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Part Number: [45985-1182](#)
Status: **Active**
Overview: EXTreme LPHPower™
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Header, Right Angle, 10 Power Contacts, 40 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
TUV 30683046
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 10p - 40s
Breakaway No
Circuits (Loaded) 50
Circuits (maximum) 50
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
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, 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

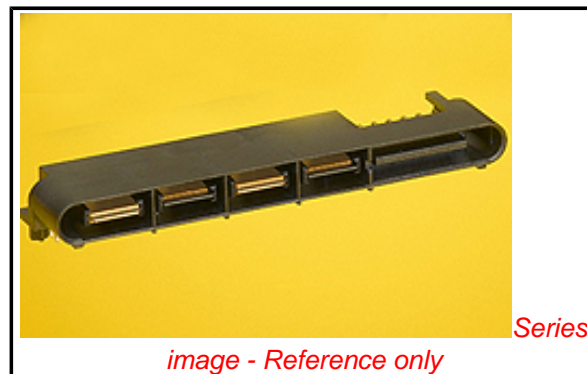


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Reviewed

China RoHS



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	20A
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	822350776240
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Reference - Drawing Numbers

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

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