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Part Number: [1717451837](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 32 Circuits, Pin Length 4.90mm, 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) |
| 3D Model (PDF) | Packaging Specification PK-78888-312-001 (PDF) |
| Product Specification PS-171320-999-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-171320-990-001 (PDF) | |

General

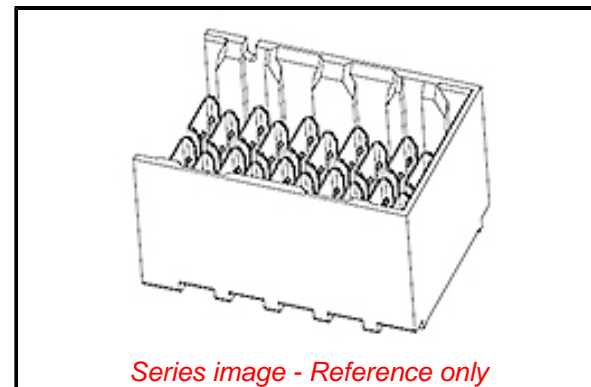
| | |
|-------------------------------|--|
| Product Family | Backplane Connectors |
| Series | 171745 |
| Application | Backplane |
| Application Tooling Documents | TM-622018899 |
| Component Type | PCB Header |
| Overview | Impel and Impel Plus Backplane Solutions |
| Product Name | Impel |
| UPC | 191128456517 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 32 |
| Circuits (maximum) | 32 |
| 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 | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.953/g |
| Number of Columns | 8 |
| Number of Pairs | 2 |
| Number of Rows | 4 |
| Orientation | Vertical |
| 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 |
| Data Rate | 40.0 Gbps |
| Impedance | 90Ω |
| Shield Type | Full Shield |
| Voltage - Maximum | 150V AC (RMS)/DC |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

[171745 Series](#)

Mates With

Impel Right-Angle Daughtercard
[1717501038](#)

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 #

| | |
|--|---------------------------|
| Installation Press- In Tool for Impel Backplane Assembly (2-Pair by 8 Column Assemblies) | 622018894 |
|--|---------------------------|

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

Packaging Specification

PK-78888-312-001

Product Specification

PS-171320-999-001

Sales Drawing

SD-171745-0001-001

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