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**Part Number:** [0457190001](#)  
**Status:** **Active**  
**Overview:** Edge Card Connectors  
**Description:** 12.90mm Pitch EXTreme PowerEdge™, Connector, 2 Segments Thick PC Board, Mates to a 1.57mm Thick Card Edge or Bus Bar Tab

**Documents:**

[3D Model](#) [Packaging Specification PK-45714-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
TUV R72090228

**General**

Product Family Edge Card Connectors  
Series [45719](#)  
Circuit Size Range 1-64 Circuits  
Component Type Edgecard to PCB  
Data Rate Unrated  
Edge Card Thickness 1.57mm  
High Power Bay (30.0A or more) Yes  
Orientation Vertical  
Overview [Edge Card Connectors](#)  
Product Name Bus Bar Socket, EXTreme PowerEdge™  
Standard Based General  
UPC 822348678358

**Physical**

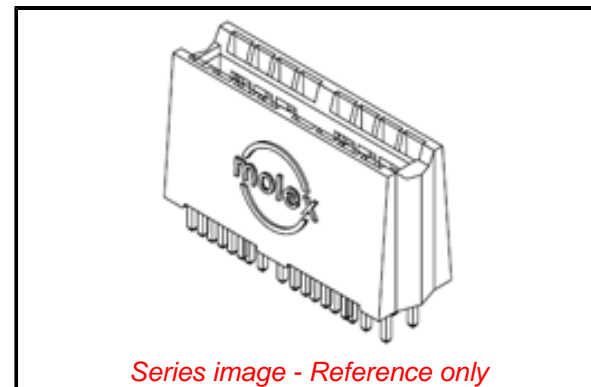
(p)ower-(s)ignal Configuration 4p - 0s  
Circuits (Loaded) 4  
Circuits (maximum) 4  
Color - Resin Black  
Durability (mating cycles max) 200  
Entry Angle Vertical (Top Entry)  
Flammability 94V-0  
Keying to Mating Part N/A  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 5.072/g  
PC Tail Length 4.50mm  
PCB Thickness - Recommended 3.20mm  
Packaging Type Tray  
Pitch - Mating Interface 12.90mm  
Plating min - Mating 0.762µm  
Plating min - Termination 2.540µm  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 40.0A  
Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
Lead-freeProcess Capability WAVE



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[45719 Series](#)

**Mates With**

1.58mm Double Sided Card Edge or Bus Bar Tab

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	250

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-45714-001
Sales Drawing	SD-45719-001

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