



Part Number : [1710898416](#)

Product Description : EXTreme Ten60Power Vertical Receptacle with Guides, 1 Split Power Circuit, 30 Signal Circuits, Press Fit Tail

Series Number : 171089

Status : Active

Product Category : Board-to-Board Connectors

---

## Documents & Resources

### Drawings

[Drawing 1710898416\\_sd.pdf](#)

[Packaging Design Drawing 1710891001-PK-000.pdf](#)

### 3D Models and Design Files

[3D Model 1710898416\\_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	171089
Description	EXTreme Ten60Power Vertical Receptacle with Guides, 1 Split Power Circuit, 30 Signal Circuits, Press Fit Tail
Application	Board-to-Board, Power, Signal
Component Type	PCB Receptacle
Product Family	EXTreme Ten60 High-Power Connectors
Product Name	EXTreme Ten60Power
UPC	195842734067

### Agency

UL	E29179
----	--------

### Electrical

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

### 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
Mated Height	16.13mm
Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	9.979/g
Number of Rows	1, 5
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.50mm, 2.83mm
PCB Locator	No
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	1sp - 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 Guides, 1 Split Power Circuit, 30 Signal Circuits, Press Fit Tail	<u>1710888416</u>