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**Part Number:** [1720451001](#)  
**Status:** **Active**  
**Overview:** EXTreme OrthoPower® Orthogonal Direct-Power Connector System  
**Description:** EXTreme OrthoPower™ Orthogonal Plug 2 Blade, PC Tail Length 3.26mm

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [172045](#)  
 Application Power  
 Overview [EXTreme OrthoPower® Orthogonal Direct-Power Connector System](#)  
 Product Name EXTreme OrthoPower™  
 UPC 887191431000

**Physical**

Breakaway No  
 Circuits (Loaded) 2  
 Circuits (maximum) 2  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold over Nickel  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 4.538/g  
 Number of Rows 2  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness - Recommended 1.58mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.50mm  
 Pitch - Termination Interface 2.50mm  
 Plating min - Mating 0.762µm  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

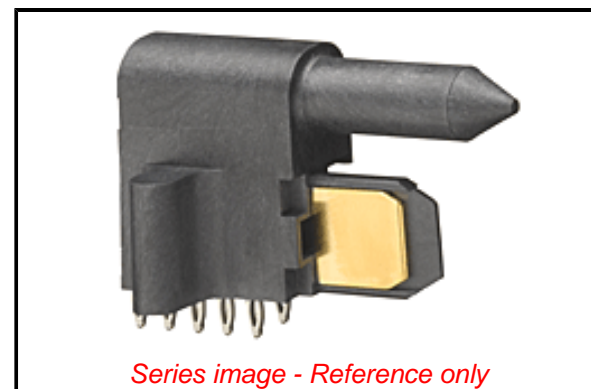
Current - Maximum per Contact 30.0A  
 Voltage - Maximum 250V AC (RMS)/DC

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

**Reference - Drawing Numbers**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[172045](#) Series

**Mates With**

[172047](#) EXTreme OrthoPower™ Orthogonal  
 Receptacle

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