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**Part Number:** [0459858462](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower Connectors](#)  
**Description:** EXTreme LPHPower Header, Right-Angle, 8 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, for 2.36mm Thick PC Board, with Guide Pockets, with Press-fit Plastic Pegs

**Documents:**

|                                                              |                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-45984-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Symbol Footprint Data SYM-45985-8461-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-45984-001-001 (PDF)</a> |                                                                |

**Agency Certification**

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

**General**

|                |                                             |
|----------------|---------------------------------------------|
| Product Family | PCB Headers                                 |
| Series         | <a href="#">45985</a>                       |
| Application    | Board-to-Board, Power                       |
| Overview       | <a href="#">EXTreme LPHPower Connectors</a> |
| Product Name   | EXTreme LPHPower                            |
| UPC            | 822350779715                                |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 8p - 32s                       |
| Breakaway                      | No                             |
| Circuits (Loaded)              | 40                             |
| Circuits (maximum)             | 40                             |
| 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                     | 11.555/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 -  
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

|                                                |                    |
|------------------------------------------------|--------------------|
| Surface Mount Compatible (SMC)                 | Yes                |
| 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-45985-8461-001 |

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