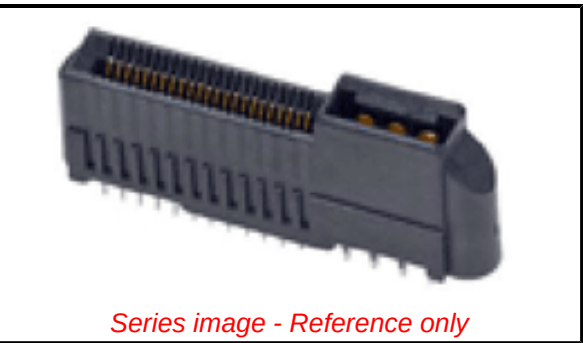


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Part Number: [1510413056](#)
Status: **Active**
Overview: [EdgeLine® High Speed Connectors](#)
Description: EdgeLine®+ ESP Vertical Connector, 15 Gbps, 0.75mm Pitch, 1.57mm PCB Thickness, 50.0A Power Module, 56 Circuits



Documents:	
3D Model	Application Specification AS-172050-0001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-172052-1000 (PDF)
Product Specification PS-151041-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Edge Card Connectors
Series	151041
Circuit Size Range	1-64 Circuits
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	887191615035
Physical	
(p)ower-(s)ignal Configuration	54s - 1p
Circuits (Loaded)	56
Circuits (maximum)	56
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	6.649/g
PCB Locator	Yes
PCB Retention	Yes
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°C to +105°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	3.0A, 50.0A
Voltage - Maximum	250V AC (RMS)/DC

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per	
-ED/01/2017 (12	
January 2017)	
Halogen-Free	
Status	
Low-Halogen	
Need more information on product environmental compliance?	
Email productcompliance@molex.com	
Please visit the Contact Us section for any non-product compliance questions.	
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[151041](#) Series

Solder Process Data

Duration at Max. Process Temperature (seconds)	040
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	265

Material Info

Reference - Drawing Numbers

Application Specification	AS-172050-0001-001
Packaging Specification	PK-172052-1000
Product Specification	PS-151041-0001-001
Sales Drawing	SD-151041-3056
Symbol/Footprint Data	SYM-151041-3056

This document was generated on 03/07/2017

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