



Part Number : [755425000](#)

Product Description : EXTreme PowerMass, 150 Amp Module, 1 Circuit, Vertical Receptacle, Lead-Free

Series Number : 75542

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

[Drawing 755425000_sd.pdf](#)

[Packaging Design Drawing PK-75541-200-001.pdf](#)

3D Models and Design Files

[3D Model 755425000_stp.zip](#)


Specifications

[Application Specification AS-75541-100-001.pdf](#)

[Product Specification PS-75431-999-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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	75542
Description	EXTreme PowerMass, 150 Amp Module, 1 Circuit, Vertical Receptacle, Lead-Free
Application	Board-to-Board, Power
Comments	150A Module Tin Tails
Component Type	PCB Receptacle
Product Family	EXTreme PowerMass High-Current Connectors
Product Name	EXTreme PowerMass
UPC	800756673325

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	150.0A
Grounding to PCB	No
Voltage - Maximum	600V

Physical

Circuits (Loaded)	1
Circuits (maximum)	1
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	No

Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.054/g
Number of Rows	4
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.72mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	2.40mm
Pitch - Mating Interface	N/A
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme PowerMass Right-Angle Plugs	<u>75556</u>

Application Tooling

Global

Description	Part Number
Vertical Receptacle Power Terminal Removal Tool	<u>621005900</u>

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