Part Number : 1721860009

Product Description : EXTreme EnergetiC Modular Vertical Receptacle Assembly, 6 Power Circuits with Press-Fit Tails, without Guide

Series Number : 172186

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

Drawing 1721860009_sd.pdf

Packaging Design Drawing PK-172186-0002-001.pdf

3D Models and Design Files

3D Model 1721860009_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(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	172186
Description	EXTreme EnergetiC Modular Vertical Receptacle Assembly, 6 Power Circuits with Press-Fit Tails, without Guide
Application	Board-to-Board, Power
Component Type	PCB Receptacle
Product Family	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	889056254038

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	200
Flammability	94V-0
Glow-Wire Capable	No

Guide to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	23.637/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	6p - 0s
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme EnergetiC Modular Right-Angle Plug Assembly, 6 Power Circuits with Solder Tail Mounting, without Guide	1721850009

Application Tooling

Global

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