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**Part Number:** 1714001020
**Status:** Active
**Overview:** Impel™ and Impel™ Plus Backplane Solutions
**Description:** Impel™ 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.36mm



*Series image - Reference only*

**Documents:**

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

**Agency Certification**

| | |
|---|---|
| UL | E29179 |

**General**

| | |
|---|---|
| Product Family | Backplane Connectors |
| Series | 171400 |
| Application | Coplanar, Daughtercard |
| Component Type | PCB Receptacle |
| Overview | Impel™ and Impel™ Plus Backplane Solutions |
| Product Name | Impel™ |
| UPC | 887191080659 |

**Physical**

| | |
|---|---|
| Circuits (Loaded) | 120 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| 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 | 48.980/g |
| Number of Columns | 10 |
| Number of Pairs | 6 |
| Number of Rows | 12 |
| 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) |

**Solder Process Data**

**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
Please visit the Contact Us section for any non-product compliance questions.

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
171400 Series

**Mates With**
Impel™ Vertical Backplane Header
171395-1105 , 171395-1107 , 171395-1108

**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 Module Removal Tool | 0621009750 |

| | |
|---|---|
| Lead-freeProcess 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-171400-0001 |
| Symbol/Footprint Data | SYM-171400-1020 |

Impel™ Daughter Card Press-In Tool 0622018919

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