



Part Number : 1710908416

Series Number : 171090

Product Category : Board-to-Board  
Connectors

Product Description : EXTreme Ten60Power  
Right-Angle Receptacle with Guides, 1 Split  
Power Circuit, 30 Signal Circuits, Press Fit Tail  
Status : Active

Documents & Resources

Drawings

Drawing 1710908416\_sd.pdf

3D Models and Design Files


3D Model 1710908416\_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

## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	171090
Description	EXTreme Ten60Power Right-Angle 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	195842734364

### Agency

UL	E29179
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### 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
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	11.384/g
Number of Rows	1, 5
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.50mm, 3.28mm
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

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## 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>