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Part Number: [0459110046](#)
Status: **Active**
Overview: Edge Card Connectors
Description: EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments Thick PC Board

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 [45911](#)
 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
 Orientation Vertical
 Overview [Edge Card Connectors](#)
 Product Name EXTreme PowerEdge™
 Standard Based General
 UPC 822350709781

Physical

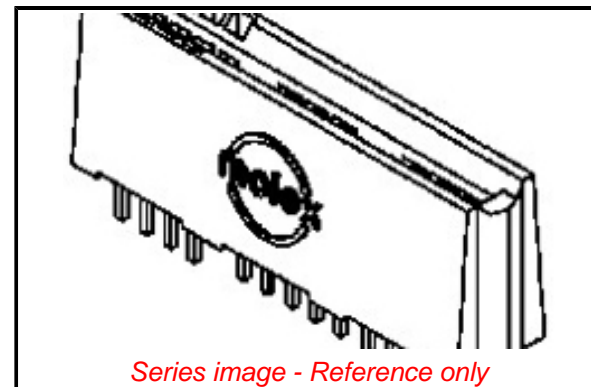
(p)ower-(s)ignal Configuration 8s - 2p - 2p - 8s
 Circuits (Loaded) 20
 Circuits (maximum) 20
 Color - Resin Black
 Durability (mating cycles max) 250
 Entry Angle Vertical (Top Entry)
 Flammability 94V-0
 Keying to Mating Part N/A
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 8.440/g
 PC Tail Length 3.19mm
 PCB Thickness - Recommended 1.57mm
 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

Electrical

Current - Maximum per Contact 3.0A, 40.0A
 Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
 Lead-freeProcess Capability WAVE



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2017 (12
 January 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

[45911 Series](#)

Mates With

1.58mm Double Sided Card Edge

Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	245

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-45714-001
Sales Drawing	SD-45911-001, SD-45911-002

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