



**Part Number :** 464379302

**Series Number :** 46437

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

**Product Description :** EXTreme Ten60Power Right-Angle Plug with Side Guides, 2 DC Power Circuit, Press Fit Tail

**Status :** Active


**Engineering Number :** 46437-9301

Documents & Resources

- Drawings**
- Drawing 464379302\_sd.pdf
  - Packaging Design Drawing 464371001-PK-000.pdf
- 3D Models and Design Files**
- 3D Model 464379302\_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         | 46437  |
| Description    | EXTreme Ten60Power Right-Angle Plug with Side Guides, 2 DC Power Circuit, Press Fit Tail |
| Application    | Board-to-Board, Power  |
| Comments       | See Product Specification for details  |
| Component Type | PCB Header   |
| Product Family | EXTreme Ten60 High-Power Connectors  |
| Product Name   | EXTreme Ten60Power   |
| UPC            | 195842663237   |

#### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

#### Electrical

|                               |                   |
|-------------------------------|-------------------|
| Current - Maximum per Contact | 60.0A             |
| Voltage - Maximum             | 600V AC / 250V DC |

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 2     |
| Circuits (maximum)             | 2     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 200   |
| First Mate / Last Break        | No    |
| Flammability                   | 94V-0 |

|                                |                              |
|--------------------------------|------------------------------|
| Glow-Wire Capable              | No                           |
| Guide to Mating Part           | Side, Yes                    |
| Keying to Mating Part          | None                         |
| Lock to Mating Part            | No                           |
| Mated Height                   | 10.00mm                      |
| Material - Metal               | High Conductivity Copper     |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer       |
| Net Weight                     | 8.118/g                      |
| Number of Rows                 | 1                            |
| Orientation                    | Right Angle                  |
| Packaging Type                 | Tray                         |
| PC Tail Length                 | 3.28mm                       |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 1.58mm                       |
| Pitch - Mating Interface       | 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 - 0s                      |
| 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 Receptacle with Side Guides, 2 DC Power Circuit, Press Fit Tail | <u>464369302</u> |
| EXTreme Ten60Power Vertical Receptacle with Side Guides, 2 DC Power Circuit, Press Fit Tail    | <u>465629302</u> |

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