



Part Number : [457140001](#)

Product Description : 12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments Thick Card Edge or Bus Bar Tab

Series Number : 45714

Status : Active

Product Category : Card Edge Connectors

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## Documents & Resources

### Drawings

[Drawing 457140001\\_sd.pdf](#)

[Packaging Design Drawing PK-45714-001-001.pdf](#)

### 3D Models and Design Files

[3D Model 457140001\\_stp.zip](#)

### Specifications


[Product Specification PS-45719-001-001.pdf](#)

[Test Summary TS-45844-001-001.pdf](#)

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## 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

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## Part Details

### General

Status	Active
Category	Card Edge Connectors
Series	45714
Description	12.90mm Pitch EXTreme PowerEdge Connector, 2 Segments 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	822348678327

### Agency

CSA	LR19980
UL	E29179

### 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)	200
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	5.100/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Thickness - Recommended	2.40mm
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 - Compliant Pin

### Solder Process Data

Lead-Free Process Capability	N/A
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge or Bus Bar Tab