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Part Number: [1706731046](#)
Status: **Active**
Overview: [EdgeLine High Speed Connectors](#)
Description: EdgeLine Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 1 Bay, 46 Circuits

Documents:

3D Model	Application Specification AS-76693-101-001 (PDF)
Drawing (PDF)	Packaging Specification PK-76693-900 (PDF)
Product Specification PS-75594-999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-76693-100-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Edge Card Connectors
Series	170673
Application Tooling Part Link	62201-8736
Component Type	Edgecard to PCB
Data Rate	12.5-20.0 Gbps
Edge Card Thickness	1.57mm
High Power Bay (30.0A or more)	No
Orientation	Vertical
Overview	EdgeLine High Speed Connectors
Product Name	EdgeLine
Standard Based	General
UPC	884982404588

Physical

(p)ower-(s)ignal Configuration	46s - 0p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	46
Circuits (maximum)	46
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 over Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.420/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°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[170673 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 #
Press-In Tool for 12.5 Gbps Edge Card Connector	0622018736

Current - Maximum per Contact 1.5A
Voltage - Maximum 250V AC

Solder Process Data

Lead-free Process Capability N/A

Material Info

Reference - Drawing Numbers

Application Specification AS-76693-100-001, AS-76693-101-001
Electrical Model Document 1706730002-000
Packaging Specification PK-76693-900
Product Specification PS-75594-999-001
Sales Drawing SD-170673-0001, SD-170673-1046
Symbol/Footprint Data SYM-170673-1046

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