



**Part Number :** 465629322

**Series Number :** 46562

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

**Product Description :** EXTreme Ten60Power Vertical Receptacle with Side Guides, 2 DC Power Circuits, 15 Signal Circuits, 2 DC Power Circuits, Press Fit Tail

**Status :** Active

Documents & Resources

**Drawings**  
Drawing 465629322\_sd.pdf  
Packaging Design Drawing 465621001-PK-000.pdf

**3D Models and Design Files**  
3D Model 465629322\_stp.zip

**Specifications**  
Product Specification PS-46436-100-001.pdf  
Test Summary 464361000-TS-000.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         | 46562                                                                                                                                 |
| Description    | EXTreme Ten60Power Vertical Receptacle with Side Guides, 2 DC Power Circuits, 15 Signal Circuits, 2 DC Power 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            | 195842673106                                                                                                                          |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 19    |
| Circuits (maximum)             | 19    |
| 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                     | 14.066/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 | 2p - 15s - 2p                |
| 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, 2 DC Power Circuits, 15 Signal Circuits, 2 DC Power Circuits, Press Fit Tail | <u>464379322</u> |

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