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**Part Number:** [0459841462](#)

**Status:** **Active**

**Overview:** EXTreme LPHPower™ Connectors

**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 10 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts, with Press-fit Plastic Pegs

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Packaging Specification PK-45984-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

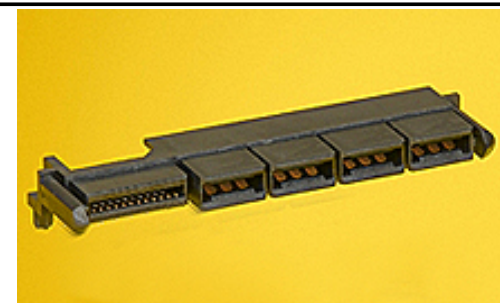
Product Family PCB Receptacles  
Series 45984  
Application Board-to-Board, Power  
Overview EXTreme LPHPower™ Connectors  
Product Name EXTreme LPHPower™  
UPC 822350661812

**Physical**

(p)ower-(s)ignal Configuration 10p - 32s  
Circuits (Loaded) 42  
Circuits (maximum) 42  
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 15.694/g  
Number of Rows 2  
Orientation Right Angle  
PC Tail Length 3.60mm  
PCB Locator Yes  
PCB Retention Yes  
Packaging Type Tray  
Pitch - Mating Interface 1.27mm, 12.00mm  
Plating min - Mating 0.762µm  
Plating min - Termination 3.810µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Stackable No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 20.0A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**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  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[45984](#) Series

**Mates With**

[45985](#) EXTreme LPHPower™ Headers,  
1.57mm Card Edge

Grounding to PCB	No
Voltage - Maximum	250V AC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	020
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

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

Packaging Specification	PK-45984-001
Sales Drawing	SD-45984-100

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