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**Part Number:** [171088-1000](#)  
**Status:** **Active**  
**Overview:** [EXTreme Ten60Power™ High-Current Connector](#)  
**Description:** [EXTreme Ten60Power™ Board-to-Board Right-Angle Plug Assembly with Guide Pins, 25 Signal Circuits, 5 Power Circuits](#)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-46436-100 (PDF)</a>
<a href="#">Product Specification PS-171088-0000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL	E29179
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**General**

Product Family	PCB Headers
Series	<a href="#">171088</a>
Application	Board-to-Board, Power, Signal
Overview	<a href="#">EXTreme Ten60Power™ High-Current Connector</a>
Product Name	EXTreme Ten60Power™
UPC	887191567235

**Physical**

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	No
Mated Height	18.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	26.448/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	2.84mm
PCB Locator	Yes
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
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

**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**

[171088Series](#)

**Mates With**

[171089](#) Vertical Receptacle, [171090](#) right-Angle Receptacle

Current - Maximum per Contact 2.5A, 60A

### **Solder Process Data**

Duration at Max. Process Temperature (seconds) 40  
Lead-free Process Capability SMC & Wave Capable (TH only)  
Max. Cycles at Max. Process Temperature 3  
Process Temperature max. C 260

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification PS-171088-0000, PS-46436-100  
Sales Drawing SD-171088-1000, SD-171089-1000

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