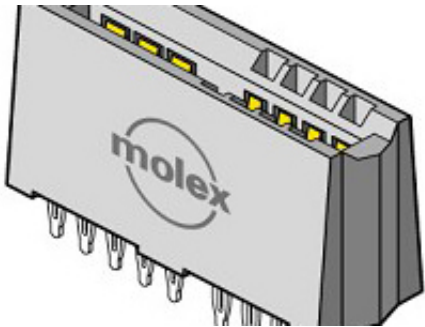




Part Number : [459120027](#)
Product Description : 12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Press-Fit
Series Number : 45912
Status : Active
Product Category : Card Edge Connectors



Documents & Resources

Drawings
[459120027_sd.pdf](#)
[PK-45714-001-001.pdf](#)

3D Models and Design Files
[459120027_stp.zip](#)

Specifications
[PS-45719-001-001.pdf](#)
[TS-45844-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
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	45912
Description	12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Press-Fit
Component Type	Edgecard to PCB
Product Name	EXTreme PowerEdge
Standard Based	General
UPC	822350709941

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)	20
Circuits (maximum)	20
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	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	8.684/g
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.50mm
PCB Thickness - Recommended	2.40mm
Pitch - Mating Interface	12.90mm
Plating min - Mating	0.762µm
Plating min - Termination	3.810µm
(p)ower-(s)ignal Configuration	2p - 2p - 8s - 8s
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge