



Part Number : 457190009

Product Description : 12.90mm Pitch EXTreme PowerEdge Connector, 4 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 & Resources

Drawings

Drawing 457190009\_sd.pdf

Packaging Design Drawing PK-45714-001-001.pdf

3D Models and Design Files

3D Model 457190009\_stp.zip


Specifications

Product Specification PS-45719-001-001.pdf

Test Summary TS-45844-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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

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### Part Details

#### General

Status	Active
Category	Card Edge Connectors
Series	45719
Description	12.90mm Pitch EXTreme PowerEdge Connector, 4 Segments, 2.92mm Tail Length, Through Hole, Mates to 1.57mm Thick Card Edge or Bus Bar Tab
Component Type	Edgecard to PCB
Product Family	Edge Card Connectors
Product Name	Bus Bar Socket,EXTreme PowerEdge
Standard Based	General
UPC	822348678570

#### Agency

CSA	LR19980
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#### Electrical

Current - Maximum per Contact	40.0A
Data Rate	Unrated
High Power Bay (30.0A or more)	Yes
Voltage - Maximum	250V

#### Physical

Circuit Size Range	1-64 Circuits
Circuits (Loaded)	8
Circuits (maximum)	8
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	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	10.000/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.92mm
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	8p - 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

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## Mates With / Use With

### Mates with Part(s)

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

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