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**Part Number:** [0461141017](#)

**Status:** **Active**

**Overview:**

**Description:** 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 10 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, Without BMI Guides

**Documents:**

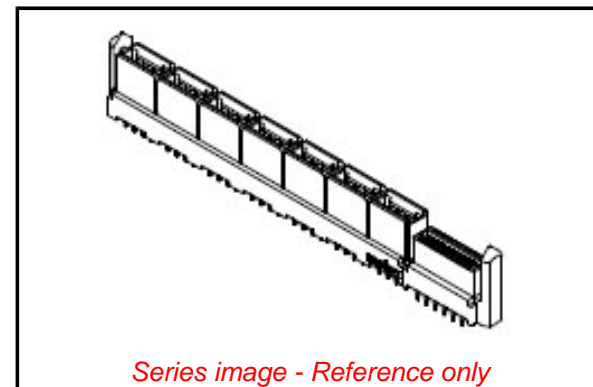
[3D Model](#)

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

[Drawing \(PDF\)](#)

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

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



Series image - Reference only

**General**

Product Family	PCB Receptacles
Series	46114
Application	Board-to-Board
Application Tooling Part Link	621006300
Application Tooling Part Link	622018672
Overview	EXTreme LPHPower™153;
Product Name	EXTreme LPHPower™

**Physical**

Circuits (Loaded)	26
Circuits (maximum)	26
Circuits Detail	10 Power, 16 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

**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](mailto: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 Press-In Tool for 46114 Series	<a href="#">0622018672</a>
LPH Vertical Receptacle Power Terminal Removal Tool	<a href="#">0621006300</a>

Plating min: Termination ( $\mu$ in)	150
Plating min: Termination ( $\mu$ in)	75
Plating min: Termination ( $\mu$ m)	1.875
Plating min: Termination ( $\mu$ 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
<b>Electrical</b>	
Current - Maximum	16A
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Product Specification	PS-46114-001
Sales Drawing	SD-46114-100

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