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Part Number: [0459851462](#)
Status: **Active**
Overview: EXTreme LPHPower™ Connectors
Description: EXTreme LPH Power™ Header, Right Angle, 10 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

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

Agency Certification

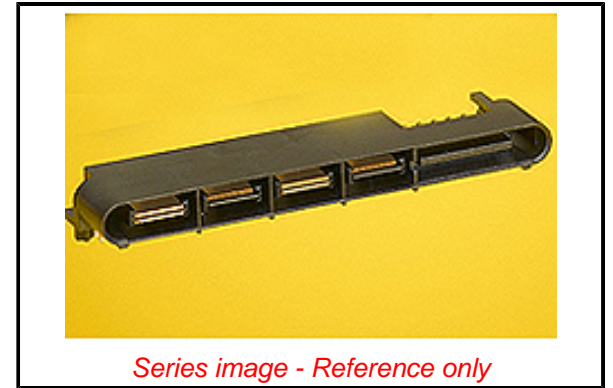
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [45985](#)
 Application Board-to-Board, Power
 Overview [EXTreme LPHPower™ Connectors](#)
 Product Name EXTreme LPHPower™
 UPC 822350661829

Physical

(p)ower-(s)ignal Configuration 10p - 32s
 Breakaway No
 Circuits (Loaded) 42
 Circuits (maximum) 42
 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
 Net Weight 13.724/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 3.60mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.36mm
 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
 Shrouded Fully
 Stackable No
 Surface Mount Compatible (SMC) Yes



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

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Contained

Search Parts in this Series

[45985 Series](#)

Mates With

[45984 EXTreme LPHPower™ PCB
 Receptacles](#)

| | |
|--|------------------|
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |
| Electrical | |
| Current - Maximum per Contact | 20.0A |
| Voltage - Maximum | 250V AC (RMS)/DC |
| 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 |
| Product Specification | PS-45984-001-001 |
| Sales Drawing | SD-45985-100 |

This document was generated on 02/09/2017

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