

COMPACT SURFACE MOUNT PCB HEADERS

SAVE SPACE AND IMPROVE MANUFACTURING EFFICIENCY

PRODUCT DESCRIPTION

TE Connectivity (TE) offers compact wire-to-board surface mount (SMT) connectors for space constrained power and signal applications. As compared to traditional through hole (T/H) printed circuit board (PCB) headers, SMT headers offer fewer manufacturing steps, reduced risk of solder bridging, a more automatable assembly process, and lower mating height. SMT connectors can eliminate the need to drill connector mounting holes in the PCB, reducing the risk of connection failure due to solder bridging – a common challenge when processing $\leq 3.00\text{mm}$ centerline T/H connectors. Likewise, it is easier to process these headers with automated equipment and TE's SMT connectors feature an optional pick-and-place pad for reliable placement during automatic assembly. These headers are ideal for use in small spaces, as the low-profile design and the elimination of through hole pins results in a lower mating height than comparable T/H options. SMT connectors are commonly used across industries requiring wire-to-board connections in tight spaces, including applications featuring PCBs for small accessories, user interfaces (UI), and Wi-Fi.

APPLICATIONS



Small Home Appliances



Environmental Controls



Lighting



Security and Alarm Systems



Consumer Electronics

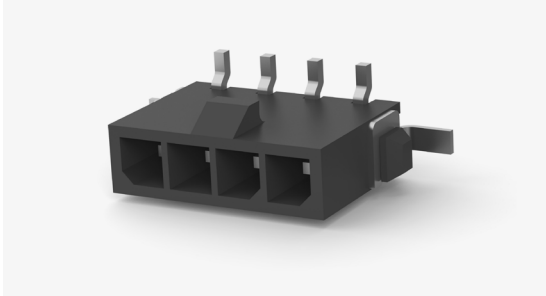


Data and Networking



Automation Controls

COMPACT SURFACE MOUNT PCB HEADERS



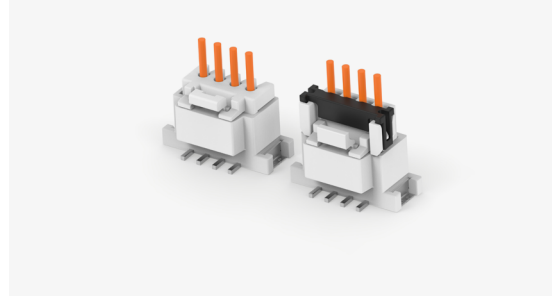
MICRO MATE-N-LOK CONNECTORS

PRODUCT FEATURES

- 3 mm pitch accepting 30-18 AWG wires
- Maximum 5A and 250 VAC
- Available in low profile design (<4.7mm)
- UL 94 V-0, UL 94 V-2, and glow wire tested (GWT*) materials available
- UL, CSA and VDE approved

ADDITIONAL INFORMATION

- [Webpage](#)
- [Quick Reference Guide](#)
- Product Specification: [108-1836](#)
- Application Specification: [114-13000](#)



SIGNAL GRACE INERTIA 2.0 CONNECTORS

PRODUCT FEATURES

- 2 mm pitch accepting 28-22 AWG wires
- Maximum 3A and 50 VAC
- Crimp or insulation displacement contact (IDC)
- Anti-snag feature to prevent latch breakage
- Meets UL 94 V-0 and glow wire test (GWT*) standards
- UL and VDE approved

ADDITIONAL INFORMATION

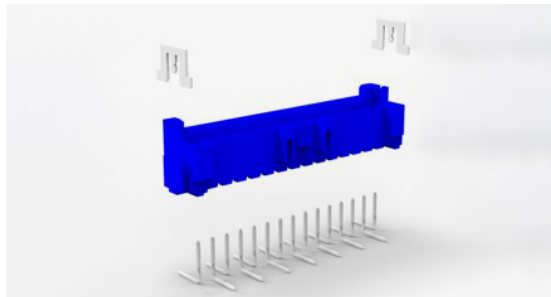
- [Webpage](#)
- [Brochure](#)
- Product Specification
 - [108-143160](#) (Crimp) / [108-106266](#) (IDC)
- Application Specification:
 - [114-143160](#) (Crimp) / [114-106266](#) (IDC)

*For more information on glow wire testing please review the white paper [Glow Wire Testing for the Appliance Industry](#) or visit the [Glow Wire Capable Connectors](#) product page.

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NEW PRODUCT DEVELOPMENT

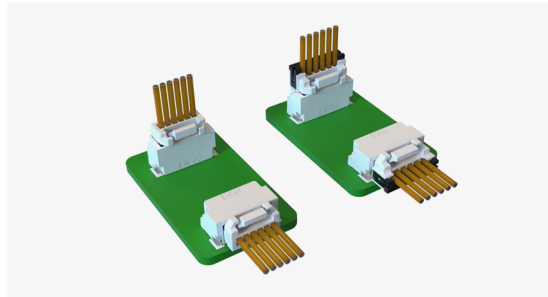
TE is continuing to expand its compact SMT header portfolio with these upcoming product launches.



ECONOMY POWER 2.5 SMT CONNECTORS

PRODUCT FEATURES

- 2.5 mm pitch accepting 26-20 AWG
- Maximum 4.2A and 250 VAC
- Anti-snag and polarization features
- GWT and UL 94 V-0 flammability rating



SIGNAL GRACE INERTIA 1.25 & 1.5 SMT CONNECTORS

PRODUCT FEATURES

- 1.25 or 1.5 mm pitch accepting 30-26 AWG
- Maximum 1A and 50 VAC
- Housing with positive locking mechanism
- GWT, NF, and UL 94 V-0 flammability rating

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