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**Part Number:** [46114-4280](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower™](#)  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 4 Power Contacts, 28 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 [621006300](#)  
 Application Tooling Part Link [622018671](#)  
 Comments Press Fit Pin  
 Overview [EXTreme LPHPower™](#)  
 Product Name EXTreme LPHPower™  
 UPC 800756886626

**Physical**

(p)ower-(s)ignal Configuration 4p - 28s  
 Circuits (Loaded) 32  
 Circuits (maximum) 32  
 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 7.562/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 1.60mm  
 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



image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[46114Series](#)

**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>

Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole - Compliant Pin

### **Electrical**

Current - Maximum per Contact 30A  
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-46114-400

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