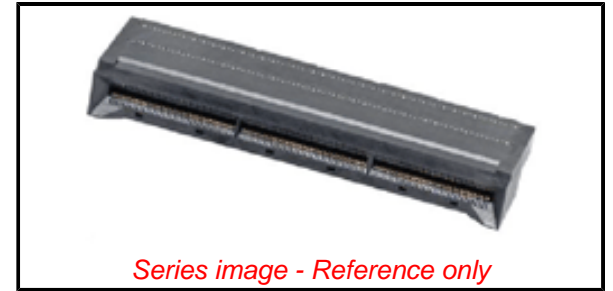


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Part Number: [1700820216](#)
Status: **Active**
Overview: [EdgeLine High-Speed Connectors](#)
Description: EdgeLine CoPlanar+ Connector, 15 Gbps, 0.80mm Pitch, 2.36mm PCB Thickness, 216 Circuits



Documents:

| | |
|--|--|
| 3D Model | Application Specification AS-170305-0002-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-170082-0001-001 (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-170082-0216 (PDF) |
| Product Specification PS-170305-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-170305-0001-001 (PDF) | |

Application tooling part link

| | |
|-------------------------------|------------|
| Application Tooling Part Link | 62100-0600 |
| Application Tooling Part Link | 62202-2803 |

General

| | |
|--------------------------------|--|
| Product Family | Edge Card Connectors |
| Series | 170082 |
| Component Type | Edgecard to PCB |
| Data Rate | 12.5-20.0 Gbps |
| Edge Card Thickness | 2.36mm |
| Electrical Model | Yes |
| High Power Bay (30.0A or more) | No |
| Orientation | Coplanar |
| Overview | EdgeLine High-Speed Connectors |
| Product Name | EdgeLine |
| Standard Based | General |
| UPC | 884982519978 |

Physical

| | |
|--------------------------------|--------------------------------|
| (p)ower-(s)ignal Configuration | 216s - 0p |
| Circuit Size Range | 201-294 Circuits |
| Circuits (Loaded) | 216 |
| Circuits (maximum) | 216 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| Entry Angle | N/A |
| 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 | 36.603/g |
| PCB Locator | No |
| PCB Thickness - Recommended | 2.79mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 2.35mm |
| 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 +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per
-ED/88/2018 (15
January 2019)

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

[170082](#) Series

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

| | |
|--------------------|---------------------------|
| 10GB FRU Coplanar | 621000600 |
| Extraction Tool | |
| Press-In Tool for | 622022803 |
| 12.5 Gbps Coplanar | |

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum | 250V AC (RMS)/DC |

Solder Process Data

| | |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|--|
| Application Specification | AS-170305-0001-001, AS-170305-0002-001 |
| Electrical Model Document | EE-170082-0001 |
| Packaging Specification | PK-170082-0001-001 |
| Product Specification | PS-170305-0001-001 |
| S-Parameter Model | SP-170082-0001 |
| Sales Drawing | SD-170082-0216 |
| Symbol/Footprint Data | SYM-170082-0216 |

This document was generated on 05/20/2020

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