



**Part Number :** [461141240](#)

**Product Description :** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, Compliant Pin, 12 Power Contacts, 40 Signal Contacts, Select Gold (Au) Plating, with BMI Guides

**Series Number :** 46114

**Status :** Active

**Product Category :** Board-to-Board Connectors



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## Documents & Resources

### Drawings

[Drawing 461141240\\_sd.pdf](#)

[Packaging Design Drawing PK-46114-003-001.pdf](#)

### 3D Models and Design Files

[3D Model 461141240\\_stp.zip](#)

[Symbol Footprint Data SYM-46114-1240-001.zip](#)

### Specifications

[Application Specification AS-46114-001-001.pdf](#)

[Product Specification PS-46114-001-001.pdf](#)

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## 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(2023)3788-DC (14 Jun 2023)
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, 40 Signal Contacts, Select Gold (Au) Plating, with BMI Guides
Application	Board-to-Board, Power
Comments	Press Fit Pin
Component Type	PCB Receptacle
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	800756886428

### 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)	52
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Circuits (maximum)	52
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	16.480/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 - 40s
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>0621006300</u>
Vertical Receptacle Press-In Tool	<u>0622018671</u>

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