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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) | Packaging Specification PK-76861-900-001 (PDF) |
| Product Specification PS-76861-100-001 (PDF) | Symbol Footprint Data SYM-76861-1000-001 (PDF) |
| Application Specification AS-76693-100-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Packaging Specification PK-170545-9000-001 (PDF) | |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Application tooling part link

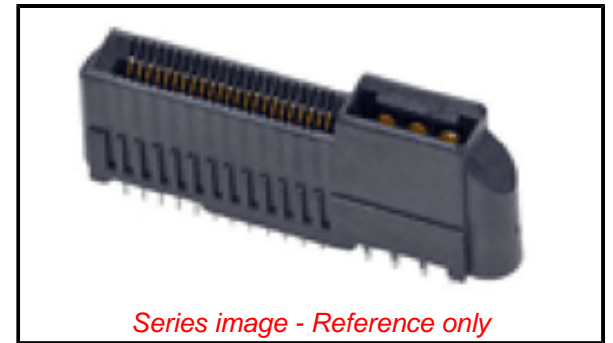
| | |
|-------------------------------|------------|
| Application Tooling Part Link | 62100-6800 |
| Application Tooling Part Link | 62201-8734 |

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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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-free Process 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

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