

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1703050118](#)  
**Status:** **Active**  
**Overview:** [EdgeLine High-Speed Connectors](#)  
**Description:** EdgeLine CoPlanar+ ESP Connector, 15 Gbps, 0.80mm Pitch, 2.36mm PCB Thickness, 118 Circuits, 30.0A Power Module

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-170305-0002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-170305-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-170305-0001-001 (PDF)</a>
<a href="#">Product Specification PS-170305-0001-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-170305-0118 (PDF)</a>
<a href="#">Application Specification AS-170305-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**Application tooling part link**

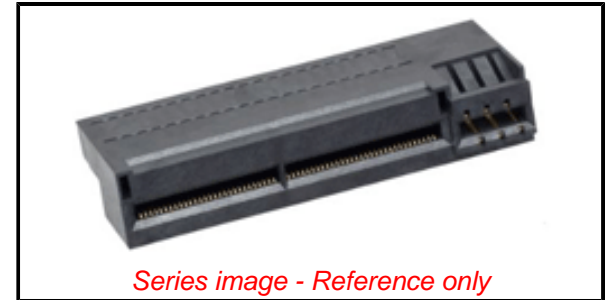
Application Tooling Part Link 62100-9400  
 Application Tooling Part Link 62202-2801

**General**

Product Family Edge Card Connectors  
 Series [170305](#)  
 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 887191168760

**Physical**

(p)ower-(s)ignal Configuration 118s – 0p  
 Circuit Size Range 65-200 Circuits  
 Circuits (Loaded) 118  
 Circuits (maximum) 118  
 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 25.145/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 +105°C



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ECHA\_01\_2020 (16  
 January 2020

**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**

[170305](#) 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 #**

10Gigabit FRU	<a href="#">621009400</a>
Coplanar Extraction Tool	
Press-In Tool	<a href="#">622022801</a>

Termination Interface: Style

Through Hole - Compliant Pin

**Electrical**

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-170305-0001-001

Product Specification

PS-170305-0001-001

S-Parameter Model

SP-170082-0001

Sales Drawing

SD-170305-0118

Symbol/Footprint Data

SYM-170305-0118

Test Summary

TS-170305-0001-001

This document was generated on 05/20/2020

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