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Part Number: 0459858333

Status: Active

Overview: EXTreme LPHPower™ Connectors

Description: EXTreme LPH Power™ Header, Right Angle, 8 Power Contacts, 20 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, 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™ Connectors

Product Name EXTreme LPHPower™

UPC 822350779395

Physical

(p)ower-(s)ignal Configuration 8p - 20s

Breakaway No

Circuits (Loaded) 28

Circuits (maximum) 28

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 10.682/g

Number of Rows 2

Orientation Right Angle

PC Tail Length 2.90mm

PCB Locator Yes

PCB Retention Yes

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

China RoHS

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	23.0A
Voltage - Maximum	250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	020
Lead-freeProcess 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-45985-800

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