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Part Number:

0459858443

Status:

Active

Overview:

EXTreme LPHPower™ Connectors

Description:

EXTreme LPH Power™ Header, Right Angle, 8 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45984-001 (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

822350779661

Physical

(p)ower-(s)ignal Configuration

8p - 24s

Breakaway

No

Circuits (Loaded)

32

Circuits (maximum)

32

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

11.295/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



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

Termination Interface: Style	Through Hole
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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