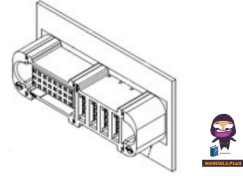


molex 46562 Rectangular Power Connector



molex 46562 Rectangular Power Connector User Manual

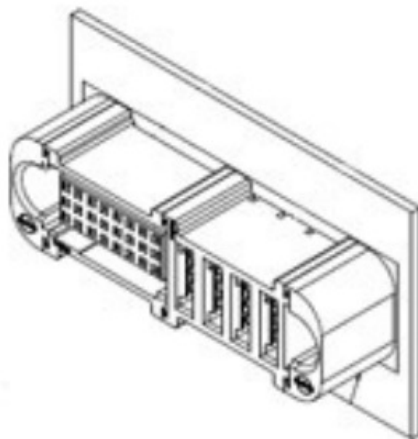
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molex 46562 Rectangular Power Connector



- **Part Number :**
 - 465623001


- **Product Description :**
 - 2.54mm, 5.50mm Pitch
 - EXTreme Ten60Power Vertical Receptacle
 - Assembly with Guide Receivers, 24 Signal
 - Circuits, 4 Power Circuits
- **Series Number :**
 - 46562
- **Status :**
 - Active
- **Product Category :**
 - Board-to-Board
 - Connectors

Documents & Resources

- **Drawings**
 - Drawing 465623001_sd.pdf
 - Packaging Design Drawing PK-46562-001-000.pdf
 - Packaging Design Drawing PK-46562-002-000.pdf
- **3D Models and Design Files**
 - 3D Model PDF 465623001.pdf
 - 3D Model 465623001_stp.zip
- **Specifications**
 - Application Specification AS-46436-100-001.pdf
 - Product Specification PS-46436-100-001.pdf
 - Test Summary 464361000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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	46562
Description	2.54mm, 5.50mm Pitch EXTreme Ten60Power Vertical Receptacle Assembly with Guide Receivers, 24 Signal Circuits, 4 Power Circuits
Application	Board-to-Board, Power, Signal
Comments	See PS-46436-100 for details
Component Type	PCB Receptacle
Product Family	EXTreme Ten60 High-Power Connectors
Product Name	EXTreme Ten60Power
UPC	883906923983

Agency

CSA	LR19980
UL	E29179

Electrical

Current – Maximum per Contact	2.5A, 55.0A
Grounding to PCB	No
Voltage – Maximum	600V AC / 250V DC

Physical

Circuits (Loaded)	28
Circuits (maximum)	28
Color – Resin	Black
Durability (mating cycles max)	200
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Side, Yes
Keying to Mating Part	None
Lock to Mating Part	No
Material – Metal	Copper
Material – Plating Mating	Gold
Material – Plating Termination	Tin
Material – Resin	High Temperature Thermoplastic
Net Weight	18.882/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness – Recommended	1.58mm
Pitch – Mating Interface	2.54mm, 5.50mm
Plating min – Mating	0.127µm
Plating min – Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	4p – 24s
Stackable	No
Temperature Range – Operating	-40° to +105°C
Termination Interface Style	Through Hole – Compliant Pin

Mates With / Use With

Mates with Part(s)

Description	Part Number
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2.54mm, 5.50mm Pitch EXTreme Ten60Power Right-Angle Plug Assembly with Guide Pins, 4 DC Power Circuits, 24 Signal Circuits

[0464373001](#)

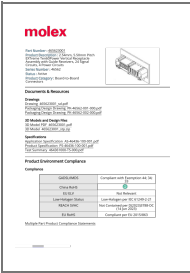
Application Tooling

Global

Description	Part Number
Removal Tool for Vertical Signal Modules	0621007800
Removal Tool for Ten60 Power Receptacle Terminals	0621007900

This document was generated on Sep 04, 2023

Documents / Resources

	<p>molex 46562 Rectangular Power Connector [pdf] User Manual</p> <p>46562 Rectangular Power Connector, 46562, Rectangular Power Connector, Power Connector</p>
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References

- [Molex Tools](#)
- [molex.com/bin/molex/rohspdf?partNumber=465623001](#)
- [Product Compliance | Molex](#)
- [Crimp Presses and Crimp Hand Tools Part - 621007800 | Molex](#)
- [User Manual](#)

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