Part Number : 457190007
Product Description : 12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments, 2.92mm Tail Length, Through Hole, Mates to 1.57mm Thick Card Edge or Bus Bar Tab
Series Number : 45719
Status : Active
Product Category : Card Edge Connectors



Documents and Resources

Drawings

457190007_sd.pdf

PK-45714-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-45719-001-001.pdf

TS-45844-001-001.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

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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	Card Edge Connectors
Series	45719
Description	12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments, 2.92mm Tail Length, Through Hole, Mates to 1.57mm Thick Card Edge or Bus Bar Tab
Component Type	Edgecard to PCB
Product Name	Bus Bar Socket,EXTreme PowerEdge
UPC	822348678594

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	40.0A
Data Rate	Unrated
High Power Bay (30.0A or more)	Yes

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Voltage - Maximum	250V

Physical

Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	50
Edge Card Thickness	1.57mm
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	5.200/g
Orientation	Vertical
Packaging Type	Tray
PCB Thickness - Recommended	1.57mm
PC Tail Length	2.92mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	4p - 0s
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	250

Mates With / Use With

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Mates with Part(s)

Description	Part Number
Mates With	1.57mm Double Sided Card Edge or Bus Bar Tab

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