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**Part Number:** [0461146280](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower™ Connectors](#)  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 6 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**

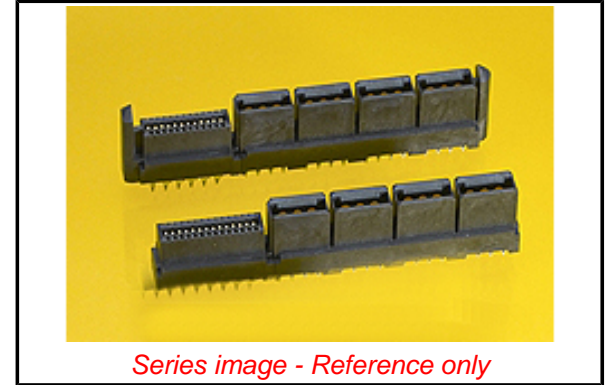
CSA LR19880  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series 46114  
 Application Board-to-Board, Power  
 Application Tooling Part Link 62201-8671  
 Comments Press Fit Pin  
 Overview [EXTreme LPHPower™ Connectors](#)  
 Product Name EXTreme LPHPower™  
 UPC 800756886701

**Physical**

(p)ower-(s)ignal Configuration 6p - 28s  
 Circuits (Loaded) 34  
 Circuits (maximum) 34  
 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 9.472/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  
 Termination Interface: Style Through Hole - Compliant Pin



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/79/2015 (17  
 December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**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.

China ROHS  
 ELV

Green Image  
 Not Relevant

**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 #**

Vertical Receptacle [0622018671](#)  
 Press-In Tool

**Electrical**

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

**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Application Specification	AS-46114-001
Product Specification	PS-46114-001
Sales Drawing	SD-46114-600

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