

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0461141020**  
**Status:** **Active**  
**Overview:** EXTreme LPHPower™ Connectors  
**Description:** 1.27mm, 12.00mm Pitch, EXTreme LPHPower™ Receptacle Header, Vertical, 10 Power Contacts, 20 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="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-46114-003 (PDF)</a>       |
| <a href="#">Product Specification PS-46114-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

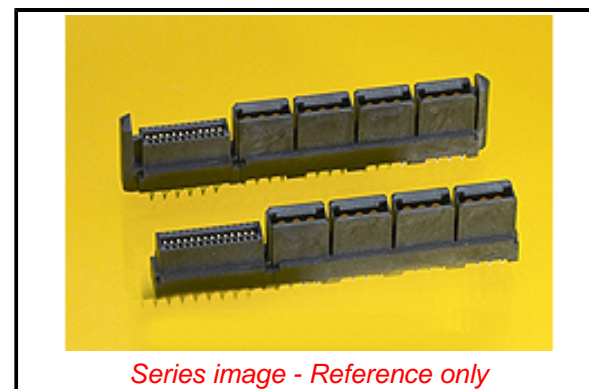
|     |         |
|-----|---------|
| CSA | LR19880 |
| UL  | E29179  |

**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                      | <u>EXTreme LPHPower™ Connectors</u> |
| Product Name                  | EXTreme LPHPower™                   |
| UPC                           | 800756886299                        |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 10p - 20s                      |
| Circuits (Loaded)              | 30                             |
| Circuits (maximum)             | 30                             |
| 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                     | 12.440/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                |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



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](mailto: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

**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-46114-100     |

This document was generated on 07/21/2017

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**