Part Number : 465629318

Product Description : EXTreme Ten60Power Vertical Receptacle with Side Guides, 3 DC Power Circuits, 30 Signal Circuits, Press Fit Tail

Series Number : 46562

Status : Active

Product Category : Board-to-Board Connectors

## Documents & Resources

### Drawings

Drawing 465629318_sd.pdf

Packaging Design Drawing 465621001-PK-000.pdf

### 3D Models and Design Files

3D Model 465629318_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

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 46562 |
| Description | EXTreme Ten60Power Vertical Receptacle with Side Guides, 3 DC Power Circuits, 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 | 195842673069 |

### Agency

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

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 33 |
| Circuits (maximum) | 33 |
| 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 | 13.759/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 | 3p - 30s |
| 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 |
|---|---|
| EXTreme Ten60Power Right-Angle Plug with Side Guides, 3 DC Power Circuits, 30 Signal Circuits, Press Fit Tail | 464379318 |