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Part Number: [0459856442](#)
Status: **Active**
Overview: [EXTreme LPHPower Connectors](#)
Description: EXTreme LPHPower Header, Right-Angle, 6 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-45984-001-001 (PDF) |
| Drawing (PDF) | Symbol Footprint Data SYM-45985-6441 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-45984-001-001 (PDF) | |

Agency Certification

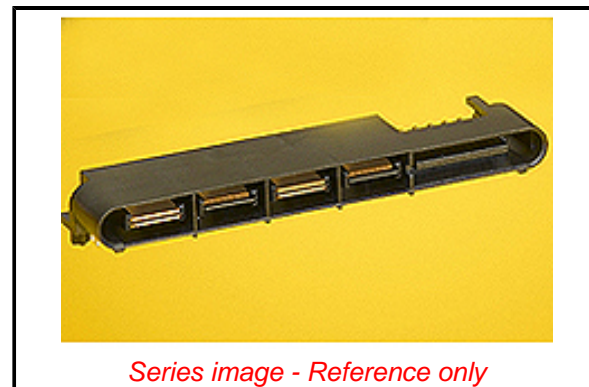
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 45985 |
| Application | Board-to-Board, Power |
| Overview | EXTreme LPHPower Connectors |
| Product Name | EXTreme LPHPower |
| UPC | 822350778718 |

Physical

| | |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 6p - 24s |
| Breakaway | No |
| Circuits (Loaded) | 30 |
| Circuits (maximum) | 30 |
| 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 | 8.891/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 3.60mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| 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 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

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](#)

| | |
|--|------------------|
| 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) | 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-45985-600 |
| Symbol/Footprint Data | SYM-45985-6441 |

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