

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

**Part Number:** [1719901038](#)  
**Status:** **Active**  
**Overview:** Impel™ Backplane Connector and Cable Assembly Systems  
**Description:** Impel™ 92 Ohm, 3 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 48 Circuits, Plated Through Hole Dimension 0.36mm

**Documents:**

[3D Model](#) [Application Specification AS-171320-992 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [171990](#)  
 Application Coplanar, Daughtercard  
 Component Type PCB Receptacle  
 Overview [Impel™ Backplane Connector and Cable Assembly Systems](#)  
 Product Name Impel™  
 UPC 887191383712

**Physical**

Circuits (Loaded) 48  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Nickel, Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 14.226/g  
 Number of Columns 8  
 Number of Pairs 3  
 Number of Rows 6  
 Orientation Right Angle  
 PC Tail Length 1.30mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.00mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.90mm  
 Pitch - Termination Interface 1.90mm  
 Plating min - Mating 0.762µm  
 Temperature Range - Operating -55°C to +85°C

**Electrical**

Current - Maximum per Contact 0.75A  
 Data Rate 40.0 Gbps  
 Impedance 92#  
 Shield Type Full Shield  
 Voltage - Maximum 150V AC (RMS)

**Solder Process Data**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS  
 ELV

Green Image  
 Not Relevant

**Search Parts in this Series**

[171990](#) Series

**Mates With**

Impel™ Vertical Backplane Header  
[171335-1805](#) , [1713351807](#) , [1713351808](#)

**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 #
Impel™ Daughter Card Signal Removal Tool	<a href="#">0621009710</a>
Impel™ Daughter Card Press-In Tool	<a href="#">0622018903</a>

Lead-freeProcess Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-171320-992

Sales Drawing

SD-171990-0001

Symbol/Footprint Data

SYM-171990-1038

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