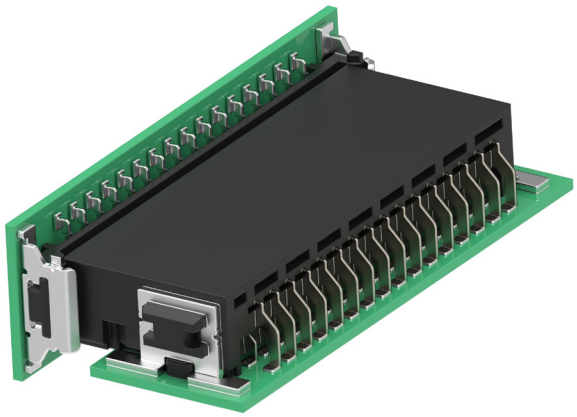
INTRODUCING

AMP SMC ESSENTIAL CONNECTOR

- **Current carrying capability of up to 1.7A/pin**
- **According to Shock & vibration according to IEC 60603 Class 2**



TE Connectivity's AMP SMC essential connector is a performance-optimized solution for cost-sensitive applications. This board-to-board and board-to-wire connector is an extended offering for the 1.27mm pitch portfolio. Robustness and reliable signal performance are ensured through features such as solder clips, high-temperature resistance, polarization, and dual-beam female contacts — aligned with essential requirements for mating cycles and shock-and-vibration resistance. Design flexibility is given by different available configurations such as orientation, height, pin-count.

BENEFITS

- Usable in high temperature environment
- Small connector - can be translated as space saving? with high current carrying capability
- Reduced performance which comes along with a price reduction

FEATURES

- Temperature resistance up to 125°C
- Current carrying capability of up to 1.7A/pin
- According to Shock & vibration according to IEC 60603 Class 2
- Durable for 100 mating cycles
- Resistant against 2 gases acc. IEC 60512-11-7

APPLICATIONS

- Motion & Drives
- Automation Controls
- Automation Sensors
- Robotics Warehouse & Automation
- Netwroking Devices

ELECTRICAL

- Voltage rating: 25 VDC
- Current carrying capability: up to xxx A/pin @ 80°C
- Operating temperature: -40...125°C

MECHANICAL

- Durability: 100 mating cycles (IEC 60603)
- Performance category Shock & vibration: IEC 60603-2 class 2
- Atmosphere gas resistance: 2 gases per IEC 60512-11-7 (SO_2 and H_2S)

MATERIALS

- Housing: LCP
- Contact: copper alloy
- Contact plating (termianl area): Sn over Ni
- Contact plating (mating area): Au flash over PdNi
- Packaging material: tape and reel with cap

STANDARDS

- RoHs
- REACH
- UL

STANDARDS

- TE product specification: 108-161899

LEARN MORE

- AMP SMC Wire to Board Connectors model display page
- AMP SMC PCB Connectors model display page
- AMP SMC essential flyer
- AMP SMC essential e-card partlist
- AMP SMC essential images

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