



Part Number : [465623011](#)

Product Description : 2.54mm, 5.50mm, 7.50mm Pitch EXTreme Ten60Power Vertical Receptacle Assembly with Guide Receivers, 24 Signal Circuits, 7 Power Circuits

Series Number : 46562

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

[Drawing 465623011_sd.pdf](#)

[Packaging Design Drawing PK-46562-001-000.pdf](#)

[Packaging Design Drawing PK-46562-002-000.pdf](#)

3D Models and Design Files

[3D Model 465623011_stp.zip](#)

Specifications


[Application Specification AS-46436-100-001.pdf](#)

[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(2024)4144-DC (27 June 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 | 2.54mm, 5.50mm, 7.50mm Pitch EXTreme Ten60Power Vertical Receptacle Assembly with Guide Receivers, 24 Signal Circuits, 7 Power Circuits |
| Application | Board-to-Board, Power, Signal |
| Comments | See PS-46436-100 for details |
| Component Type | PCB Receptacle |
| Product Family | EXTreme Ten60 High-Power Connectors |
| Product Name | EXTreme Ten60Power |
| UPC | 883906924287 |

Agency

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

Electrical

| | |
|-------------------------------|-------------------|
| Current - Maximum per Contact | 2.5A, 55.0A |
| 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 | Copper |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 23.047/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.58mm |
| Pitch - Mating Interface | 2.54mm, 5.50mm, 7.50mm |
| Plating min - Mating | 0.127µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 4p - 24s - 3p |
| 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 |
|---|------------------|
| 2.54mm, 5.50mm, 7.50mm Pitch EXTreme Ten60Power Right-Angle Plug Assembly with Guide Pins, 3 AC Power Circuits, 24 Signal Circuits, 4 DC Power Circuits | <u>464373011</u> |

Application Tooling

Global

| Description | Part Number |
|--|------------------|
| Removal Tool for Vertical Signal Modules | <u>621007800</u> |
| Removal Tool for EXTreme Ten60Power Power Receptacle Terminals | <u>621007900</u> |

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