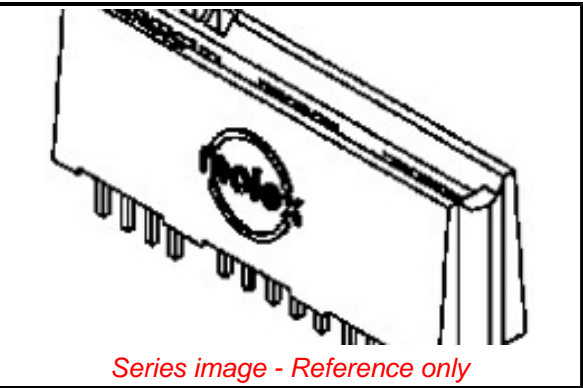


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**Part Number:** 0459110004  
**Status:** Active  
**Overview:** Edge Card Connectors  
**Description:** EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 2 Segments Thick PC Board



Series image - Reference only

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Packaging Specification PK-45714-001 \(PDF\)](#)  
[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 822350709460

Physical

(p)ower-(s)ignal Configuration 8s - 2p  
Circuits (Loaded) 10  
Circuits (maximum) 10  
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 4.336/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

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](mailto: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

This document was generated on 03/17/2017

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