

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [76291-0226](#)  
**Status:** **Active**  
**Overview:** [EdgeLine® High Speed Connectors](#)  
**Description:** [EdgeLine® 12.5 Gbps CoPlanar Connector, 226 Circuits](#)

**Documents:**  
[3D Model](#) [Application Specification AS-76291-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Application Specification AS-76291-002 \(PDF\)](#)  
[Product Specification PS-76291-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Product Family                | Edge Card Connectors                            |
| Series                        | <a href="#">76291</a>                           |
| Application Tooling Part Link | <a href="#">62100-7400</a>                      |
| Application Tooling Part Link | <a href="#">62202-2802</a>                      |
| Application Tooling Part Link | <a href="#">62202-2803</a>                      |
| Component Type                | Edgecard to PCB                                 |
| Overview                      | <a href="#">EdgeLine® High Speed Connectors</a> |
| Product Name                  | EdgeLine®                                       |
| UPC                           | 883906112769                                    |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 226s - 0p                      |
| Circuits (Loaded)              | 226                            |
| Circuits (maximum)             | 226                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| Entry Angle                    | Vertical                       |
| 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                     | 28.633/g                       |
| PC Tail Length                 | 2.04mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm                         |
| Packaging Type                 | Tray                           |
| Panel Mount                    | No                             |
| Pitch - Mating Interface       | 0.75mm                         |
| Pitch - Termination Interface  | 0.75mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 0.762µm                        |
| Temperature Range - Operating  | -40°C to +85°C                 |
| Termination Interface: Style   | Through Hole                   |

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 1.5A            |
| Voltage - Maximum             | 50V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                           |                            |
|---------------------------|----------------------------|
| Application Specification | AS-76291-001, AS-76291-002 |
| Product Specification     | PS-76291-001               |
| S-Parameter Model         | SP-76291-0002              |



image - Reference only

Series

**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**  
[76291Series](#)

**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 for 12.5 Gbps Coplanar  | <a href="#">0621007400</a> |
| Press-In Tool for 12.5 Gbps Coplanar | <a href="#">0622022802</a> |
| Press-In Tool for 12.5 Gbps Coplanar | <a href="#">0622022803</a> |

This document was generated on 10/10/2013

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