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Part Number: [0457140002](#)
Status: **Active**
Overview: [Edge Card Connectors](#)
Description: 12.90mm Pitch EXTreme PowerEdge™, Connector, 3 Segments 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
UL E29179

General

Product Family Edge Card Connectors
Series [45714](#)
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
MolexKits Yes
Orientation Vertical
Overview [Edge Card Connectors](#)
Product Name Bus Bar Socket, EXTreme PowerEdge™
Standard Based General
UPC 822348678334

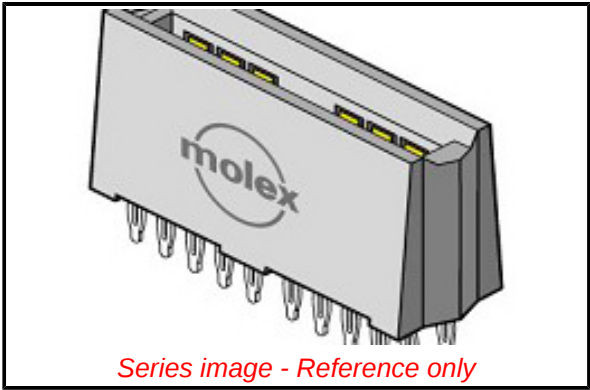
Physical

(p)ower-(s)ignal Configuration 6p - 0s
Circuits (Loaded) 6
Circuits (maximum) 6
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 7.511/g
PC Tail Length 4.50mm
PCB Thickness - Recommended 2.40mm
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 - Compliant Pin

Electrical

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

Solder Process Data



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

Halogen-Free

Status

Low-Halogen

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

Email 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

[45714 Series](#)

Mates With

1.58mm Double Sided Card Edge or Bus
Bar Tab

Lead-free	Process Capability	N/A
Material Info		
Reference - Drawing Numbers		
Packaging Specification		PK-45714-001
Sales Drawing		SD-45714-001

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