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**Part Number:** [0461148280](#)  
**Status:** **Active**  
**Overview:** EXTreme LPHPower Connectors  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, Compliant Pin, 8 Power Contacts, 28 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="#">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-46114-8280-001 (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                               |
| Overview       | <a href="#">EXTreme LPHPower Connectors</a> |
| Product Name   | EXTreme LPHPower                            |
| UPC            | 800756886763                                |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 8p - 28s                       |
| 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                     | 11.382/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                            |
| Polarized to PCB               | Yes                            |
| Stackable                      | No                             |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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> |

|                                |                              |
|--------------------------------|------------------------------|
| 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 |
|------------------------------|-----|

**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-46114-800-001   |
| Symbol/Footprint Data     | SYM-46114-8280-001 |

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