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Part Number:

0461148321

Status:

Active

Overview:

EXTreme LPHPower™ Connectors

Description:

1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 8 Power Contacts, 32 Signal Contacts, Select Gold (Au) Plating, without BMI Guides

Documents:

3D Model

Application Specification AS-46114-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-46114-001 (PDF)

Agency Certification

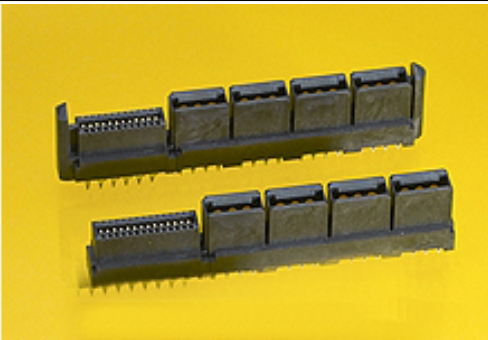
|     |         |
|-----|---------|
| CSA | LR19880 |
| UL  | E29179  |

General

|                               |                              |
|-------------------------------|------------------------------|
| Product Family                | PCB Receptacles              |
| Series                        | 46114                        |
| Application                   | Board-to-Board, Power        |
| Application Tooling Part Link | 62100-6300                   |
| Application Tooling Part Link | 62201-8672                   |
| Comments                      | Press Fit Pin                |
| Overview                      | EXTreme LPHPower™ Connectors |
| Product Name                  | EXTreme LPHPower™            |
| UPC                           | 756054923290                 |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 8p - 32s                       |
| Circuits (Loaded)              | 40                             |
| Circuits (maximum)             | 40                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 250                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| 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                     | 11.328/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                            |
| Temperature Range - Operating  | -40°C to +105°C                |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|            |              |
|------------|--------------|
| China ROHS | Green Image  |
| ELV        | Not Relevant |

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 #  |
|---------------------|------------|
| Vertical Receptacle | 0622018672 |
| Press-In Tool       |            |
| LPH Vertical        | 0621006300 |
| Receptacle Power    |            |
| Terminal Removal    |            |
| Tool                |            |

|                                    |                              |
|------------------------------------|------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| Current - Maximum per Contact      | 30.0A                        |
| Grounding to PCB                   | No                           |
| Voltage - Maximum                  | 250V AC (RMS)/DC             |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| Application Specification          | AS-46114-001                 |
| Product Specification              | PS-46114-001                 |
| Sales Drawing                      | SD-46114-800                 |

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