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**Part Number:** [0461141440](#)  
**Status:** **Active**  
**Overview:** [EXTreme LPHPower™ Connectors](#)  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 14 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-46114-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-46114-003 (PDF)</a>
<a href="#">Product Specification PS-46114-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**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	<a href="#">EXTreme LPHPower™ Connectors</a>
Product Name	EXTreme LPHPower™
UPC	800756886503

**Physical**

(p)ower-(s)ignal Configuration	14p - 40s
Circuits (Loaded)	54
Circuits (maximum)	54
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	18.390/g
Number of Rows	2
Orientation	Vertical
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
Temperature Range - Operating	-40°C to +105°C



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/30/2017 (7 July 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**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.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[46114 Series](#)

**Mates With**

[45985 EXTreme LPHPower™ Header](#)

Termination Interface: Style Through Hole - Compliant Pin

**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

**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-46114-140

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