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**Part Number:** [76691-1046](#)  
**Status:** **Active**  
**Overview:** [EdgeLine® High Speed Connectors](#)  
**Description:** [EdgeLine® 12.5 Gbps Edge Card Connector, 46 Circuits](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76693-101 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-75594-001 (PDF)</a>
<a href="#">Product Specification PS-75594-999 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-76693-100 (PDF)</a>	



Series

image - Reference only

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Edge Card Connectors
Series	<a href="#">76691</a>
Application Tooling Part Link	62201-8736
Component Type	Edgecard to PCB
Overview	<a href="#">EdgeLine® High Speed Connectors</a>
Product Name	EdgeLine®
UPC	884982197121


**Physical**

(p)ower-(s)ignal Configuration	46s - 0p
Circuits (Loaded)	46
Circuits (maximum)	46
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	3.419/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	Through Hole

**Electrical**

Current - Maximum per Contact	1.52A
Voltage - Maximum	250V AC

**Material Info**

<b>EU RoHS</b> <b>ELV and RoHS</b> <b>Compliant</b> <b>REACH SVHC</b> Not Reviewed <b>Low-Halogen Status</b> <b>Low-Halogen</b>	<b>China RoHS</b> 
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**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**

[76691Series](#)

**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 #
Press-In Tool for 12.5 Gbps Edge Card Connector	<a href="#">0622018736</a>

## Reference - Drawing Numbers

Application Specification

Product Specification

Sales Drawing

Test Summary

AS-76693-100, AS-76693-101

PS-75594-999

SD-76691-100, SD-76691-107

TS-75594-001

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