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Part Number: [1720503178](#)
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

Documents:

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

Agency Certification

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

General

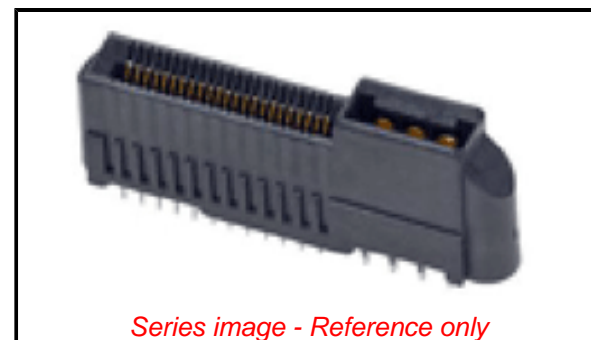
| | |
|--------------------------------|--|
| Product Family | Edge Card Connectors |
| Series | 172050 |
| Component Type | Edgecard to PCB |
| Data Rate | 12.5-20.0 Gbps |
| Edge Card Thickness | 1.57mm |
| High Power Bay (30.0A or more) | Yes |
| Orientation | Vertical |
| Overview | EdgeLine High-Speed Connectors |
| Product Name | EdgeLine |
| Standard Based | General |
| UPC | 887191649726 |

Physical

| | |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 174s - 0p |
| Circuit Size Range | 65-200 Circuits |
| Circuits (Loaded) | 178 |
| Circuits (maximum) | 178 |
| 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 | 9.323/g |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 2.79mm |
| 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° to +105°C |
| Termination Interface: Style | Surface Mount |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
|-------------------------------|------|



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

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

[172050 Series](#)

Voltage - Maximum 250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
Lead-free Process Capability REFLOW
Max. Cycles at Max. Process Temperature 002
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Application Specification AS-172050-0001-001
Electrical Model Document 1720500002-000, 1720500003-000, 1720500004-000
Packaging Specification PK-172052-1000
Product Specification PS-172050-0001-001
Sales Drawing SD-172050-3178
Symbol/Footprint Data SYM-172050-3178

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