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Part Number: [0768611000](#)
Status: **Active**
Overview: [EdgeLine® High Speed Connectors](#)
Description: EdgeLine® ESP Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 30.0A Power Module, 46 Circuits, 2 Power Circuits

Documents:

3D Model	Packaging Specification PK-170545-9000 (PDF)
Drawing (PDF)	Packaging Specification PK-76861-900 (PDF)
Product Specification PS-76861-100-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-76693-100-001 (PDF)	

Agency Certification

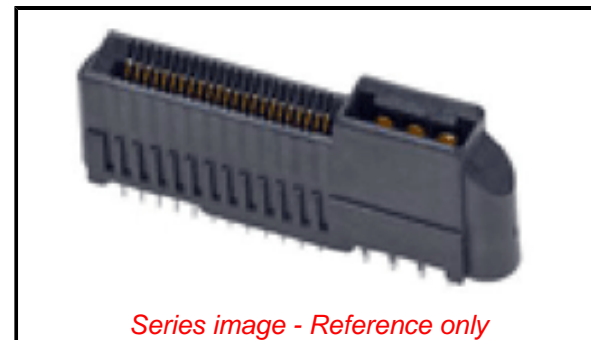
CSA	LR19980
UL	E29179

General

Product Family	Edge Card Connectors
Series	76861
Application Tooling Part Link	62100-6800
Application Tooling Part Link	62201-8734
Circuit Size Range	1-64 Circuits
Component Type	Edgecard to PCB
Data Rate	12.5-20.0 Gbps
Edge Card Thickness	1.57mm
High Power Bay (30.0A or more)	Yes
Orientation	Vertical
Overview	EdgeLine® High Speed Connectors
Product Name	EdgeLine®
Standard Based	General
UPC	883906574659

Physical

(p)ower-(s)ignal Configuration	46s - 2p
Circuits (Loaded)	46
Circuits (maximum)	48
Color - Resin	Black
Durability (mating cycles max)	200
Entry Angle	N/A
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.062/g
PCB Locator	No
PCB Thickness - Recommended	2.79mm
Packaging Type	Tray
Pitch - Mating Interface	0.80mm
Pitch - Termination Interface	0.80mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[76861](#) Series

Electrical

Current - Maximum per Contact
Voltage - Maximum

1.5A, 30.0A
250V AC (RMS)/DC

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

AS-76693-100-001

Packaging Specification

PK-170545-9000, PK-76861-900

Product Specification

PS-76861-100-001

Sales Drawing

SD-170545-1054, SD-76861-100

Symbol/Footprint Data

SYM-76861-1000

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