



Part Number : [459848911](#)

Product Description : EXTreme LPHPower Receptacle Header, Right-Angle, 8 Power Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board

Series Number : 45984

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

[Drawing 459848911_sd.pdf](#)

[Packaging Design Drawing PK-45984-001-001.pdf](#)

3D Models and Design Files

[3D Model 459848911_stp.zip](#)


[Symbol Footprint Data SYM-45984-8911-001.zip](#)

Specifications

[Product Specification PS-45984-001-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 47; 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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 45984 |
| Description | EXTreme LPHPower Receptacle Header, Right-Angle, 8 Power Contacts, Select Gold (Au) Plating, for 3.18mm Thick PC Board |
| Application | Board-to-Board, Power |
| Component Type | PCB Receptacle |
| Product Family | EXTreme LPHPower Connectors |
| Product Name | EXTreme LPHPower |
| UPC | 800756650890 |

Agency

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

Electrical

| | |
|-------------------------------|--------------------------|
| Current - Maximum per Contact | 23.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 250V AC (RMS)/DC (Power) |

Physical

| | |
|--------------------------------|-------|
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 250 |
| 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 | 10.110/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PC Tail Length | 4.50mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 3.18mm |
| Pitch - Mating Interface | 12.00mm |
| Pitch - Termination Interface | 2.00mm, 2.50mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 3.810µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| (p)ower-(s)ignal Configuration | 8p - 0s |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|----------|
| Max-Duration | 15 |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle | 3 |
| Max-Temp | 230 |

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 |

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