

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1714001026

Status:

Active

Overview:

Impel and Impel Plus Backplane Solutions

Description:

Impel 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 16 Columns, 192 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)

Packaging Specification PK-78888-088-001 (PDF)
- Application Specification AS-171320-990-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

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

887191080666

Physical

Circuits (Loaded)

192

Circuits (maximum)

192

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

78.106/g

Number of Columns

16

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° to +85°C

Electrical

Current - Maximum per Contact

0.75A

Data Rate

40.0 Gbps

Impedance

92Ω

Shield Type

Full Shield



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -

ED/71/2019 (16 July

2019)

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

171400 Series

Mates With

Impel Vertical Backplane Header

1713951605 , 1713951607 , 1713951608 ,

1721301608

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	621009760
Module Removal Tool	
Impel Daughter Card	622018923
Press-In Tool	

Voltage - Maximum	150V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess 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-78888-088-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171400-0001-001
Symbol/Footprint Data	SYM-171400-1026

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