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Part Number: [1715001022](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 6 Pair Right-Angle Orthogonal Daughtercard, 2.35mm Pitch, Unguided, 12 Columns, 144 Circuits

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family Backplane Connectors
 Series [171500](#)
 Application Coplanar, Daughtercard, Orthogonal
 Component Type PCB Receptacle
 Overview [Impel™ Backplane Connector and Cable Assembly Systems](#)
 Product Name Impel™
 UPC 887191280868

Physical

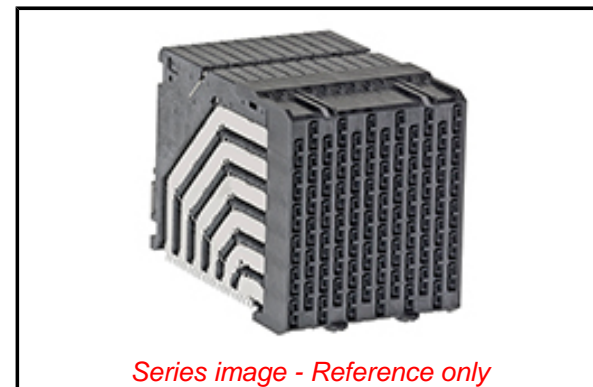
Circuits (Loaded) 144
 Color - Resin Black
 Durability (mating cycles max) 200
 First Mate / Last Break No
 Guide to Mating Part No
 Keying to Mating Part None
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold
 Material - Plating Termination Nickel, Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 59.960/g
 Number of Columns 12
 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 3.00mm
 Packaging Type Tray
 Pitch - Mating Interface 2.35mm
 Pitch - Termination Interface 2.35mm
 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 92#
 Shield Type Full Shield
 Voltage - Maximum 150V AC (RMS)

Solder Process Data

Lead-freeProcess Capability N/A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

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

ELV

Green Image

Not Relevant

Search Parts in this Series

[171500](#) Series

Mates With

Impel™ Vertical Backplane Header
[171495-0227](#) , [171495-0228](#) , [171495-1226](#)
 , [171495-1227](#)
Impel™ Orthogonal
 Right-Angle Male [171740-1208](#)

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™ [0622018961](#)
 Daughtercard
 Module Installation
 Press-In Tool

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-171500-0001

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