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Part Number: 172050-3178

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

Series

image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-172050-0001 (PDF)
Application Specification AS-172050-0001 (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
Overview	EdgeLine® High Speed Connectors
Product Name	EdgeLine®
UPC	887191649726

Physical

(p)ower-(s)ignal Configuration	174s - 0p
Circuits (Loaded)	178
Circuits (maximum)	178
Color - Resin	Black
Durability (mating cycles max)	200
Entry Angle	Vertical
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	10.137/g
PC Tail Length	2.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	0.75mm
Pitch - Termination Interface	0.75mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
172050Series

Material Info

Reference - Drawing Numbers

Application Specification	AS-172050-0001
Product Specification	PS-172050-0001
Sales Drawing	SD-172050-3178

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