Part Number : 1710888412

Product Description : EXTreme Ten60Power Right-Angle Plug with Guides, 2 Split Power Circuits, 15 Signal Circuits, Press Fit Tail

Series Number : 171088

Status : Active

Product Category : Board-to-Board Connectors

Engineering Number : 171088-8402

## Documents & Resources

### Drawings

Drawing 1710888412_sd.pdf

### 3D Models and Design Files

3D Model 1710888412_stp.zip

### Specifications

Product Specification PS-171088-0000-001.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 | 171088 |
| Description | EXTreme Ten60Power Right-Angle Plug with Guides, 2 Split Power Circuits, 15 Signal Circuits, Press Fit Tail |
| Application | Board-to-Board, Power, Signal |
| Component Type | PCB Header |
| Product Family | EXTreme Ten60 High-Power Connectors |
| Product Name | EXTreme Ten60Power |
| UPC | 195842726895 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A, 30.0A |
| Voltage - Maximum | 600V |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 17 |
| Circuits (maximum) | 17 |
| 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 | 12.095/g |
| Number of Rows | 1, 5 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PC Tail Length | 2.50mm, 3.28mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.58mm |
| Pitch - Mating Interface | 2.00mm, 8.00mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| (p)ower-(s)ignal Configuration | 2sp - 15s |
| Shrouded | No |
| 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 Vertical Receptacle with Guides, 2 Split Power Circuits, 15 Signal Circuits, Press Fit Tail | 1710898412 |
| EXTreme Ten60Power Right-Angle Receptacle with Guides, 2 Split Power Circuits, 15 Signal Circuits, Press Fit Tail | 1710908412 |