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**Part Number:** [1717742118](#)  
**Status:** **Active**  
**Overview:** EdgeLine® High Speed Connectors  
**Description:** EdgeLine® 25 Vertical Connector, 25 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 2 Bays, 118 Circuits, 20 Differential Pairs, Tube

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-171774-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-171774-0004-001 (PDF)</a>
<a href="#">Product Specification PS-171774-0001-001 (PDF)</a>	<a href="#">Packaging Specification PK-171812-1000 (PDF)</a>
<a href="#">Product Specification TS-171774-0004-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Edge Card Connectors
Series	<a href="#">171774</a>
Circuit Size Range	65-200 Circuits
Component Type	Edgecard to PCB
Data Rate	More than 20.0 Gbps
Edge Card Thickness	1.57mm
Electrical Model	Yes
High Power Bay (30.0A or more)	No
Orientation	Vertical
Overview	<a href="#">EdgeLine® High Speed Connectors</a>
Packaging Alternative	<a href="#">171774-1118 (Tray)</a>
Product Name	EdgeLine®
Standard Based	General
UPC	887191255330

**Physical**

(p)ower-(s)ignal Configuration	118s – 0p
Circuits (Loaded)	118
Circuits (maximum)	118
Color - Resin	Black
Durability (mating cycles max)	25
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	6.273/g
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.79mm
Packaging Type	Tube
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	Surface Mount

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[171774 Series](#)

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 003  
Lead-free Process Capability REFLOW  
Max. Cycles at Max. Process Temperature 002  
Process Temperature max. C 260

**Material Info****Reference - Drawing Numbers**

Application Specification AS-171774-0001-001, AS-171774-0004-001  
Electrical Model Document EE-171774-0004, EE-171774-0007  
Packaging Specification PK-171812-1000  
Product Specification PS-171774-0001-001, TS-171774-0004-001  
S-Parameter Model SP-171774-0001, SP-171774-0002, SP-171774-0003,  
SP-171774-0004, SP-171774-0005, SP-171774-0006,  
SP-171774-0007, SP-171774-0008, SP-171774-0009,  
SP-171774-0010  
Sales Drawing SD-171774-2118  
Symbol/Footprint Data SYM-171774-2118

This document was generated on 03/06/2017

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