

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0461144400](#)  
**Status:** **Active**  
**Overview:** EXTreme LPHPower Connectors  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 4 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

**Documents:**

[3D Model](#) [Application Specification AS-46114-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Packaging Specification PK-46114-003 \(PDF\)](#)  
[Product Specification PS-46114-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

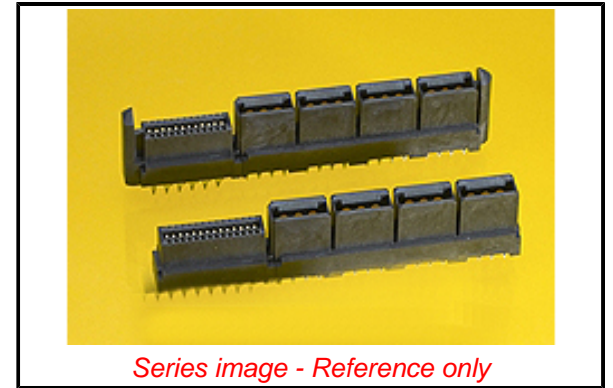
CSA LR19880  
 UL E29179

**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 800756886657

**Physical**

(p)ower-(s)ignal Configuration 4p - 40s  
 Circuits (Loaded) 44  
 Circuits (maximum) 44  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 Flammability 94V-0  
 Glow-Wire Capable 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 8.840/g  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention None  
 Packaging Type Tube  
 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° 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/61/2018 (27 June  
 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**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="#">621006300</a>
Vertical Receptacle Press-In Tool	<a href="#">622018671</a>

**Electrical**

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

**Solder Process Data**

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

Application Specification	AS-46114-001-001
Packaging Specification	PK-46114-003
Product Specification	PS-46114-001-001
Sales Drawing	SD-46114-400

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