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Part Number: [0459848143](#)

Status: **Active**

Overview:

Description: 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 8 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 1.57mm (.062") Thick PC Board

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-45984-001 \(PDF\)](#)

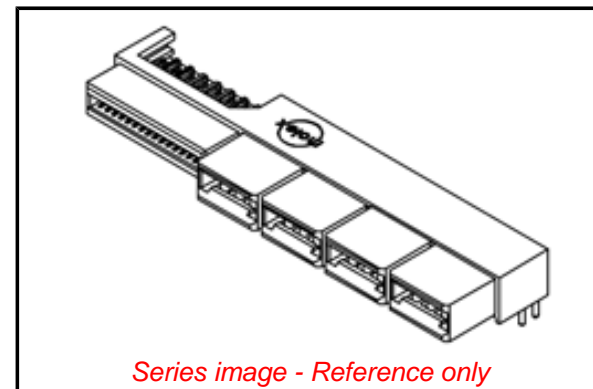
[RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|------------------------|
| Product Family | PCB Receptacles |
| Series | 45984 |
| Application | Board-to-Board |
| Overview | EXTreme LPHPower™#153; |
| Product Name | EXTreme LPHPower™ |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 32 |
| Circuits (maximum) | 32 |
| Circuits Detail | 8 Power, 24 Signal |
| Color - Resin | Black |
| Durability (mating cycles max) | 250 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | Yes |
| Lock to Mating Part | No |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.114 In |
| PC Tail Length (mm) | 2.90 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.57 mm |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.050 In |
| Pitch - Mating Interface (in) | 0.472 In |
| Pitch - Mating Interface (mm) | 1.27 mm |
| Pitch - Mating Interface (mm) | 12.00 mm |
| Plating min: Mating (µin) | 30 |
| Plating min: Mating (µm) | 0.75 |
| Plating min: Termination (µin) | 150 |
| Plating min: Termination (µin) | 75 |
| Plating min: Termination (µm) | 1.875 |
| Plating min: Termination (µm) | 3.75 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |



Series image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

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

| | |
|-------------------------------|------------------------|
| Duration at Max. | 20 |
| Process Temperature (seconds) | |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. | 3 |
| Process Temperature | |
| Process Temperature max. C | 260 |

Search Parts in this Series

[45984 Series](#)

Mates With

[45985](#) EXTreme LPHPower™ Headers, 1.57mm (.062") Card Edge

Termination Interface: Style

Through Hole

Electrical

Current - Maximum

23A

Grounding to PCB

No

Voltage - Maximum

250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification

PS-45984-001

Sales Drawing

SD-45984-800

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