molex



Part Number : 461121003
Product Description : 12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 10 Power Contact, Select Gold (Au) Plating, with BMI Guides
Series Number : 46112
Status : Active
Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

461121003_sd.pdf

PK-46114-003-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-46112-1003-001.zip

Specifications

AS-46114-001-001.pdf

PS-46114-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	46112
Description	12.00mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 10 Power Contact, Select Gold (Au) Plating, with BMI Guides
Application	Board-to-Board, Power
Component Type	PCB Receptacle, Receptacle
Product Name	EXTreme LPHPower
UPC	800756885902

Agency

CSA	LR19880
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
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	10.110/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	10p - 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

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle Plugs	45985