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**Part Number:** [45984-4912](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower™](#)  
**Description:** EXTreme LPHPower™ Receptacle Header, Right Angle, 4 Power Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board with Guide

**Documents:**

[3D Model](#) [Product Specification PS-45984-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [45984](#)  
 Application Board-to-Board, Power  
 Comments 4 Power Blades  
 Overview [EXTreme LPHPower™](#)  
 Product Name EXTreme LPHPower™  
 UPC 800756651194

**Physical**

(p)ower-(s)ignal Configuration 4p - 0s  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Lock to Mating Part No  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 5.801/g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 4.50mm  
 PCB Locator No  
 PCB Retention None  
 Packaging Type Tray  
 Pitch - Mating Interface 12.00mm  
 Pitch - Termination Interface 2.00mm, 2.50mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 3.810µm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

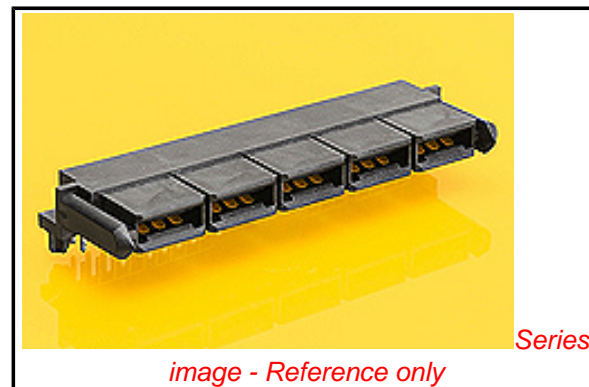


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Series

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**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**

[45984Series](#)

**Mates With**

[45985](#) EXTreme LPHPower™ Headers

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 30A     |
| Grounding to PCB              | No      |
| Voltage - Maximum             | 250V AC |

**Solder Process Data**

|  |                              |
|--|------------------------------|
| Duration at Max. Process Temperature (seconds) | 15                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                            |
| Process Temperature max. C                     | 230                          |

**Material Info****Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-45984-001 |
| Sales Drawing         | SD-45984-102 |

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