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Part Number:

46114-1220

Status:

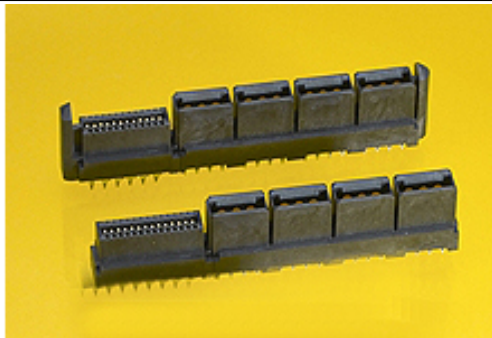
Active

Overview:

EXTreme LPHPower™

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 12 Power Contacts, 20 Signal Contacts, Select Gold (Au) Plating, with BMI Guides



Series

image - Reference only

- Documents:
- 3D Model

Drawing (PDF)

Product Specification PS-46114-001 (PDF)

Application Specification AS-46114-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

|     |         |
|-----|---------|
| CSA | LR19880 |
| UL  | E29179  |

General

|                               |                       |
|-------------------------------|-----------------------|
| Product Family                | PCB Receptacles       |
| Series                        | 46114                 |
| Application                   | Board-to-Board, Power |
| Application Tooling Part Link | 62100-6300            |
| Application Tooling Part Link | 62201-8671            |
| Comments                      | Press Fit Pin         |
| Overview                      | EXTreme LPHPower™     |
| Product Name                  | EXTreme LPHPower™     |
| UPC                           | 800756886374          |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 12p - 20s                      |
| Circuits (Loaded)              | 32                             |
| Circuits (maximum)             | 32                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | 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                     | 14.350/g                       |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Tray                           |
| 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                             |
| Surface Mount Compatible (SMC) | Yes                            |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series  
46114Series

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 | 0621006300 |
| Vertical Receptacle Press-In Tool                   | 0622018671 |

|                               |                              |
|-------------------------------|------------------------------|
| Temperature Range - Operating | -40°C 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 |

**Material Info**

**Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Application Specification | AS-46114-001 |
| Product Specification     | PS-46114-001 |
| Sales Drawing             | SD-46114-120 |

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