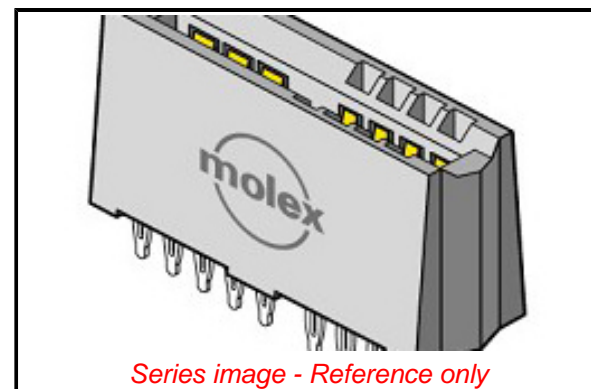


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0459120007](#)  
**Status:** **Active**  
**Overview:** [Edge Card Connectors](#)  
**Description:** 12.90mm Pitch EXTreme PowerEdge Mixed Power/Signal Card Edge Connector, Double Sided, 3 Segments (Power, Power, Signal Sequence), Press-Fit

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-45714-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-45844-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-45719-001-001 (PDF)</a>	



**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	<a href="#">Edge Card Connectors</a>
Product Name	EXTreme PowerEdge
Standard Based	General
UPC	822350709873

**Physical**

(p)ower-(s)ignal Configuration	2p - 2p - 8s
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	12
Circuits (maximum)	12
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	6.896/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 -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

45912 Series

**Mates With**

1.58mm Double Sided Card Edge

Lead-freeProcess 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

This document was generated on 01/24/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Standard Card Edge Connectors](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[CR7E-30DB-3.96E\(72\)](#) [6364499-1](#) [6565204-6](#) [PKC-156](#) [1437274-4](#) [147889-1](#) [1489165-4](#) [EBT15622B2X](#) [1-582587-1](#) [284-0102-12100](#)  
[286-0052-12101A](#) [306022901000000](#) [307-012-502-202](#) [307-056-520-300](#) [2129318-1](#) [245-062-520-350](#) [287-0032-12101](#) [306-028-525-102](#)  
[307-072-526-202](#) [345-060-559-303](#) [392-008-559-201](#) [534671-1](#) [341-240-317](#) [345-044-500-300](#) [346-240-318](#) [395-100-524-300](#) [09-07-2032](#)  
[10035388-802LF](#) [10115859-011LF](#) [10122859-009LF](#) [10127905-B04B24BLF](#) [530555-1](#) [5-678046-1](#) [73726-0005](#) [66308-1](#) [1-1437275-6](#)  
[PEC-07-02-T-S-A](#) [346-014-520-801](#) [307-048-502-202](#) [CE100F22-9-C](#) [CE100F26-7-C](#) [CE100F28-3-D](#) [CE156F18-9-C](#) [CE156F22-5-D](#)  
[CE156F22-9-C](#) [CT100F22-2-D](#) [CT100F22-3-D](#) [CT100F24-2-D](#) [CT100F24-3-D](#) [CT100F24-6-C](#)