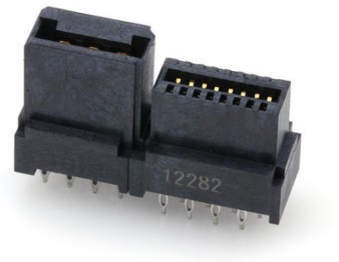
**Part Number :** 461142161
**Product Description :** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 2 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, without BMI Guides
**Series Number :** 46114
**Status :** Active
**Product Category :** Board-to-Board Connectors




## Documents & Resources

### Drawings

461142161_sd.pdf

PK-46114-003-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-46114-2161-001.zip

### Specifications

AS-46114-001-001.pdf

PS-46114-001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |

| | |
|---|---|
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 46114 |
| Description | 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 2 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, without BMI Guides |
| Application | Board-to-Board, Power |
| Comments | Press Fit Pin |
| Component Type | PCB Receptacle |
| Product Name | EXTreme LPHPower |
| UPC | 756054923047 |

### Agency

| | |
|---|---|
| CSA | LR19880 |
| UL | E29179 |

### Electrical

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

**Physical**

| | |
|---|---|
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| 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 | 3.894/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | None |
| Pitch - Mating Interface | 1.27mm, 12.00mm |
| Pitch - Termination Interface | 1.27mm, 2.50mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 2p - 16s |
| 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 | 45985 |

## Application Tooling

## Global

| Description | Part Number |
|---|---|
| LPH Vertical Receptacle Power Terminal Removal Tool | 621006300 |
| Vertical Receptacle Press-In Tool | 622018672 |