



Part Number : 461120403

Series Number : 46112

Product Category : Board-to-Board  
Connectors

Product Description : 12.00mm Pitch,  
EXTreme LPHPower Receptacle Header,  
Vertical, 4 Power Contact, Select Gold (Au)  
Plating, with BMI Guides

Status : Active

## Documents & Resources

### Drawings

Drawing 461120403\_sd.pdf  
Packaging Design Drawing PK-46114-003-001.pdf

### 3D Models and Design Files


3D Model 461120403\_stp.zip  
Symbol Footprint Data SYM-46112-0403-001.zip

### Specifications

Application Specification AS-46114-001-001.pdf  
Product Specification PS-46114-001-001.pdf

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Board-to-Board Connectors
Series	46112
Description	12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 4 Power Contact, Select Gold (Au) Plating, with BMI Guides
Application	Board-to-Board, Power
Component Type	PCB Receptacle
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	800756885797

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	Contact Molex
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC

#### Physical

Circuits (Loaded)	4
Circuits (maximum)	4
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	4.380/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	12.00mm
Pitch - Termination Interface	12.00mm
Plating min - Mating	0.762µm
Plating min - Termination	1.270µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	4p - 0s
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

## Solder Process Data

Lead-Free Process Capability	N/A
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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle Plugs	<u>45985</u>

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