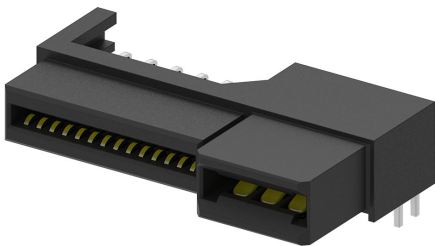




**Part Number :** [459842153](#)  
**Product Description :** EXTreme LPHPower  
Receptacle Header, Right-Angle, 2 Power  
Contacts, 28 Signal Contacts, Select Gold (Au)  
Plating, for 1.57mm Thick PC Board  
**Series Number :** 45984  
**Status :** Active  
**Product Category :** Board-to-Board  
Connectors



## Documents & Resources

**Drawings**  
[459842153\\_sd.pdf](#)  
[PK-45984-001-001.pdf](#)

**Specifications**  
[PS-45984-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                     |
| Category       | Board-to-Board Connectors                                                                                                                  |
| Series         | 45984                                                                                                                                      |
| Description    | EXTreme LPHPower Receptacle Header, Right-Angle, 2 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, for 1.57mm Thick PC Board |
| Application    | Board-to-Board, Power, Signal                                                                                                              |
| Component Type | PCB Receptacle                                                                                                                             |
| Product Family | EXTreme LPHPower Connectors                                                                                                                |
| Product Name   | EXTreme LPHPower                                                                                                                           |
| UPC            | 195842345300                                                                                                                               |

#### Electrical

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Current - Maximum per Contact | 30.0A                                     |
| Grounding to PCB              | No                                        |
| Voltage - Maximum             | 250V AC (RMS)/DC (Power), 30V DC (Signal) |

#### Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 30           |
| Circuits (maximum)             | 30           |
| Color - Resin                  | Black        |
| Durability (mating cycles max) | 250          |
| Glow-Wire Capable              | No           |
| Guide to Mating Part           | No           |
| Keying to Mating Part          | None         |
| Lock to Mating Part            | No           |
| Material - Metal               | Copper Alloy |
| Material - Plating Mating      | Gold         |

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 4.797/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PC Tail Length                 | 2.90mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.57mm                         |
| Pitch - Mating Interface       | 12.00mm, 1.27mm                |
| Pitch - Termination Interface  | 2.00mm, 2.50mm, 1.27mm         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 3.810µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| (p)ower-(s)ignal Configuration | 2p - 28s                       |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                        | Part Number      |
|------------------------------------|------------------|
| EXTreme LPHPower Right-Angle Plugs | <u>45985</u>     |
| Mates With                         | 1.57mm Card Edge |