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Part Number: [46114-1428](#)
Status: **Active**
Overview: [EXTreme LPHPower™](#)
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 14 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 800756886473

Physical

(p)ower-(s)ignal Configuration 14p - 28s
 Circuits (Loaded) 42
 Circuits (maximum) 42
 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 17.112/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.52mm, 2.58mm
 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



image - Reference only

Series

EU RoHS

ELV and RoHS Compliant
REACH SVHC Not Reviewed
Low-Halogen Status Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email 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 | 0621006300 |
| Vertical Receptacle Press-In Tool | 0622018671 |

| | |
|--------------------------------|------------------------------|
| Surface Mount Compatible (SMC) | Yes |
| 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-46114-140 |

This document was generated on 02/22/2013

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