



Part Number : 1721860006

Series Number : 172186

Product Category : Board-to-Board Connectors

Product Description : EXTreme EnergetiC Modular Vertical Receptacle Assembly, 4 Power Circuits with Press-Fit Tails, with Guide

Status : Active

Documents & Resources


Drawings
Drawing 1721860006_sd.pdf
Packaging Design Drawing PK-172186-0002-001.pdf

3D Models and Design Files
3D Model 1721860006_stp.zip

Specifications
Product Specification PS-172185-0001-001.pdf
Test Summary 1721850000-TS-000.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(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	172186
Description	EXTreme EnergetiC Modular Vertical Receptacle Assembly, 4 Power Circuits with Press-Fit Tails, with Guide
Application	Board-to-Board, Power
Component Type	PCB Receptacle
Product Family	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	889056253307

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	100.0A
Voltage - Maximum	600V AC/DC

Physical

Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	200
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes

Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	16.862/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.83mm
PCB Retention	None
PCB Thickness - Recommended	1.58mm
Pitch - Mating Interface	7.65mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	4p - 0s
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 EnergetiC Modular Right-Angle Plug Assembly, 4 Power Circuits with Solder Tail Mounting, with Guide	<u>1721850006</u>

Application Tooling

Global

Description	Part Number
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Receptacle Housing Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 172186 Series	<u>621007760</u>
Removal Tool for EXtreme EnergetiC Vertical Receptacle Terminal	<u>621007770</u>