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Part Number: [1720103020](#)
Status: **Active**
Overview: Impel™ and Impel™ Plus Backplane Solutions
Description: Impel™ 92 Ohm, 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 10 Columns, 100 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-171320-991-001 (PDF) |
| Drawing (PDF) | Application Specification AS-171320-992-001 (PDF) |
| Product Specification PS-171320-999-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-171320-990-001 (PDF) | |

Agency Certification

UL E29179

General

| | |
|----------------|--|
| Product Family | Backplane Connectors |
| Series | 172010 |
| Application | Coplanar, Daughtercard |
| Component Type | PCB Receptacle |
| Overview | Impel™ and Impel™ Plus Backplane Solutions |
| Product Name | Impel™ |
| UPC | 887191490830 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 100 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Guide to Mating Part | Yes |
| 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 | 92Ω |
| Shield Type | Full Shield |
| Voltage - Maximum | 150V AC (RMS) |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[172010](#) Series

Mates With

Impel™ Vertical Backplane Header
[172005-3107](#)

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 | 0622018966 |
| Press-In Tool | |

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

AS-171320-990-001, AS-171320-991-001,

AS-171320-992-001

Product Specification

PS-171320-999-001

Sales Drawing

SD-172010-0002

Symbol/Footprint Data

SYM-172010-3020

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