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Part Number: [0459120011](#)
Status: **Active**
Overview: [Edge Card Connectors](#)
Description: 12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 3 Segments (Signal, Signal, Power, Sequence), Press-Fit

Documents:

3D Model	Packaging Specification PK-45714-001-001 (PDF)
3D Model (PDF)	Test Summary TS-45844-001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45719-001-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Edge Card Connectors
Series	45912
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	822350709910

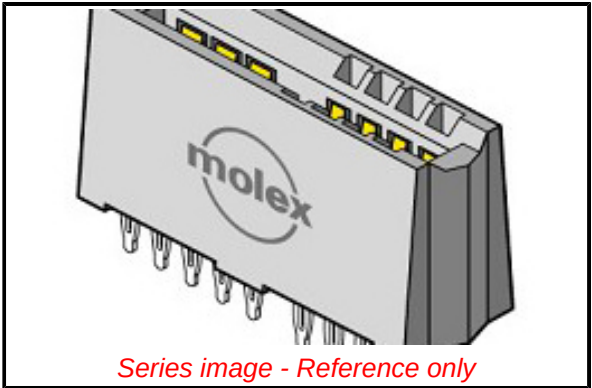
Physical

(p)ower-(s)ignal Configuration	8s - 8s - 2p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	250
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	6.267/g
PC Tail Length	4.50mm
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	3.0A, 40.0A
Voltage - Maximum	250V

Solder Process Data



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[45912 Series](#)

Mates With

1.58mm Double Sided Card Edge

Lead-free	Process Capability	N/A
Material Info		
Reference - Drawing Numbers		
Packaging Specification		PK-45714-001-001
Product Specification		PS-45719-001-001
Sales Drawing		SD-45912-001-001
Test Summary		TS-45844-001-001

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