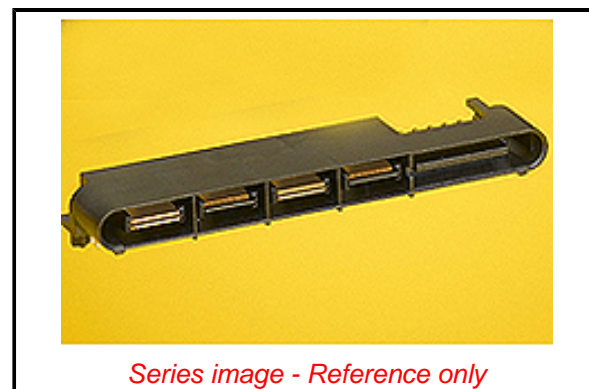


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Part Number: [0459851253](#)
Status: **Active**
Overview: EXTreme LPHPower Connectors
Description: EXTreme LPHPower Header, Right-Angle, 10 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board, with Guide Pockets

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-45984-001-001 (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-45985-1251-001 (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 | 822350776394 |

Physical

| | |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 10p - 28s |
| Breakaway | No |
| Circuits (Loaded) | 38 |
| Circuits (maximum) | 38 |
| Color - Resin | Black |
| Durability (mating cycles max) | 250 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | 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 | 13.429/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 2.90mm |
| PCB Locator | No |
| PCB Retention | None |
| 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 |

EU ELV

Not Relevant

EU RoHS

Compliant

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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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 20.0A
Voltage - Maximum 250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 020
Lead-free Process 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-45985-100-001
Symbol/Footprint Data SYM-45985-1251-001

This document was generated on 02/08/2022

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