



Part Number : [459110007](#)

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

Series Number : 45911

Status : Active

Product Category : Card Edge Connectors

---

## Documents & Resources

### Drawings

[Drawing 459110007\\_sd.pdf](#)

[Packaging Design Drawing PK-45714-001-001.pdf](#)

### 3D Models and Design Files

[3D Model 459110007\\_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

---

## 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	822350709477

### 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	2p - 2p - 8s
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

---

### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge