

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459854361

Status:

Active

Overview:

EXTreme LPHPower Connectors

Description:

EXTreme LPHPower Header, Right-Angle, 4 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board, with Press-fit Plastic Pegs

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45984-001-001 (PDF)

RoHS Certificate of Compliance (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                            | 822350777575                   |
| Physical                       |                                |
| (p)ower-(s)ignal Configuration | 4p - 32s                       |
| Breakaway                      | No                             |
| Circuits (Loaded)              | 36                             |
| Circuits (maximum)             | 36                             |
| 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                     | 7.084/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 4.50mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| 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                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Green Image

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

Halogen-Free Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

45985 Series

Mates With

45984 EXTreme LPHPower PCB Receptacles

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 30.0A            |
| 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**

|                       |                  |
|-----------------------|------------------|
| Product Specification | PS-45984-001-001 |
| Sales Drawing         | SD-45985-400     |

This document was generated on 10/24/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**