

Part Number : [459110001](#)

Product Description : EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 2 Segments or 3.18mm Thick PC Board

Series Number : 45911

Status : Active

Product Category : Card Edge Connectors

Documents & Resources

Drawings

[459110001_sd.pdf](#)

[PK-45714-001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


Specifications

[PS-45719-001-001.pdf](#)

[TS-45844-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	per SJ/T 11365-2006 
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

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Card Edge Connectors
Series	45911
Description	EXTreme PowerEdge Mixed Power/ Signal Card Edge Connector, Double Sided, 2 Segments or 3.18mm Thick PC Board
Component Type	Edgecard to PCB
Product Name	EXTreme PowerEdge
UPC	822350205672

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

Circuits (Loaded)	10
Circuits (maximum)	10
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	4.400/g
Orientation	Vertical
Packaging Type	Tray
PCB Thickness - Recommended	3.18mm
PC Tail Length	4.50mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	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
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Mates With	1.58mm Double Sided Card Edge
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