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Part Number:

1717451107

Status:

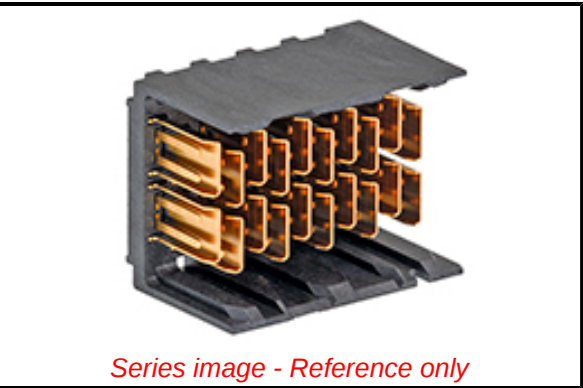
Active

Overview:

Impel and Impel Plus Backplane Solutions

Description:

Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 40 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm



Series image - Reference only

- Documents:
- 3D Model (PDF)

Application Specification AS-171320-991-001 (PDF)
- Drawing (PDF)

Application Specification AS-171320-992-001 (PDF)
- 3D Model

Packaging Specification PK-78888-312-001 (PDF)
- Product Specification PS-171320-999-001 (PDF)

Symbol Footprint Data SYM-171745-1107-001 (PDF)
- Application Specification 1713209994-AS-000 (PDF)

RoHS Certificate of Compliance (PDF)
- Application Specification AS-171320-990-001 (PDF)

Agency Certification

CSA

E29179

UL

E29179

General

Product Family

Backplane Connectors

Series

171745

Application

Backplane

Component Type

PCB Header

Data Rate

40.0 Gbps

Overview

Impel and Impel Plus Backplane Solutions

Product Name

Impel

Taxonomy

Backplane Connectors

UPC

889056145251

Physical

Circuits (Loaded)

40

Circuits (maximum)

40

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

3.231/g

Number of Columns

10

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

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

171745 Series

Mates With

Impel Right-Angle Daughtercard
1717501020

Electrical

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

Solder Process Data

Lead-freeProcess Capability	N/A
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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	1717501117-000
Packaging Specification	PK-78888-312-001
Product Specification	PS-171320-999-001
S-Parameter Model	1717501117-000
Sales Drawing	SD-171745-0001-001
Symbol/Footprint Data	SYM-171745-1107-001

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