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Part Number: [172010-5020](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly System
Description: Impel™ 92 Ohm, 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right-Guide, 10 Columns, 100 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-171320-990 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family Backplane Connectors
 Series [172010](#)
 Application Coplanar, Daughtercard
 Component Type PCB Receptacle
 Overview [Impel™ Backplane Connector and Cable Assembly System](#)
 Product Name Impel™
 Style N/A
 UPC 887191490847

Physical

Circuits (Loaded) 100
 Circuits (maximum) 100
 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 42.158/g
 Number of Columns 10
 Number of Pairs 5
 Number of Rows 10
 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#



image - Reference only

Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[172010Series](#)

Mates With

[172005 Impel™ Backplane Assembly](#)

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 Daughtercard Press-In Tool	0622018966

Shield Type
Voltage - Maximum

Full Shield
150V AC (RMS)

Material Info

Reference - Drawing Numbers

Application Specification
Sales Drawing

AS-171320-990
SD-172010-0004

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