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Part Number: [0766931170](#)
Status: **Active**
Overview: [EdgeLine High-Speed Connectors](#)
Description: EdgeLine Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 2.36mm PCB Thickness, 170 Circuits

Documents:
[Drawing \(PDF\)](#) [Application Specification AS-76693-101-001 \(PDF\)](#)
[Product Specification PS-75594-999-001 \(PDF\)](#) [Packaging Specification PK-76693-900 \(PDF\)](#)
[Application Specification AS-76693-100-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
Application tooling part link	
Application Tooling Part Link	62100-8700
Application Tooling Part Link	62201-8737
General	
Product Family	Edge Card Connectors
Series	76693
Component Type	Edgecard to PCB
Data Rate	12.5-20.0 Gbps
Edge Card Thickness	2.36mm
High Power Bay (30.0A or more)	No
Orientation	Vertical
Overview	EdgeLine High-Speed Connectors
Product Name	EdgeLine
Standard Based	General
UPC	883906542375
Physical	
(p)ower-(s)ignal Configuration	170s - 0p
Circuit Size Range	65-200 Circuits
Circuits (Loaded)	170
Circuits (maximum)	170
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	7.115/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 China ROHS ELV RoHS Phthalates
	Green Image Not Relevant Not Contained

Search Parts in this Series
[76693 Series](#)

Application Tooling FAQ <i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i> Global	
Description	Product #
Removal Tool for 12.5 Gbps Module, 170 Circuits	621008700
Press-In Tool for 12.5 Gbps Coplanar	622018737

Electrical

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

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-76693-100-001, AS-76693-101-001
Packaging Specification	PK-76693-900
Product Specification	PS-75594-999-001
S-Parameter Model	SP-170545-0001, SP-170545-0002
Signal Integrity Report	SI-170545-0001
Symbol/Footprint Data	SYM-76693-1170

This document was generated on 01/20/2020

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