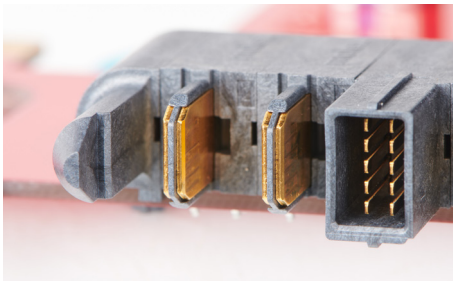
DATASHEET

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



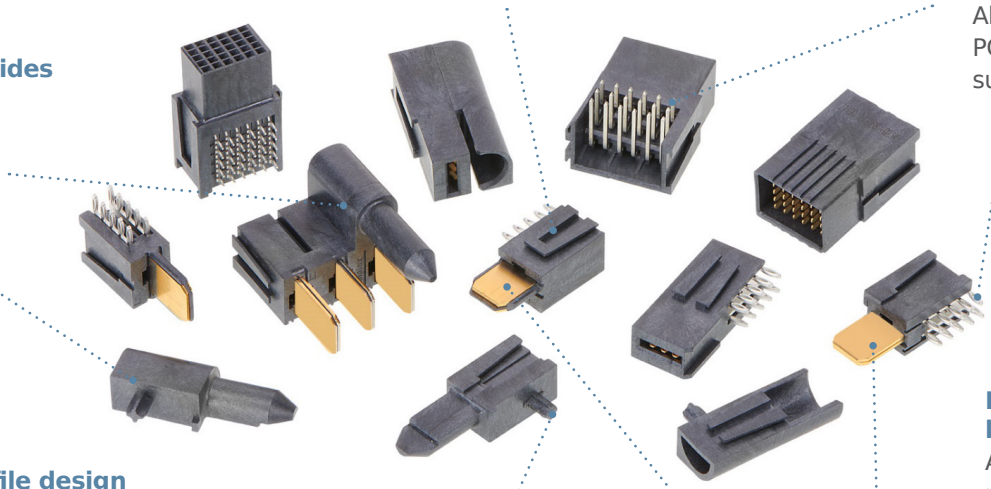
EXTreme Ten60 Power Connectors

FEATURES AND ADVANTAGES

Configurable with dovetail design
Allows for excellent design flexibility

Press fit or solder tail
Allows multiple styles of PCB mounting to better suit different designs

Top or side guides
Help direct connectors for better gatherability



Blade and signal length options
Allow for high plugging and FMLB in both power and signal

Low-profile design (10.00mm)
Enhances system airflow for optimum cooling

PCB polarizing pegs
Improve PCB alignment and retention

Split-power or standard blades
Enable PCB routing flexibility from 30.0 to 95.0A per blade

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MARKETS AND APPLICATIONS

Data Communications
Servers
Power supplies
Rack servers

Telecommunications
Hubs
Cellular base stations
Switches
Routers
Power supplies

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

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

High-Voltage Electric Consumer Tools

Removable Power Supply

High Speed Servers

Electric Vehicle Charging Stations

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 or Inches)-mm
RoHS: Yes
Halogen Free: No
Glow Wire Capable: No

ELECTRICAL
Voltage (max.): 600V, 250V
Current (max.): 30.0 to 95.0A
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 5000 milliohms

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

PHYSICAL
Housing: 30% glass filled LCP or PBT
Contact: Copper (Cu) Alloy
Plating: Select Gold (Au)
Contact Area—Select Gold (Au)
Solder Tail Area—Tin (Sn)
Underplating—Nickel (Ni)
PCB Thickness: .062", .093", 1.60mm+
Operating Temperatures: -40 to +105 C

www.molex.com/link/extremeten60connectors.html

Order No. 987652-4821 Rev. 1 USA/0k/GF/2022.04