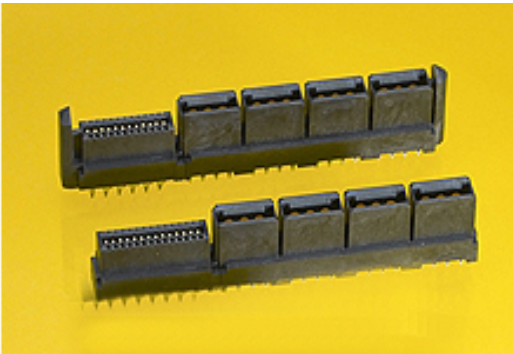




**Part Number :** [461144280](#)  
**Product Description :** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 4 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, with BMI Guides  
**Series Number :** 46114  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents & Resources

**Drawings**  
[461144280\\_sd.pdf](#)  
[PK-46114-003-001.pdf](#)

**3D Models and Design Files**  
[461144280\\_stp.zip](#)  
[SYM-46114-4280-001.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, 4 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            | 800756886626                                                                                                                                         |

#### 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)  | 32    |
| Circuits (maximum) | 32    |
| 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                     | 6.519/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 | 4p - 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<br>Terminal Removal Tool | <u>621006300</u> |
| Vertical Receptacle Press-In Tool                      | <u>622018671</u> |

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