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**Part Number:** 1724051108
**Status:** Active
**Overview:** Impel and Impel Plus Backplane Solutions
**Description:** Impel Plus 92 Ohm, 3-Pair Right-Angle Male, 1.90mm Pitch, Unguided, 10 Columns, 60 Circuits

*Series image - Reference only*

**Documents:**
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

**EU ELV**
**Not Relevant**

**EU RoHS** | **China RoHS**
**Compliant**

**REACH SVHC**
Not Contained Per - ED/61/2018 (27 June 2018)

**Halogen-Free Status**
**Low-Halogen**

For more information, please visit Contact US

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

**Search Parts in this Series**
172405 Series

**Mates With**
Impel Right-Angle Daughtercard
171990-1020

| | |
|---|---|
| **General** | |
| Product Family | Backplane Connectors |
| Series | 172405 |
| Application | Coplanar |
| Application Tooling Documents | TM-622018899 |
| Component Type | Right Angle Male |
| Overview | Impel and Impel Plus Backplane Solutions |
| Product Name | Impel Plus |
| UPC | 191128287586 |
| **Physical** | |
| Circuits (Loaded) | 60 |
| Circuits (maximum) | 60 |
| 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 over Nickel |
| Material - Plating Termination | Tin over Nickel |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 18.879/g |
| Number of Columns | 10 |
| 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° to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |
| **Electrical** | |
| Current - Maximum per Contact | 0.75A |
| Data Rate | 56 Gbps |
| Impedance | 92Ω |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 150V AC (RMS)/DC |
| **Solder Process Data** | |

| | |
|---|---|
| Lead-freeProcess Capability | N/A |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Sales Drawing | SD-172405-0001-001 |

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