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Part Number: [1713203022](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 12 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-171320-991-001 (PDF) |
| 3D Model (PDF) | Application Specification AS-171320-992-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-78888-085-001 (PDF) |
| Product Specification PS-171320-999-001 (PDF) | Symbol Footprint Data SYM-171320-3022-001 (PDF) |
| Application Specification 1713209994-AS-000 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-171320-990-001 (PDF) | |

General

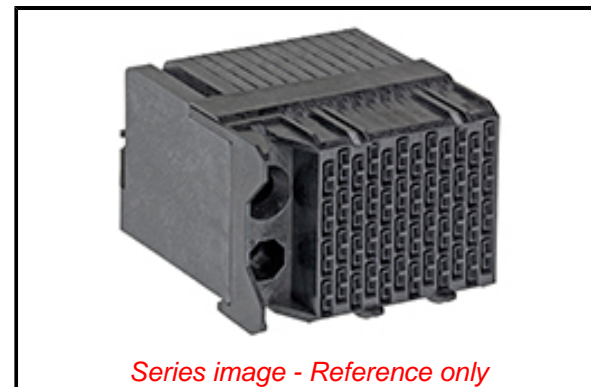
| | |
|----------------|--|
| Product Family | Backplane Connectors |
| Series | 171320 |
| Application | Coplanar, Daughtercard |
| Component Type | PCB Receptacle |
| Data Rate | 40.0 Gbps |
| Overview | Impel and Impel Plus Backplane Solutions |
| Product Name | Impel |
| Taxonomy | Backplane Connectors |
| UPC | 889056021586 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 96 |
| Circuits (maximum) | 96 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 33.590/g |
| Number of Columns | 12 |
| Number of Pairs | 4 |
| Number of Rows | 8 |
| 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 |

Electrical

| | |
|-------------------------------|-------------------|
| Current - Maximum per Contact | 0.75A |
| Impedance | 90Ω |
| Shield Type | Full Shield |
| Voltage - Maximum | 29.9V AC (RMS)/DC |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[171320 Series](#)

Mates With

Impel Right-Angle Header [1721403208](#)

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

1713209994-AS-000, AS-171320-990-001,
AS-171320-991-001, AS-171320-992-001

Electrical Model Document

1713201218-000, 1713202061REVA-000

Packaging Specification

PK-78888-085-001

Product Specification

PS-171320-999-001

S-Parameter Model

1713201218-000, 1713202061-000

Sales Drawing

SD-171320-0002-001

Symbol/Footprint Data

SYM-171320-3022-001

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