

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459856911

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 6 Power 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-45985-6911-001 (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

Comments

6 Power Blades

Overview

EXTreme LPHPower Connectors

Product Name

EXTreme LPHPower

Taxonomy

Board-to-Board Connectors

UPC

800756720487

Physical

(p)ower-(s)ignal Configuration

6p - 0s

Breakaway

No

Circuits (Loaded)

6

Circuits (maximum)

6

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

6.476/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

12.00mm

Pitch - Termination Interface

2.00mm, 2.50mm

Plating min - Mating

0.762µm

Plating min - Termination

3.810µm

Polarized to Mating Part

Yes

Polarized to PCB

No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	27.0A
Voltage - Maximum	250V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	015
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	230
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-45984-001-001
Product Specification	PS-45984-001-001
Sales Drawing	SD-45985-102-001
Symbol/Footprint Data	SYM-45985-6911-001

This document was generated on 09/26/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION