

INTRODUCING

Unsealed Interconnection System

Flexible Unsealed Connectors for Secure Vehicle Solutions

- Enable design flexibility with product offering 1 to 36 positions with a broad range of unsealed, rugged and flexible connectors
- Offer additional security with flame retardant V-0 material options (18P monoblock connector and one position 90° unsealed connector using PCON 12 terminals)



To fulfill the varied need for connectors in Industrial and Commercial transportation market, TE Connectivity (TE) has developed the Unsealed Interconnection System which is an ideal solution for customers in search of unsealed, rugged and flexible connectors that are specially designed for in-cabin, bulkhead and control unit applications of on-road and off-road vehicles.

Adopting TE's field-proven AMP MCP 1.5K, 2.8 & 9.5 contacts and - the newest addition - the PCON 12 terminals, this series ensures complete flexibility with the option to choose between 1-36 position connectors. Featuring flame retardant UL94 V-0 material alternatives, wire sizes of up to 16 mm², and a reduced mating force of the 18 positions monoblock connector, these products can be used at cabin level vibration as well as for high power applications - providing the ultimate safety and reliability, alongside overall cost-effectiveness.

TARGET MARKETS

- Truck
- Bus
- Agriculture
- Construction
- ATV/UTV

APPLICATIONS

- In-Cabin
- Bulkhead
- Control Unit
- Fuse & Relay Box
- Wire-to-Wire

KEY BENEFITS

- Enable design flexibility with product offering 1 to 36 positions with a broad range of unsealed, rugged and flexible connectors
- Offer additional security with flame retardant V-0 material options (18P monoblock connector and one position 90° unsealed connector using PCON 12 terminals)
- Facilitate contact alignment with integrated and separate secondary locking features
- Help prevent mismatch with up to 6-polarization and color key mating configurations available.
- Reduce mating force below 75N with new lever design of the 18P monoblock connector
- Ensure long term use with vibration resistance at cabin level

UNSEALED INTERCONNECTION SYSTEM OVERVIEW

1P 90° Connector Using PCON 12 Terminals



1 Positions
1 * PCON 12

AMP MCP 9.5 2P Connectors



2 Positions
2 * 9.5

AMP MCP 2.8 Connectors



3 Positions
3 * 2.8



6 Positions
6 * 2.8



9 Positions
9 * 2.8



12 Positions
12 * 2.8



15 Positions
15 * 2.8



18 Positions
18 * 2.8



21 Positions
21 * 2.8

AMP MCP 2.8 18P Monoblock Connectors



18 Positions
18 * 2.8

AMP MCP 1.5K+2.8 Connectors



25 Positions
18 * 1.5K + 7 * 2.8

AMP MCP 1.5K Connectors



36 Positions
36 * 1.5K

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