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Part Number:

0459851331

Status:

Active

Overview:

EXTreme LPHPower™ Connectors

Description:

EXTreme LPH Power™ Header, Right Angle, 10 Power Contacts, 20 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, 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

Series

Application

Overview

Product Name

UPC

PCB Headers

45985

Board-to-Board, Power

EXTreme LPHPower™ Connectors

EXTreme LPHPower™

822350776554

Physical

(p)ower-(s)ignal Configuration

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

PCB Thickness - Recommended

Packaging Type

Pitch - Mating Interface

Plating min - Mating

Plating min - Termination

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

10p - 20s

No

30

30

Black

250

Yes

94V-0

No

No

None

No

High Performance Alloy (HPA)

Gold

Tin

High Temperature Thermoplastic

12.856/g

2

Right Angle

4.50mm

Yes

Yes

3.18mm

Tray

1.27mm, 12.00mm

0.762µm

3.810µm

Yes

Yes

Fully

No

Yes

-40°C to +105°C

Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2015 June 15): 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-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-45985-100

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