

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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 \(PDF\)](#)
[Product Specification PS-45719-001-001 \(PDF\)](#)

Agency Certification

CSA LR19980
TUV R72090228

General

Product Family Edge Card Connectors
Series [45719](#)
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

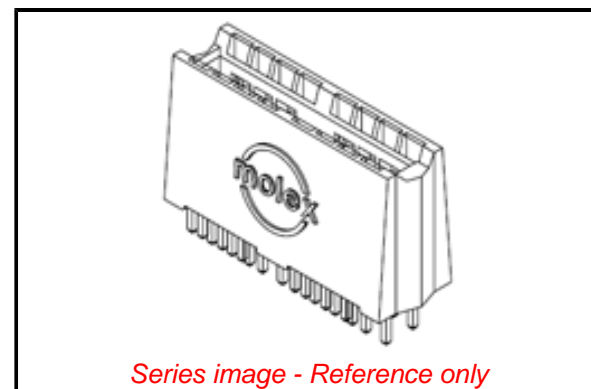
(p)ower-(s)ignal Configuration 4p - 0s
Circuit Size Range 1-64 Circuits
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Black
Durability (mating cycles max) 200
Entry Angle Vertical (Top Entry)
Flammability 94V-0
Keying to Mating Part N/A
Material - Metal High Performance Alloy (HPA)
Material - 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° 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant
REACH SVHC

Not Contained Per -
ED/71/2019 (16 July
2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45719 Series](#)

Mates With

1.58mm Double Sided Card Edge or Bus Bar Tab

Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	250

Material Info

Reference - Drawing Numbers

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

This document was generated on 10/11/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[45719-0001](#)