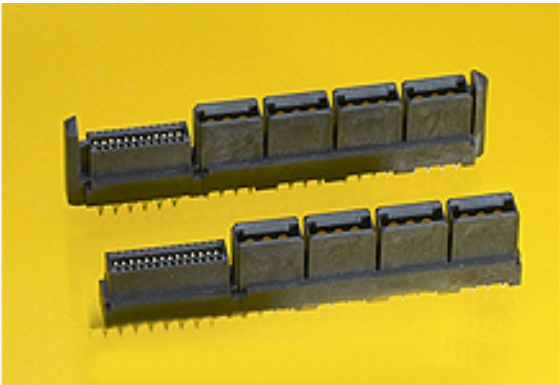




**Part Number :** [461141228](#)  
**Product Description :** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, Compliant Pin, 12 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, with BMI Guides  
**Series Number :** 46114  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources


**Drawings**  
[461141228\\_sd.pdf](#)  
[PK-46114-003-001.pdf](#)

**3D Models and Design Files**  
[461141228\\_stp.zip](#)  
[SYM-46114-1228-001.zip](#)

**Specifications**  
[AS-46114-001-001.pdf](#)  
[PS-46114-001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	46114
Description	1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, Compliant Pin, 12 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, with BMI Guides
Application	Board-to-Board, Power
Comments	Press Fit Pin
Component Type	PCB Receptacle
Product Name	EXTreme LPHPower
UPC	800756886398

### Agency

CSA	LR19880
UL	E29179

### Electrical

Current - Maximum per Contact	30.0A
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC

### Physical

Circuits (Loaded)	30
Circuits (maximum)	30

Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Glow-Wire Capable	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	15.202/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
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
(p)ower-(s)ignal Configuration	12p - 28s
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle Plugs	<u>45985</u>

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Application Tooling

Global

Description	Part Number
LPH Vertical Receptacle Power Terminal Removal Tool	<u>621006300</u>
Vertical Receptacle Press-In Tool	<u>622018671</u>