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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:

| | |
|--|--|
| 3D Model | Application Specification AS-46114-001-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-46114-003-001 (PDF) |
| Drawing (PDF) | Symbol Footprint Data SYM-46114-1020-001 (PDF) |
| Product Specification PS-46114-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

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 | EXTreme LPHPower Connectors |
| 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 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 | 12.440/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 | 621006300 |
| Vertical Receptacle Press-In Tool | 622018671 |

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

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-46114-100-001 |
| Symbol/Footprint Data | SYM-46114-1020-001 |

This document was generated on 09/06/2021

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