



Part Number : 1710970003

Series Number : 171097
Product Category : Board-to-Board
Connectors

Product Description : EXTreme EnergetiC
Right-Angle Plug Assembly, 27 Circuits (25
Signal/2 Power) with Solder Tail and Bolt
Mounting
Status : Active

Documents & Resources

Drawings
Drawing 1710970003_sd.pdf
Packaging Design Drawing PK-171097-0001-001.pdf

3D Models and Design Files
3D Model 1710970003_stp.zip

Specifications
Product Specification PS-171097-1000-001.pdf
Test Summary 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)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	171097
Description	EXTreme EnergetiC Right-Angle Plug Assembly, 27 Circuits (25 Signal/2 Power) with Solder Tail and Bolt Mounting
Application	Board-to-Board, Power, Signal
Component Type	PCB Header
Product Family	EXTreme EnergetiC High-Current Connector System
Product Name	EXTreme EnergetiC
UPC	887191586793

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	27
Circuits (maximum)	27
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Flammability	94V-0

Glow-Wire Capable	No
Guide to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	23.096/g
Number of Rows	5
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.71mm, 2.74mm
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 - 2p
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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 Vertical Receptacle Assemblies	<u>171098</u>
