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Part Number: [1713351807](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 3 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 48 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

[3D Model](#) [Application Specification AS-171320-992 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family Backplane Connectors
 Series [171335](#)
 Application Backplane
 Component Type PCB Header
 Overview [Impel™ Backplane Connector and Cable Assembly Systems](#)
 Product Name Impel™
 UPC 887191240282

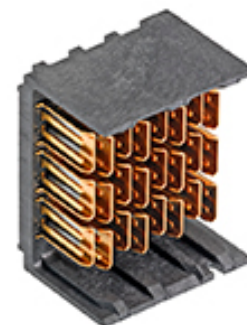
Physical

Circuits (Loaded) 48
 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 3.512/g
 Number of Columns 8
 Number of Pairs 3
 Number of Rows 6
 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°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



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

[171335](#) Series

Mates With

Impel™ Right-Angle Daughtercard
 171990-1038

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™ Backplane Press-In Tool	0621009630

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Application Specification

AS-171320-992

Sales Drawing

SD-171335-0001

Symbol/Footprint Data

SYM-171335-1807

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