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**Part Number:** [1717742146](#)  
**Status:** **Active**  
**Overview:** [EdgeLine High-Speed Connectors](#)  
**Description:** EdgeLine 25 Vertical Connector, 25 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 2 Bays, 146 Circuits, 34 Differential Pairs, Tube

**Documents:**

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

**General**

Product Family	Edge Card Connectors
Series	<a href="#">171774</a>
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="#">1717740146 (Tray)</a>
Product Name	EdgeLine
Standard Based	General
UPC	887191467085

**Physical**

(p)ower-(s)ignal Configuration	146s - 0p
Circuit Size Range	65-200 Circuits
Circuits (Loaded)	146
Circuits (maximum)	146
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	N/A
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	6.942/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° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

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



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**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**

[171774 Series](#)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
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
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-171774-2146
Symbol/Footprint Data	SYM-171774-2146
Test Summary	TS-171774-0004-001

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