



Part Number : [1721860003](#)
Product Description : EXTreme EnergetiC Modular Vertical Receptacle Assembly, 27 Circuits (25 Signal/2 Power) with Press-Fit Tails, with Guide
Series Number : 172186
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources


Drawings
[Drawing 1721860003_sd.pdf](#)
[Packaging Design Drawing PK-172186-0002-001.pdf](#)

3D Models and Design Files
[3D Model 1721860003_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, 27 Circuits (25 Signal/2 Power) with Press-Fit Tails, with Guide
Application	Board-to-Board, Power, Signal
Component Type	PCB Receptacle
Product Family	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	889056332705

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	27
Circuits (maximum)	27
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	14.461/g
Number of Rows	5
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.50mm, 2.83mm
PCB Retention	None
PCB Thickness - Recommended	1.58mm
Pitch - Mating Interface	2.00mm, 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	2p - 25s
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, 27 Circuits (25 Signal/2 Power) with Solder Tail Mounting, with Guide	<u>1721850003</u>

Application Tooling

Global

Description	Part Number
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>