



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

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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge