

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459858121

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 8 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board

Documents:

- 3D Model

Packaging Specification PK-45984-001-001 (PDF)
- 3D Model (PDF)

Symbol Footprint Data SYM-45985-8121-001 (PDF)
- Drawing (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-45984-001-001 (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

822350778879

Physical

(p)ower-(s)ignal Configuration

8p - 16s

Breakaway

No

Circuits (Loaded)

24

Circuits (maximum)

24

Color - Resin

Black

Durability (mating cycles max)

250

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Capable

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

10.167/g

Number of Rows

2

Orientation

Right Angle

PC Tail Length

4.50mm

PCB Locator

No

PCB Retention

None

PCB Thickness - Recommended

3.18mm

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

45985 Series

Mates With

45984 EXTreme LPHPower PCB
Receptacles

Temperature Range - Operating	-40° to +105°C
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	
Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-800-001
Symbol/Footprint Data	SYM-45985-8121-001

This document was generated on 01/11/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[45985-8121](#)