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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:

3D Model	Application Specification AS-171774-0004-001 (PDF)
Drawing (PDF)	Packaging Specification PK-171812-1000 (PDF)
3D Model (PDF)	Test Summary TS-171774-0004-001 (PDF)
Product Specification PS-171774-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171774-0001-001 (PDF)	

General

Product Family	Edge Card Connectors
Series	171774
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	EdgeLine High-Speed Connectors
Packaging Alternative	1717740146 (Tray)
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 -
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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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