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Part Number: [0461142241](#)

Status: **Active**

Overview:

Description: 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 2 Power Contacts, 24 Signal Contacts, Select Gold (Au) Plating, Without BMI Guides

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

[Product Specification PS-46114-001 \(PDF\)](#)

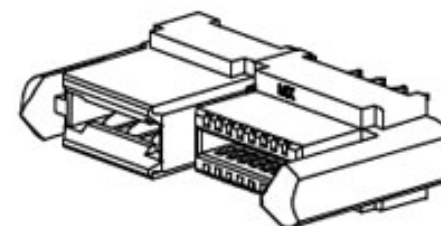
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	46114
Application	Board-to-Board
Application Tooling Part Link	621006300
Application Tooling Part Link	622018671
Overview	EXTreme LPHPower™153;
Product Name	EXTreme LPHPower™

Physical

Circuits (Loaded)	26
Circuits (maximum)	26
Circuits Detail	2 Power, 24 Signal
Color - Resin	Black
Durability (mating cycles max)	250
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.099 In
PC Tail Length (in)	0.102 In
PC Tail Length (mm)	2.52 mm
PC Tail Length (mm)	2.58 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (in)	0.472 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Mating Interface (mm)	12.00 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (in)	0.098 In
Pitch - Term. Interface (mm)	1.27 mm
Pitch - Term. Interface (mm)	2.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75



Series image - Reference only

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Halogen-Free Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

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	0621006300
LPH Vertical Receptacle Press-In Tool for 46114 Series	0622018671

Plating min: Termination (μ in)	150
Plating min: Termination (μ in)	75
Plating min: Termination (μ m)	1.875
Plating min: Termination (μ m)	3.75
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
Electrical	
Current - Maximum	24A
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-46114-001
Sales Drawing	SD-46114-200

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