

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0768611120](#)
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, 54 Circuits, 2 Power Circuits

Documents:

3D Model	Application Specification AS-76693-100-001 (PDF)
3D Model (PDF)	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)

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

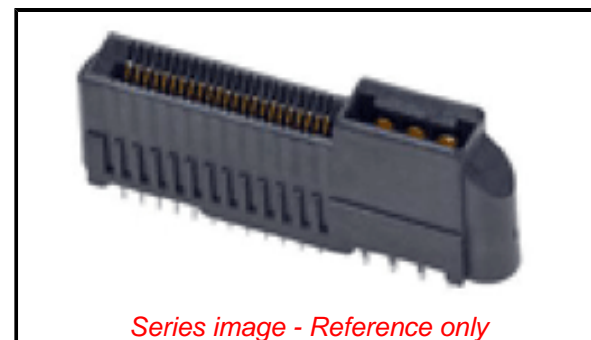
Application Tooling Part Link	62100-6800
-------------------------------	------------

General

Product Family	Edge Card Connectors
Series	76861
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	884982050242

Physical

(p)ower-(s)ignal Configuration	54s - 1p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	54
Circuits (maximum)	56
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	5.550/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° 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/71/2019 (16 July 2019)

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](#)

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

[621006800](#)

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-76861-1130, SD-76861-120

Symbol/Footprint Data

SYM-76861-1120

This document was generated on 01/20/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Standard Card Edge Connectors](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[CR7E-30DB-3.96E\(72\)](#) [6364499-1](#) [6565204-6](#) [PKC-156](#) [1437274-4](#) [147889-1](#) [1489165-4](#) [EBT15622B2X](#) [1-582587-1](#) [284-0102-12100](#)
[286-0052-12101A](#) [306022901000000](#) [307-012-502-202](#) [307-056-520-300](#) [2129318-1](#) [245-062-520-350](#) [287-0032-12101](#) [306-028-525-102](#)
[307-072-526-202](#) [345-060-559-303](#) [392-008-559-201](#) [534671-1](#) [341-240-317](#) [345-044-500-300](#) [346-240-318](#) [395-100-524-300](#) [09-07-2032](#)
[10035388-802LF](#) [10122859-009LF](#) [10127905-B04B24BLF](#) [530555-1](#) [5-678046-1](#) [73726-0005](#) [66308-1](#) [1-1437275-6](#) [PEC-07-02-T-S-A](#)
[346-014-520-801](#) [307-048-502-202](#) [CE100F22-9-C](#) [CE100F26-7-C](#) [CE100F28-3-D](#) [CE156F18-9-C](#) [CE156F22-5-D](#) [CE156F22-9-C](#)
[CT100F22-2-D](#) [CT100F22-3-D](#) [CT100F24-2-D](#) [CT100F24-3-D](#) [CT100F24-6-C](#) [CT156F22-4-D](#)