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**Part Number:** [0461141224](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower™ Connectors](#)  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 12 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

**Documents:**

[3D Model](#) [Application Specification AS-46114-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-46114-001 \(PDF\)](#)

**Agency Certification**

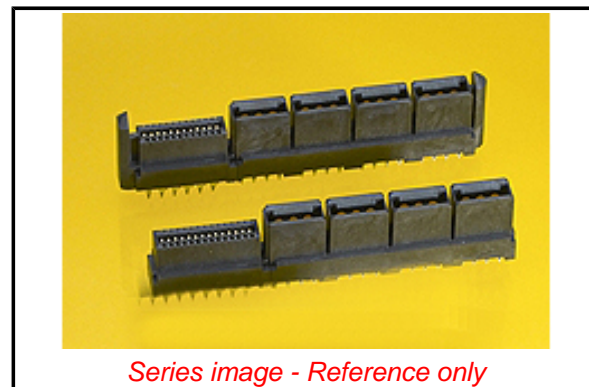
CSA LR19880  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series 46114  
 Application Board-to-Board, Power  
 Application Tooling Part Link 62100-6300  
 Application Tooling Part Link 62201-8671  
 Comments Press Fit Pin  
 Overview [EXTreme LPHPower™ Connectors](#)  
 Product Name EXTreme LPHPower™  
 UPC 800756886381

**Physical**

(p)ower-(s)ignal Configuration 12p - 24s  
 Circuits (Loaded) 36  
 Circuits (maximum) 36  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 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 14.776/g  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention None  
 Packaging Type Tray  
 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  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +105°C



Series image - Reference only

**EU ELV**

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[46114 Series](#)

**Mates With**

[45985 EXTreme LPHPower™ Header](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
LPH Vertical Receptacle Power Terminal Removal Tool	<a href="#">0621006300</a>
Vertical Receptacle Press-In Tool	<a href="#">0622018671</a>

Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-46114-001  
Product Specification PS-46114-001  
Sales Drawing SD-46114-120

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