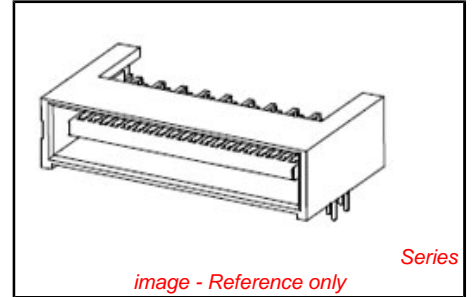


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Part Number: [0459854412](#)
Status: **Active**
Overview: [extreme_lphpower](#)
Description: 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Header, Right Angle, 4 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 2.36mm (.093") Thick PC Board, with Guide Pockets, 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 Headers
 Series [45985](#)
 Application Board-to-Board, Power
 Overview [extreme_lphpower](#)
 Product Name EXTreme LPHPower™

Physical

(p)ower-(s)ignal Configuration 4p - 12s
 Breakaway No
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 Durability (mating cycles max) 250
 First Mate / Last Break Yes
 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
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.60mm (.142")
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.36mm (.093")
 Packaging Type Tray
 Pitch - Mating Interface 1.27mm (.050"), 12.00mm (.472")
 Plating min - Mating 0.762µm (30µ")
 Plating min - Termination 3.810µm (150µ")
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Shrouded Fully
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole

| | |
|--|--|
| <p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Low-Halogen Status Low-Halogen</p> | <p>China RoHS</p>  |
|--|--|

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
[45985Series](#)

Mates With
[45984 EXTreme LPHPower™ PCB Receptacles](#)

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 30A |
| 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**Reference - Drawing Numbers**

| | |
|-----------------------|--------------|
| Product Specification | PS-45984-001 |
| Sales Drawing | SD-45985-400 |

This document was generated on 03/02/2011

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