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Part Number: [0459120027](#)
Status: **Active**
Overview: [Edge Card Connectors](#)
Description: 12.90mm Pitch EXTreme PowerEdge, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Press-Fit

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Edge Card Connectors
 Series [45912](#)
 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 EXTreme PowerEdge
 Standard Based General
 UPC 822350709941

Physical

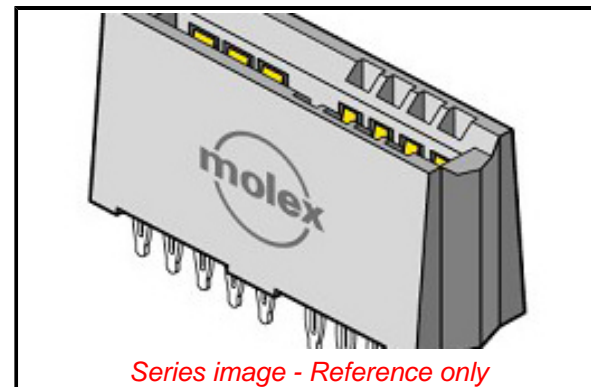
(p)ower-(s)ignal Configuration 2p - 2p - 8s - 8s
 Circuit Size Range 1-64 Circuits
 Circuits (Loaded) 20
 Circuits (maximum) 20
 Color - Resin Black
 Durability (mating cycles max) 250
 Entry Angle Vertical (Top Entry)
 Flammability 94V-0
 Keying to Mating Part N/A
 Material - Metal High Performance Alloy (HPA), Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 8.684/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 3.810µm
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 3.0A, 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/01/2018 (15
 January 2018)

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

[45912 Series](#)

Mates With

1.58mm Double Sided Card Edge

Material Info

Reference - Drawing Numbers

Packaging Specification
Sales Drawing

PK-45714-001
SD-45912-001

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