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Part Number:

0459858112

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 8 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board

Documents:

- 3D Model

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

Symbol Footprint Data SYM-45985-8111-001 (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

822350778855

Physical

(p)ower-(s)ignal Configuration

8p - 12s

Breakaway

No

Circuits (Loaded)

20

Circuits (maximum)

20

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

9.920/g

Number of Rows

2

Orientation

Right Angle

PC Tail Length

3.60mm

PCB Locator

No

PCB Retention

None

PCB Thickness - Recommended

2.36mm

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       |
| <b>Electrical</b>                              |                    |
| Current - Maximum per Contact                  | 23.0A              |
| Voltage - Maximum                              | 250V AC (RMS)/DC   |
| <b>Solder Process Data</b>                     |                    |
| Duration at Max. Process Temperature (seconds) | 020                |
| Lead-freeProcess Capability                    | WAVE               |
| Max. Cycles at Max. Process Temperature        | 003                |
| Process Temperature max. C                     | 260                |
| <b>Material Info</b>                           |                    |
| <b>Reference - Drawing Numbers</b>             |                    |
| Packaging Specification                        | PK-45984-001-001   |
| Product Specification                          | PS-45984-001-001   |
| Sales Drawing                                  | SD-45985-800-001   |
| Symbol/Footprint Data                          | SYM-45985-8111-001 |

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