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Part Number: [0457140001](#)
Status: **Active**
Overview: Edge Card Connectors
Description: 12.90mm Pitch EXTreme PowerEdge, Connector, 2 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	822348678327

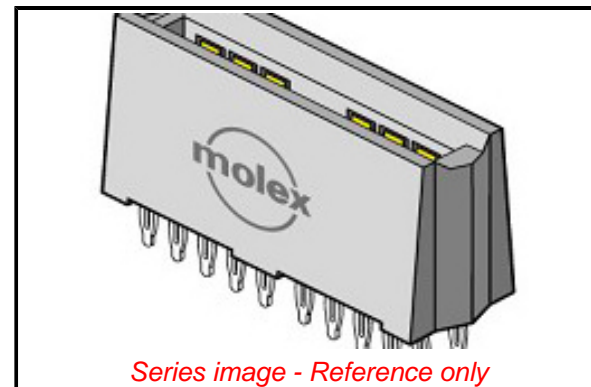
Physical

(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	5.100/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



EU ELV

Not Relevant

EU RoHS

Compliant

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-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-45714-001

Sales Drawing

SD-45714-001

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