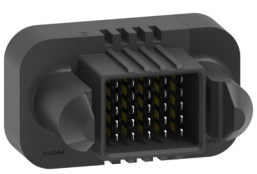
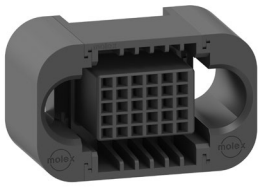
DATASHEET

EXTreme Ten60 High-Power Connectors ›

Designed for configurable power connections with flexibility for voltage creepage and clearance requirements, EXTreme Ten60 High-Power Connectors offer custom connector layouts and standard blade options to streamline designs in various applications.





ADVANTAGES AND FEATURES

Helps align connectors for better gatherability

Top and side guides help prevent contact damage by reducing the insertion force and the risk of misalignment.

Enhances design flexibility

These connectors are configurable with a dovetail design, allowing for replacements or upgrades without rebuilding the entire assembly; vertical plugs free up PCB space to overcome design limitations due to tight space constraints; press-fit or solder tail options allow multiple styles of PCB mounting to accommodate various designs.

Enhances system airflow for optimum cooling

A low-profile design (10.00mm) promotes more direct airflow to avoid overheating.

Pitch	2.00 to 8.00mm
Current	94.0A
Voltage (max.)	250V-5.50mm Pitch 600V-7.50mm Pitch
Operating Temperatures	-40 to +105°C

Facilitates PCB routing flexibility from 30.0 to 94.0A per blade

Split-power blades allow for multiple routing options to help overcome mechanical constraints and prevent trace crossover.

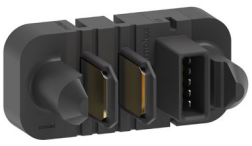
Enables high plugging and FMLB in both power and signal

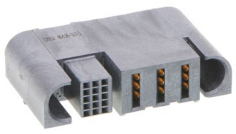
Multiple blade and signal lengths help manage force distribution to avoid PCB and connector damage.

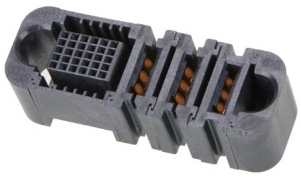
Improves PCB alignment and retention

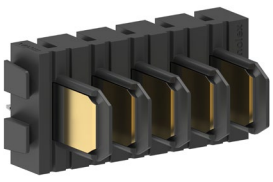
PCB polarizing pegs guide the PCB for precise alignment and provide a secure connection reducing assembly errors and misalignment of connectors.



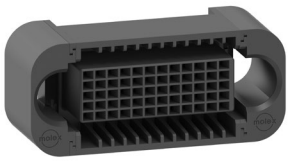














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EXTreme Ten60 High-Power Connectors ›

MARKETS AND APPLICATIONS

Charging Infrastructure
Charging stations
E-bike batteries
Garage chargers
Generators
Power walls (home batteries)

Electrical and Power
Generators
High-voltage power tool batteries
LED lighting devices
Power distribution systems
Smart LED screens
Solar batteries

Home Energy Storage
Converters
Inverters
Power distribution systems

Industrial Automation
Industrial controls

Power for Data Center
1U rack boxes
Backplanes
Power supplies
Rack servers
Routers and switches
Servers

Telecommunications
Cellular base stations
Hubs
Power supplies
Routers
Switches
Test equipment
Workstations



Removable Power Supply



High Speed Servers



Electric Vehicle Charging



High Lumen LED Lights

SPECIFICATIONS

Reference Information
UL File No.: E29719
CSA File No.: LR-19980_A_ Class 6233-81
CSA tested to UL-1977 and
CSA C22.2 No. 182.3-M1987
Mates With: 46437—with both 46436 and 46562
Mates With: 171088—with both 171089 and 171090
Use With: N/A
Terminal Used: Gold plated
Designed In: Millimeters
RoHS: Yes
Halogen Free: No
Glow Wire Capable: No

Electrical
Voltage (max.): 250, 600V
Current (max.): 30.0 to 94.0A
Dielectric Withstanding Voltage: 250, 600V
Insulation Resistance: 5000 milliohms

Mechanical
Connector-to-connector
  Mating Force (max.) 764g/circuit
  Unmating Force (min.) 316g/circuit
Durability (min.): 200 cycles

Physical
Housing: 30% glass filled LCP or PBT
Contact: Copper alloy
Plating: Select gold
  Contact Area—select gold
  Solder Tail Area—tin
  Underplating—nickel
PCB Thickness: .062", .093", 1.60mm+
Operating Temperatures: -40 to +105° C

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