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Part Number: [0457190004](#)
Status: **Active**
Overview: [Edge Card Connectors](#)
Description: 12.90mm Pitch EXTreme PowerEdge, 2.36mm 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 45714
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 822348678365

Physical

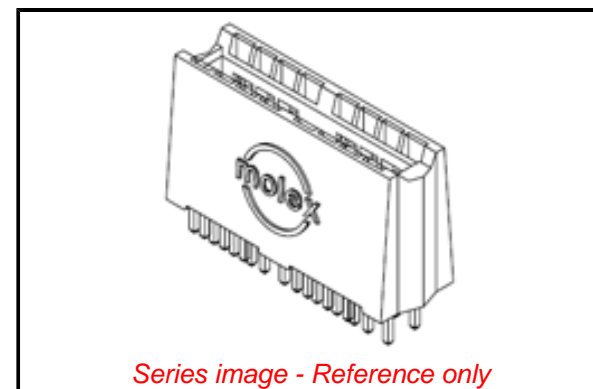
(p)ower-(s)ignal Configuration 4p - 0s
Circuit Size Range 1-64 Circuits
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Black
Durability (mating cycles max) 200
Entry Angle Vertical (Top Entry)
Flammability 94V-0
Keying to Mating Part N/A
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 5.200/g
PC Tail Length 3.63mm
PCB Thickness - Recommended 2.40mm
Packaging Type Tray
Pitch - Mating Interface 12.90mm
Plating min - Mating 0.762µm
Plating min - Termination 3.810µm
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

Lead-freeProcess Capability N/A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
2018)

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

45714 Series

Mates With

1.58mm Double Sided Card Edge or Bus Bar Tab

Material Info

Reference - Drawing Numbers

Packaging Specification
Sales Drawing

PK-45714-001
SD-45719-001

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