



Part Number : [457190001](#)
Product Description : 12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments, 4.50mm 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
[457190001_sd.pdf](#)
[PK-45714-001-001.pdf](#)

3D Models and Design Files
[457190001_stp.zip](#)

Specifications
[PS-45719-001-001.pdf](#)
[TS-45844-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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	Card Edge Connectors
Series	45719
Description	12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments, 4.50mm 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
Standard Based	General
UPC	822348678358

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)	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	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.072/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Thickness - Recommended	2.36mm, 3.18mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
(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

Mates with Part(s)

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