain complexity, and reduces cost. The Generation Y 68P is an all-in-one solution that combines signal, power, and data connectivity into one connector.

## BENEFITS

- **Hybrid Connectivity** - Data Connectivity / Signal / Power in one connector helping support inline connector consolidation and architectural complexity.
- **Miniaturization (Reduced Footprint)** - Helps reduce the size, weight, and complexity of wiring harnesses. Fewer connections and reduced packaging required in the vehicle harnesses.
- **50-65% Less Supply Chain Complexity** - reducing the number of connectors simplifies the supply chain and allows for reduction of inventories.
- **Cost-Effective** - Purchasing one hybrid connector system provides a cost savings vs purchasing multiple connectors. The reduction in size, weight, and complexity also reduces the overall assembly costs for OEMs.
- **Ease of Manufacturing** at OEM and allows for improved packaging and wire routing. Reduced number of mated connections resulting in reduced processing time at OEM assembly plants.

## APPLICATIONS

- Inline applications where separate low voltage signal connectors are running alongside traditional data connectivity connectors
  - Camera's, Antenna's
  - Sensor signals, transfer of video
  - Radio frequency signals along transmission control unit
  - Safety and security systems
  - Body and chassis systems, driver information

## PRODUCT FEATURES

- Signal, power and data connectivity in one inline connector (0.64/1.5/2.8 and MATE-AX mini coax contacts)
- USCAR-25 compliant lever and CPA push surfaces
- USCAR-25 compliant ergonomic forces
- USCAR Class 2 vibration levels
- USCAR Class 3 temperature
- USCAR Class 3 Sealing
- Front-loaded terminal protection assurance (TPA)
- Pin protection plate
- Four keying options
- Proven connector position assurance (CPA) and latch features
- Lever-assist for Class 3 mating forces
- Wire dress covers with built-in bend radius.
- Sealed
- Miniaturized hybrid solution

## LEARN MORE

- [Generation Y 68P Product Page](#)
- [Generation Y Connectors Product Group](#)
- [Generation Y 68P Product Video](#)
- [Hybrid Connectivity Solutions for Automotive Applications Product Page](#)
- [Generation Y Catalog](#)
- [Data Connectivity Product Group](#)
- [MATE-AX Product Page](#)
- [Low Voltage Signal and Power Solutions](#)
- [Signal Connector Solutions](#)