Design World

ERNI USA
Connector Solutions

ACT.
CONNECT.
PERFECT.

Industry's highest current density WTB connector – MaxiBridge

ERNI's dual row MaxiBridge™ wire-to-board connector system is designed for applications that require maximum power and reliability in a small package. The connector delivers a current carrying capacity of up to 12A per contact on a 2.54mm grid for heavy-duty and space-saving connections. A dual latch configuration ensures ruggedness and reliability in high-vibration applications, without compromising valuable board space. The MaxiBridge™ connector system is mechanically and visually keyed via polarization features and 5 different colors for ease of integration, to include a white housing for LED lighting preferences. This high reliability offering is ideal for high-current, ruggedized applications including automotive LED lighting, industrial, medical, networking and transportation.

Automotive Applications

Industrial Applications

MaxiBridge Product Info

High power wire-to-board connectors

ERNI's offers a broad range of Power solutions in cost-effective sizes depending on the application. ERNI Power Taps connectors support up to 40A. The 2.54mm Power Taps enable efficient wire-to-board connections and provide a gas-tight interface to the PCB eliminating the need for high temperature soldering. Available in pressfit or dip solder terminations, the two row connectors are offered in 6-pin or 10-pin configurations.

Power Taps Product Info

Power Taps Catalog

More demanding requirements can be realized with ERNI's PowerElements, offering high-current (up to 360A), high-temperature (up to 135C) ratings for cable and power distribution applications requiring high-power and high-reliability. Designed for a wide range of applications including vehicle electrical systems, power distribution assemblies, buss-bars, and more. The PowerElements address design (application) and process (assembly) challenges by offering press-fit, solder and SMT termination options.

Power Elements Product Info

Power Elements Catalog