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Part Number: **0461141429**
Status: **Active**
Overview: EXTreme LPHPower™ Connectors
Description: 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, Compliant Pin, 14 Power Contacts, 28 Signal Contacts, Select Gold (Au) Plating, without BMI Guides

Documents:

| | |
|--|--|
| 3D Model | Application Specification AS-46114-001-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-46114-003 (PDF) |
| Product Specification PS-46114-001-001 (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™ Connectors |
| Product Name | EXTreme LPHPower™ |
| UPC | 756054922996 |

Physical

| | |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 14p - 28s |
| Circuits (Loaded) | 42 |
| Circuits (maximum) | 42 |
| 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 | 16.632/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 Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

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

| | |
|-----------------|--------------|
| China ROHS | Not Reviewed |
| ELV | Not Reviewed |
| RoHS Phthalates | Not Reviewed |

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

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-46114-001-001
Packaging Specification PK-46114-003
Product Specification PS-46114-001-001
Sales Drawing SD-46114-140

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