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Part Number: [45984-8442](#)
Status: **Active**
Overview: [EXTreme LPHPower™](#)
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Right Angle, 8 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Posts, with Press-fit Plastic Pegs

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™](#)
Product Name EXTreme LPHPower™

Physical

(p)ower-(s)ignal Configuration 8p - 24s
Circuits (Loaded) 32
Circuits (maximum) 32
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
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 23A
Grounding to PCB No



image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: Yes

China RoHS



4,4'-
Diaminodiphenylmethane
2-Pyrrolidinone, 1-
methyl

Low-Halogen Status
Not Reviewed

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

Email 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,
1.57mm Card Edge

Voltage - Maximum	250V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260
Material Info	
UPC	822350775885
Reference - Drawing Numbers	
Product Specification	PS-45984-001
Sales Drawing	SD-45984-800

This document was generated on 06/19/2012

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