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Part Number: [1719901038](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 3 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 48 Circuits, 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 [171990](#)
Application Coplanar, Daughtercard
Component Type PCB Receptacle
Overview [Impel™ Backplane Connector and Cable Assembly Systems](#)
Product Name Impel™
UPC 887191383712

Physical

Circuits (Loaded) 48
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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 14.226/g
Number of Columns 8
Number of Pairs 3
Number of Rows 6
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 92#
Shield Type Full Shield
Voltage - Maximum 150V AC (RMS)

Solder Process Data



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China 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

[171990](#) Series

Mates With

Impel™ Vertical Backplane Header
[171335-1805](#) , [1713351807](#) , [1713351808](#)

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™ Daughter Card Signal Removal Tool	0621009710
Impel™ Daughter Card Press-In Tool	0622018903

Lead-free	Process Capability	N/A
Material Info		
Reference - Drawing Numbers		
Application Specification		AS-171320-992
Sales Drawing		SD-171990-0001
Symbol/Footprint Data		SYM-171990-1038

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