



Part Number : [461121001](#)

Product Description : 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 10 Power Contact, Select Gold (Au) Plating, without BMI Guides

Series Number : 46112

Status : Active

Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[Drawing 461121001_sd.pdf](#)

[Packaging Design Drawing PK-46114-003-001.pdf](#)

3D Models and Design Files

[3D Model 461121001_stp.zip](#)

[3D Model PDF 461121001.pdf](#)

[Symbol Footprint Data SYM-46112-1001-001.zip](#)


Specifications

[Application Specification AS-46114-001-001.pdf](#)

[Product Specification PS-46114-001-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2023)3788-DC (14 Jun 2023) |
| 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 | 46112 |
| Description | 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 10 Power Contact, Select Gold (Au) Plating, without BMI Guides |
| Application | Board-to-Board, Power |
| Component Type | PCB Receptacle |
| Product Family | EXTreme LPHPower Connectors |
| Product Name | EXTreme LPHPower |
| UPC | 800756885889 |

Agency

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

Electrical

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

Physical

| | |
|--------------------|-------|
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | None |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 9.480/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | None |
| Pitch - Mating Interface | 12.00mm |
| Pitch - Termination Interface | 12.00mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 1.270µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 10p - 0s |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole - Compliant Pin |

Solder Process Data

| | |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
|-------------|-------------|

| | |
|---------------------------------------|--------------|
| EXTreme LPHPower Right-Angle Plugs | <u>45985</u> |
|---------------------------------------|--------------|

This document was generated on Aug 24, 2023