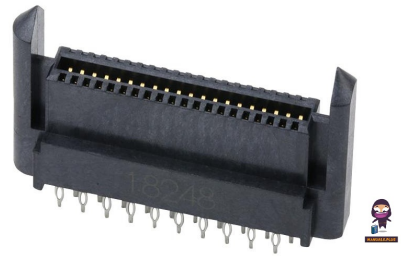


molex
46113 Rectangular
Power Connector



molex 46113 Rectangular Power Connector Owner's Manual

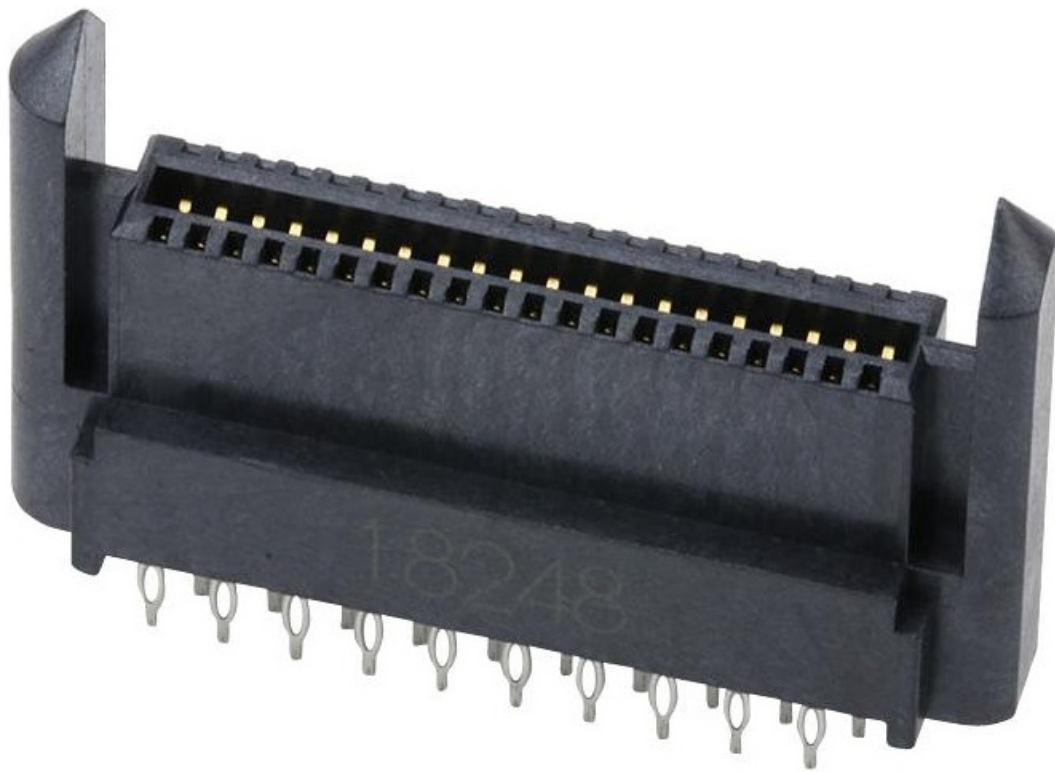
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Molex 46113 Rectangular Power Connector



Specifications

- **Part Number:** 461130363
- **Series Number:** 46113
- **Product Category:** Board-to-Board Connectors
- **Product Description:** 1.27mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 36 Signal Contact, Select Gold (Au) Plating, with BMI Guides

Product Information

General Details

- Status: Active
- Application Component Type: Board-to-Board Connectors
- Product Family: EXTreme LPHPower Connectors
- UPC: 800756886237

Electrical Details

- Current – Maximum per Contact: 1.0A
- Grounding to PCB: No
- Voltage – Maximum: 250V AC (RMS)/DC

Physical Details

- Circuits (Loaded): 36
- Color – Resin: Black

- Durability (mating cycles max): 250
- Flammability: 94V-0

Material Details

- Material – Metal: High-Performance Alloy (HPA)
- Material – Plating: Gold Tin
- Mating Material – Plating: High Temperature Thermoplastic
- Termination Material – Resin: None

Additional Details

- Number of Rows: 2
- Orientation: Vertical
- Polarized to Mating Part: Yes
- Polarized to PCB: Yes
- Temperature Range – Operating: N/A

Product Usage Instructions

Installation Guide

1. Ensure the power is turned off before installation.
2. Align the connector properly with the mating part.
3. Gently push the connector into place until it is securely seated.
4. Verify proper connection and functionality before use.

Maintenance and Care

Regularly inspect the connectors for any signs of damage or wear. Clean with a soft, dry cloth if needed. Avoid exposing the connectors to extreme temperatures or moisture.

- **Part Number:** 461130363
- **Series Number:** 46113
- **Product Category:** Board-to-Board Connectors
- **Product Description:** 1.27mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 36 Signal Contact, Select Gold (Au) Plating, with BMI Guides
- **Status:** Active

Documents & Resources

Drawings

- Drawing 461130363_sd.pdf
- Packaging Design Drawing PK-46114-003-001.pdf

3D Models and Design Files

- 3D Model 461130363_stp.zip
- Symbol Footprint Data SYM-46113-0363-001.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

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	46113
Description	1.27mm Pitch, EXTreme LPHPower Receptacle Header, Vertical, 36 Signal Contact, Select Gold (Au) Plating, with BMI Guides
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	EXTreme LPHPower Connectors
Product Name	EXTreme LPHPower
UPC	800756886237

Agency

CSA	LR19980
UL	E29179

Electrical

Current – Maximum per Contact	1.0A
Grounding to PCB	No
Voltage – Maximum	250V AC (RMS)/DC

Physical

Circuits (Loaded)	36
Circuits (maximum)	36
Color – Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0

Solder Process Data

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	4.664/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch – Mating Interface	1.27mm
Pitch – Termination Interface	1.27mm
Plating min – Mating	0.762µm
Plating min – Termination	1.270µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	36s – 0p
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

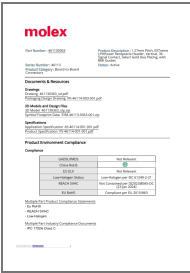
Mates with Part(s)

Description	Part Number
EXTreme LPHPower Right-Angle Plugs	45985

FAQ

- **Q: Can this connector be used in high-voltage applications?**
 - A: The connector is rated for a maximum voltage of 250V AC/DC. Please ensure it meets your specific application requirements.
- **Q: Is this connector compatible with other Molex products?**
 - A: Yes, this connector mates with the EXTreme LPHPower Right-Angle Plugs (Part Number 45985).

Documents / Resources



[molex 46113 Rectangular Power Connector](#) [pdf] Owner's Manual
46113 Rectangular Power Connector, 46113, Rectangular Power Connector, Power Connector, Connector

References

- [User Manual](#)

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