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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:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-76861-900-001 (PDF)</a>
<a href="#">Product Specification PS-76861-100-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-76861-1000-001 (PDF)</a>
<a href="#">Application Specification AS-76693-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-170545-9000-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**Application tooling part link**

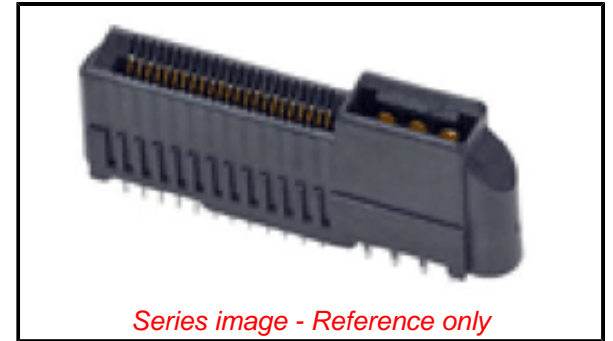
Application Tooling Part Link	62100-6800
Application Tooling Part Link	62201-8734

**General**

Product Family	Edge Card Connectors
Series	<a href="#">76861</a>
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	<a href="#">EdgeLine High-Speed Connectors</a>
Product Name	EdgeLine
Standard Based	General
Taxonomy	Card Edge Connectors
UPC	883906574659

**Physical**

(p)ower-(s)ignal Configuration	46s - 2p
Circuit Size Range	1-64 Circuits
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
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



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

[76861 Series](#)

Temperature Range - Operating -40° to +105°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 1.5A, 30.0A  
Voltage - Maximum 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-170545-9000-001, PK-76861-900-001  
Product Specification PS-76861-100-001  
Sales Drawing SD-76861-100-001  
Symbol/Footprint Data SYM-76861-1000-001

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