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Part Number: [1720503178](#)
Status: **Active**
Overview: [EdgeLine High-Speed Connectors](#)
Description: EdgeLine+ ESP Vertical Connector, 15 Gbps, 0.75mm Pitch, 1.57mm PCB Thickness, 50.0A Power Module, 178 Circuits, 2 Power Circuits

Documents:

3D Model	Application Specification AS-172050-0001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-172052-1000 (PDF)
Product Specification PS-172050-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

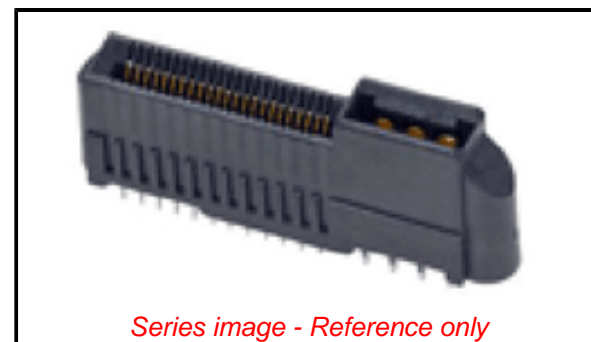
Product Family	Edge Card Connectors
Series	172050
Component Type	Edgecard to PCB
Data Rate	12.5-20.0 Gbps
Edge Card Thickness	1.57mm
High Power Bay (30.0A or more)	Yes
Orientation	Vertical
Overview	EdgeLine High-Speed Connectors
Product Name	EdgeLine
Standard Based	General
UPC	887191649726

Physical

(p)ower-(s)ignal Configuration	174s - 0p
Circuit Size Range	65-200 Circuits
Circuits (Loaded)	178
Circuits (maximum)	178
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	9.323/g
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.79mm
Packaging Type	Tube
Pitch - Mating Interface	0.75mm
Pitch - Termination Interface	0.75mm
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	3.0A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

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

[172050 Series](#)

Voltage - Maximum 250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
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-172050-0001-001
Electrical Model Document 1720500002-000, 1720500003-000, 1720500004-000
Packaging Specification PK-172052-1000
Product Specification PS-172050-0001-001
Sales Drawing SD-172050-3178
Symbol/Footprint Data SYM-172050-3178

This document was generated on 07/25/2019

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