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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-171320-991 (PDF)

Drawing (PDF)

Application Specification AS-171320-992 (PDF)

Product Specification PS-171320-999 (PDF)

RoHS Certificate of Compliance (PDF)

Application Specification AS-171320-990 (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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per

-ED/79/2015 (17

December 2015)

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

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

0621009630

Press-In Tool

Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-171320-990, AS-171320-991, AS-171320-992
Product Specification	PS-171320-999
Sales Drawing	SD-171335-0001

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