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Part Number:

1714001038

Status:

Active

Overview:

Impel and Impel Plus Backplane Solutions

Description:

Impel 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 96 Circuits, 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)
- 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

171400

Application

Coplanar, Daughtercard

Application Tooling Documents

TM-622018899

Component Type

PCB Receptacle

Overview

Impel and Impel Plus Backplane Solutions

Product Name

Impel

UPC

887191451046

Physical

Circuits (Loaded)

96

Circuits (maximum)

96

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

39.256/g

Number of Columns

8

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)

Material Info



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

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 Backplane Header [171395-1807](#) ,
[171395-1808](#) , [172130-1808](#)

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	0622018960
Press-In Tool	

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-171400-1038

This document was generated on 02/27/2018

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