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**Part Number:** [0461142401](#)  
**Status:** **Active**  
**Overview:** EXTreme LPHPower Connectors  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 2 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, without BMI Guides

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-46114-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-46114-003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-46114-2401-001 (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

**Application tooling part link**

Application Tooling Part Link	62100-6300
Application Tooling Part Link	62201-8671

**General**

Product Family	PCB Receptacles
Series	46114
Application	Board-to-Board, Power
Comments	Press Fit Pin
Component Type	PCB Receptacle
Overview	<a href="#">EXTreme LPHPower Connectors</a>
Product Name	EXTreme LPHPower
Taxonomy	Board-to-Board Connectors
UPC	756054923108

**Physical**

(p)ower-(s)ignal Configuration	2p - 40s
Circuits (Loaded)	42
Circuits (maximum)	42
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
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	6.450/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**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	<a href="#">621006300</a>
Vertical Receptacle Press-In Tool	<a href="#">622018671</a>

Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
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
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**Material Info****Reference - Drawing Numbers**

Application Specification	AS-46114-001-001
Packaging Specification	PK-46114-003-001
Product Specification	PS-46114-001-001
Sales Drawing	SD-46114-200-001
Symbol/Footprint Data	SYM-46114-2401-001

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