

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0768611000

Status:

Active

Overview:

EdgeLine High-Speed Connectors

Description:

EdgeLine ESP Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 30.0A Power Module, 46 Circuits, 2 Power Circuits



Documents:

Drawing (PDF)

Product Specification PS-76861-100-001 (PDF)

Application Specification AS-76693-100-001 (PDF)

Packaging Specification PK-170545-9000-001 (PDF)

Packaging Specification PK-76861-900-001 (PDF)

Symbol Footprint Data SYM-76861-1000-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
Application tooling part link	
Application Tooling Part Link	62100-6800
Application Tooling Part Link	62201-8734
General	
Product Family	Edge Card Connectors
Series	76861
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	883906574659
Physical	
(p)ower-(s)ignal Configuration	46s - 2p
Circuit Size Range	1-64 Circuits
Circuits (Loaded)	46
Circuits (maximum)	48
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
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.062/g
PCB Locator	No
PCB Thickness - Recommended	2.79mm
Packaging Type	Tray
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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

76861 Series

Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	1.5A, 30.0A
Voltage - Maximum	250V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-76693-100-001
Packaging Specification	PK-170545-9000-001, PK-76861-900-001
Product Specification	PS-76861-100-001
Sales Drawing	SD-170545-1054-001, SD-76861-100-001
Symbol/Footprint Data	SYM-76861-1000-001

This document was generated on 02/07/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION