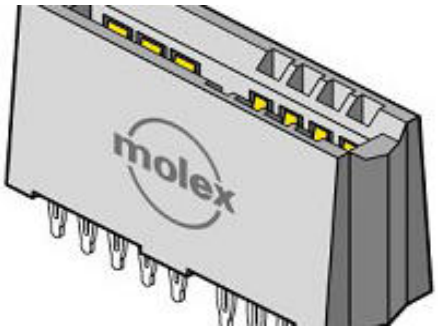


Part Number : 459120027
Product Description : 12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Press-Fit
Series Number : 45912
Status : Active
Product Category : Card Edge Connectors

Documents & Resources

Drawings

459120027_sd.pdf

PK-45714-001-001.pdf

3D Models and Design Files

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	Not Relevant
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(2025)4165-DC (25 June 2025)
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	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
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

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
PCB Thickness - Recommended	2.40mm
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 - 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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	1.58mm Double Sided Card Edge

This document was generated on Sep 24, 2025