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Part Number: [46114-1012](#)
Status: **Active**
Overview: EXTreme LPHPower™
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 10 Power Contacts, 12 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

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

Agency Certification

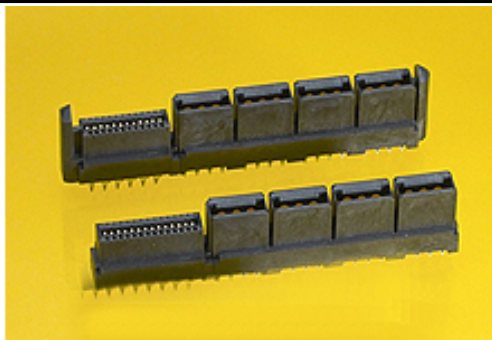
CSA LR19880
UL E29179

General

Product Family PCB Receptacles
Series [46114](#)
Application Board-to-Board, Power
Application Tooling Part Link [621006300](#)
Application Tooling Part Link [622018672](#)
Comments Press Fit Pin
Overview [EXTreme LPHPower™](#)
Product Name EXTreme LPHPower™
UPC 800756886275

Physical

(p)ower-(s)ignal Configuration 10p - 12s
Circuits (Loaded) 22
Circuits (maximum) 22
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 11.588/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
Surface Mount Compatible (SMC) Yes



Series

image - Reference only

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	0622018672

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

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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-46114-100

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