Part Number : 768611000
Product Description : EdgeLine ESP Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 30.0A Power Module, 46 Circuits, 2 Power Circuits
Series Number : 76861
Status : Obsolete
Product Category : Card Edge Connectors



Obsolete

Documents & Resources

Drawings

768611000_sd.pdf

PK-170545-9000-001.pdf

SYM-76861-1000-001.zip

Specifications

AS-76693-100-001.pdf

PS-76861-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Obsolete
Category	Card Edge Connectors
Series	76861
Description	EdgeLine ESP Vertical Connector, 12.5 Gbps, 0.80mm Pitch, 1.57mm PCB Thickness, 30.0A Power Module, 46 Circuits, 2 Power Circuits
Component Type	Edgecard to PCB
Product Name	EdgeLine
UPC	883906574659

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.5A, 30.0A
Data Rate	12.5-20.0 Gbps
High Power Bay (30.0A or more)	Yes
Voltage - Maximum	250V AC (RMS)/DC

Physical

Circuits (Loaded)	46
Circuits (maximum)	48

Obsolete

Color - Resin	Black
Durability (mating cycles max)	200
Edge Card Thickness	1.57mm
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
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Thickness - Recommended	2.79mm
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
(p)ower-(s)ignal Configuration	46s - 2p
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A

Obsolete

Application Tooling