

# INTRODUCING MCON INTERCONNECTION SYSTEM

- Clean body and locking lance design to withstand heat, moisture and vibration in today's automotive and commercial vehicle engines
- Includes 48V ready solutions as well as unsealed and sealed connectors for high heat engine applications up to 150°C and up to 180°C with innovative surface technology



The MCON connector system is specifically designed for electrical and electronic applications for passenger cars and commercial vehicles. Suitable for tab sizes of 1.2 mm x 0.6 mm, the MCON 1.2 family is a compact connector system for signal, low and high power (up to 179 Amps) and is highly suited to exterior vehicle applications. Its two-piece terminal design, separating the electrical and mechanical contact, is designed to maximize performance in high-vibration environments. Its sealed receptacle and tab housings offer IPx9k waterproofing as well as level 4 vibration resistance (validated against strictest automotive standards such as LV214 and USCAR), making it highly suitable for exterior chassis mounted applications.

## TARGET MARKETS

- Automotive
- Industrial and Commercial Transportation
- Aerospace

## APPLICATIONS

- Body and Chassis
- Infotainment and Interior
- HVAC
- Powertrain
- Safety
- 48V Applications

## KEY BENEFITS

- Multiple contact points for high vibration capability and reliability and security
- Overstress protection of contact springs
- 2-piece clean body and locking lance contacts and 1-piece clean body mono contact
- High performance copper alloy for sustained performance throughout lifetime
- Excellent design to avoid quality problems, while reducing manufacturing and service cost

- Contact box with polarization and secondary locking for additional level of security and support
- Sealed and unsealed versions
- Connector Position Assurance (CPA) capability
- Dress covers to protect wiring from exposed elements, damage and strain relief
- Ready for 48V architectures

## LEARN MORE

- [Landing Page](#)
- [Catalog](#)
- [Whitepaper: The New MCON 8 Interconnection System for Current Requirements of Vehicle Electrification](#)
- [Configurator](#)
- [Brochure: MCON 1.2 2-Row Connectors](#)
- [Brochure: Connector Portfolio for Signal and Power](#)
- [Signal and Power Header Portfolio](#)
- [Signal and Power Terminal Portfolio](#)