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**Part Number:** [171089-0024](#)  
**Status:** **Active**  
**Overview:** [EXTreme Ten60Power™ High-Current Connector](#)  
**Description:** EXTreme Ten60Power™ Board-to-Board Vertical Receptacle Assembly with Guide Pins, 40 Signal Circuits, 12 Power Circuits

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-46436-100 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Receptacles  
 Series [171089](#)  
 Application Board-to-Board, Power, Signal  
 Overview [EXTreme Ten60Power™ High-Current Connector](#)  
 Product Name EXTreme Ten60Power™  
 UPC 887191314488

**Physical**

Circuits (Loaded) 62  
 Circuits (maximum) 62  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Keying to Mating Part None  
 Lock to Mating Part No  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 33.190/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.58mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.00mm, 5.50mm, 7.50mm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 2.5A, 60A  
 Voltage - Maximum 600V

**Material Info**

**Reference - Drawing Numbers**

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[171089Series](#)

**Mates With**

[171088](#) Board-to-Board Header

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