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Part Number: [1720503064](#)
Status: **Active**
Overview: [EdgeLine High-Speed Connectors](#)
Description: EdgeLine+ ESP Vertical Connector, 15 Gbps, 0.75mm Pitch, 1.57mm PCB Thickness, 40.0A Power Module, 64 Circuits, 2 Power Circuits

Documents:

3D Model	Application Specification AS-172050-0001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-172052-1000-001 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-172050-3064-001 (PDF)
Product Specification PS-172050-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

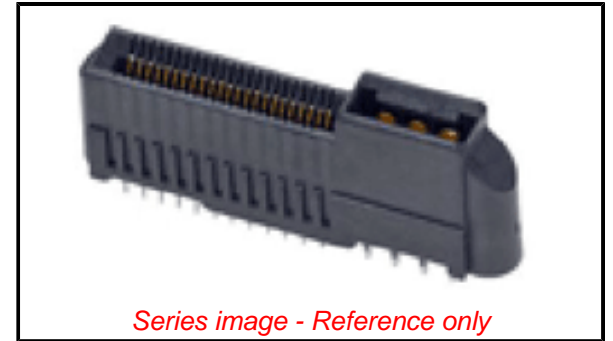
General

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
Taxonomy	Card Edge Connectors
UPC	887191487137

Physical

(p)ower-(s)ignal Configuration	64s - 0p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	200
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	6.215/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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](#)

Current - Maximum per Contact	1.5A, 40.0A
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	1720500004-000
Packaging Specification	PK-172052-1000-001
Product Specification	PS-172050-0001-001
S-Parameter Model	1720500004-000
Sales Drawing	SD-172050-1064-001
Symbol/Footprint Data	SYM-172050-3064-001

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