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Part Number: [0459851173](#)
Status: **Active**
Overview: EXTreme LPHPower™ Connectors
Description: EXTreme LPH Power™ Header, Right Angle, 10 Power Contacts, 36 Signal Contacts, Select Gold (Au) Plating, for 1.57mm 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 Headers
 Series 45985
 Application Board-to-Board, Power
 Overview EXTreme LPHPower™ Connectors
 Product Name EXTreme LPHPower™
 UPC 822350776226

Physical

(p)ower-(s)ignal Configuration 10p - 36s
 Breakaway No
 Circuits (Loaded) 46
 Circuits (maximum) 46
 Color - Resin Black
 Durability (mating cycles max) 250
 First Mate / Last Break Yes
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part No
 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 13.366/g
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length 2.90mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.57mm
 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
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

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

ELV

Green Image

Not Relevant

Search Parts in this Series

[45985 Series](#)

Mates With

[45984 EXTreme LPHPower™ PCB Receptacles](#)

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**

Product Specification	PS-45984-001
Sales Drawing	SD-45985-100

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