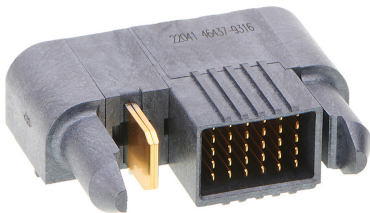




**Part Number :** [464379316](#)  
**Product Description :** EXTreme Ten60Power  
Right-Angle Plug with Side Guides, 1 DC Power  
Circuit, 30 Signal Circuits, Press Fit Tail  
**Series Number :** 46437  
**Status :** Active  
**Product Category :** Board-to-Board  
Connectors



## Documents & Resources

**Drawings**  
[464379316\\_sd.pdf](#)  
[464371001-PK-000.pdf](#)

**3D Models and Design Files**  
[464379316\\_stp.zip](#)

**Specifications**  
[PS-46436-100-001.pdf](#)  
[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(2024)6225-DC<br>(07 Nov 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, 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 Header                                                                                                   |
| Keyword        | Ten60                                                                                                        |
| Product Name   | EXTreme Ten60Power                                                                                           |
| UPC            | 195842665200                                                                                                 |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 31    |
| Circuits (maximum)             | 31    |
| 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            | None                         |
| Mated Height                   | 10.00mm                      |
| Material - Metal               | High Conductivity Copper     |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer       |
| Net Weight                     | 10.582/g                     |
| Number of Rows                 | 1, 5                         |
| Orientation                    | Right Angle                  |
| Packaging Type                 | Tray                         |
| PC Tail Length                 | 2.50mm, 3.28mm               |
| PCB Locator                    | Yes                          |
| 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<br>Receptacle with Side Guides, 1 DC<br>Power Circuit, 30 Signal Circuits,<br>Press Fit Tail | <u>464369316</u> |
| EXTreme Ten60Power Vertical<br>Receptacle with Side Guides, 1 DC<br>Power Circuit, 30 Signal Circuits,<br>Press Fit Tail    | <u>465629316</u> |

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