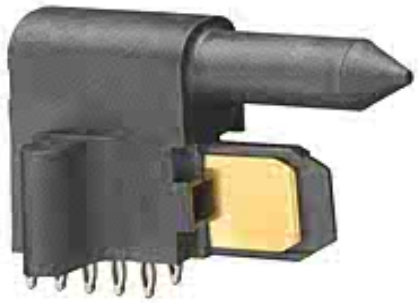
Part Number : 1720451001
Product Description : EXTreme OrthoPower Orthogonal Plug, 2 Blade, Circuit 1 Contact Length 7.61mm, PC Tail Length 3.26mm
Series Number : 172045
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

1720451001_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

AS-46436-100-001.pdf

PS-172047-1001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- 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	172045
Description	EXTreme OrthoPower Orthogonal Plug, 2 Blade, Circuit 1 Contact Length 7.61mm, PC Tail Length 3.26mm
Application	Board-to-Board, Power
Component Type	PCB Header
Product Name	EXTreme OrthoPower
UPC	887191431000

Agency

UL	E29179

Electrical

Current - Maximum per Contact	30.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No

Circuits (Loaded)	2
Circuits (maximum)	2
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	High Temperature Thermoplastic
Net Weight	4.538/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.58mm
PC Tail Length	3.26mm
Pitch - Mating Interface	N/A
Pitch - Termination Interface	3.50mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
EXTreme OrthoPower Orthogonal Receptacles	172047

Application Tooling

Global

Description	Part Number
Press-In Insertion Tool for EXTreme OrthoPower Plug Assemblies	622018886