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**Part Number:** [76861-1000](#)  
**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](#) [Application Specification AS-76693-100 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-76861-100 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

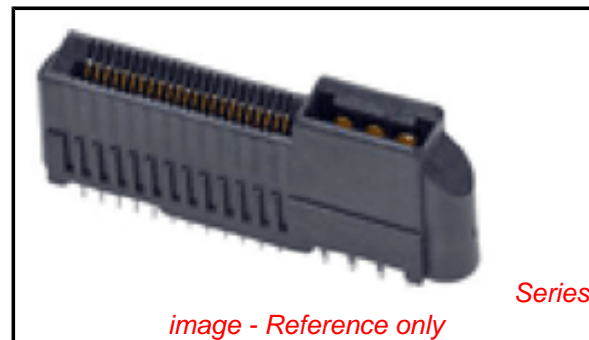
Product Family [Edge Card Connectors](#)  
 Series [76861](#)  
 Application Tooling Part Link [62100-6800](#)  
 Application Tooling Part Link [62201-8734](#)  
 Component Type [Edgecard to PCB](#)  
 High Power Bay (30A or more) [Yes](#)  
 Overview [EdgeLine® High Speed Connectors](#)  
 Product Name [EdgeLine®](#)  
 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 [Vertical](#)  
 Flammability [94V-0](#)  
 Keying to Mating Part [None](#)  
 Material - Metal [Copper Alloy](#)  
 Material - Plating Mating [Gold over Nickel](#)  
 Material - Plating Termination [Tin](#)  
 Material - Resin [High Temperature Thermoplastic](#)  
 Net Weight [5.062/g](#)  
 PC Tail Length [2.30mm](#)  
 PCB Locator [Yes](#)  
 PCB Retention [Yes](#)  
 PCB Thickness - Recommended [1.57mm](#)  
 Packaging Type [Tray](#)  
 Panel Mount [No](#)  
 Pitch - Mating Interface [0.80mm](#)  
 Pitch - Termination Interface [0.80mm](#)  
 Plating min - Mating [0.762µm](#)  
 Plating min - Termination [0.762µm](#)  
 Temperature Range - Operating [-40°C to +105°C](#)  
 Termination Interface: Style [Press-Fit](#)

**Electrical**

Current - Maximum per Contact [30A](#)  
 Voltage - Maximum [250V AC \(RMS\)/DC](#)



**EU RoHS**

**ELV and RoHS  
 Compliant  
 REACH SVHC  
 Contains SVHC: No  
 Low-Halogen Status  
 Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[76861Series](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
Removal Tool	<a href="#">0621006800</a>
Press-In Tool for 46 Circuit Assemblies	<a href="#">0622018734</a>

## Material Info

### Reference - Drawing Numbers

Application Specification  
Product Specification  
Sales Drawing

AS-76693-100  
PS-76861-100  
SD-170545-1054, SD-76861-100

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