



**Part Number :** 459110012

**Series Number :** 45911

**Product Category :** Card Edge Connectors

**Product Description :** EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 3 Segments or 3.18mm Thick PC Board

**Status :** Active

Documents & Resources


**Drawings**  
Drawing 459110012\_sd.pdf  
Packaging Design Drawing PK-45714-001-001.pdf

**3D Models and Design Files**  
3D Model 459110012\_stp.zip

**Specifications**  
Product Specification PS-45719-001-001.pdf  
Test Summary TS-45844-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	Card Edge Connectors
Series	45911
Description	EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 3 Segments or 3.18mm Thick PC Board
Component Type	Edgecard to PCB
Product Family	Edge Card Connectors
Product Name	EXTreme PowerEdge
Standard Based	General
UPC	822350702027

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	3.0A, 40.0A
Data Rate	Unrated
High Power Bay (30.0A or more)	Yes
Voltage - Maximum	250V

#### Physical

Circuit Size Range	1-64 Circuits
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	250
Edge Card Thickness	1.57mm

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	6.796/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Thickness - Recommended	3.18mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	8s - 2p - 2p
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	245

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge

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