Part Number : 1710980001
Product Description : EXTreme EnergetiC Vertical Receptacle Assembly, 31 Circuits (25 Signal/6 Power) with Press-Fit Tails
Series Number : 171098
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

1710980001_sd.pdf

PK-171098-0100-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-171097-1000-001.pdf

TS-171097-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	171098
Description	EXTreme EnergetiC Vertical Receptacle Assembly, 31 Circuits (25 Signal/6 Power) with Press-Fit Tails
Application	Board-to-Board, Power, Signal
Component Type	Receptacle
Product Name	EXTreme EnergetiC
UPC	887191569505

Agency

UL	E29179

Electrical

Current - Maximum per Contact	100.0A
Voltage - Maximum	40V

Physical

Circuits (Loaded)	31

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Circuits (maximum)	31
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 (LCP)
Net Weight	26.372/g
Number of Rows	5
Orientation	Vertical
Packaging Type	Tray
PCB Retention	No
PCB Thickness - Recommended	1.58mm
PC Tail Length	2.46mm, 2.83mm
Pitch - Mating Interface	2.00mm, 6.50mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	25s - 6p
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Max-Duration	40
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

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Description	Part Number
EXTreme EnergetiC Right-Angle Plug Assemblies	171097

Application Tooling

Global

Description	Part Number
Receptacle Housing Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly, 171098 Series	621007720
Terminal Removal Tool for EXTreme EnergetiC Vertical Receptacle Assembly	621007730

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