



**Part Number :** [465629316](#)

**Series Number :** 46562

**Product Category :** Board-to-Board Connectors

**Product Description :** EXTreme Ten60Power Vertical Receptacle with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, Press Fit Tail

**Status :** Active

Documents & Resources


**Drawings**  
[Drawing 465629316\\_sd.pdf](#)  
[Packaging Design Drawing 465621001-PK-000.pdf](#)

**3D Models and Design Files**  
[3D Model 465629316\\_stp.zip](#)

**Specifications**  
[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)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	46562
Description	EXTreme Ten60Power Vertical Receptacle with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, Press Fit Tail
Application	Board-to-Board, Power, Signal
Comments	See Product Specification for details
Component Type	PCB Receptacle
Product Family	EXTreme Ten60 High-Power Connectors
Product Name	EXTreme Ten60Power
UPC	195842673045

#### Agency

UL	E29179
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#### Electrical

Current - Maximum per Contact	60.0A
Grounding to PCB	No
Voltage - Maximum	600V AC / 250V DC

#### Physical

Circuits (Loaded)	31
Circuits (maximum)	31
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	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	10.003/g
Number of Rows	1, 5
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.50mm, 3.28mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm
Pitch - Mating Interface	2.00mm, 5.50mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	1p - 30s
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
EXTreme Ten60Power Right-Angle Plug with Side Guides, 1 DC Power Circuit, 30 Signal Circuits, Press Fit Tail	<u>464379316</u>

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