



Part Number : [1710980002](#)
Product Description : EXTreme EnergetiC
Vertical Receptacle Assembly, 29 Circuits (25
Signal/4 Power) with Press-Fit Tails
Series Number : 171098
Status : Active
Product Category : Board-to-Board
Connectors



Documents & Resources


Drawings
[1710980002_sd.pdf](#)
[PK-172186-0002-001.pdf](#)

3D Models and Design Files
[1710980002_stp.zip](#)

Specifications
[PS-171097-1000-001.pdf](#)
[TS-171097-0001-001.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(2024)6225-DC (07 Nov 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	171098
Description	EXTreme EnergetiC Vertical Receptacle Assembly, 29 Circuits (25 Signal/4 Power) with Press-Fit Tails
Application	Board-to-Board, Power, Signal
Component Type	PCB Receptacle
Product Name	EXTreme EnergetiC
UPC	887191586748

Agency

UL	E29179
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Electrical

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

Physical

Circuits (Loaded)	29
Circuits (maximum)	29
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	19.568/g
Number of Rows	5
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.46mm, 2.83mm
PCB Retention	None
PCB Thickness - Recommended	1.58mm
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 - 4p
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)

Description	Part Number
EXTreme EnergetiC Right-Angle Plug Assemblies	<u>171097</u>

Application Tooling

Global

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

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