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Part Number: [0459840452](#)
Status: **Active**
Overview: [EXTreme LPHPower™ Connectors](#)
Description: 1.27mm Pitch, EXTreme LPHPower™ Receptacle Header with Guides and Pegs, Right Angle, 28 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board

Documents:

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

Agency Certification

CSA LR19980
UL E29179

General

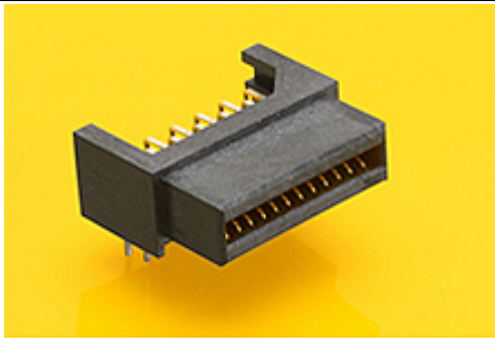
Product Family PCB Receptacles
Series [45984](#)
Application Board-to-Board, Power
Overview [EXTreme LPHPower™ Connectors](#)
Product Name EXTreme LPHPower™
UPC 884982067417

Physical

(p)ower-(s)ignal Configuration 28s - 0p
Circuits (Loaded) 28
Circuits (maximum) 28
Color - Resin Black
Durability (mating cycles max) 250
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part None
Lock to Mating Part No
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold over Nickel
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 3.019/g
Number of Rows 2
Orientation Right Angle
PC Tail Length 3.60mm
PCB Locator No
PCB Retention None
PCB Thickness - Recommended 2.36mm
Packaging Type Tray
Pitch - Mating Interface 1.27mm
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 1.0A



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
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS Green Image
ELV 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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-45984-001
Sales Drawing	SD-45984-483

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