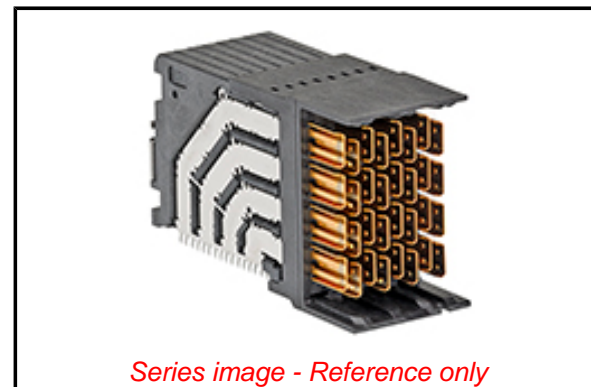


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Part Number: [1721403208](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 4 Pair Right-Angle Header, 1.90mm Pitch, Right Guided, 12 Columns, 96 Circuits, Pin Length 5.50, Plated Through Hole Dimension 0.36

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)	



General

Product Family	Backplane Connectors
Series	172140
Application	Backplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	889056026406

Physical

Circuits (Loaded)	96
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	38.334/g
Number of Columns	12
Number of Pairs	4
Number of Rows	8
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

Lead-freeProcess Capability	N/A
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EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/39/2015 (15 June
2015)

Halogen-Free

Status

Low-Halogen

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non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[172140](#) Series

Mates With

[171320-5022](#)

Material Info

Reference - Drawing Numbers

Application Specification
Product Specification
Sales Drawing
Symbol/Footprint Data

AS-171320-990, AS-171320-991, AS-171320-992
PS-171320-999
SD-172140-0002
SYM-172140-3107, SYM-172140-3108,
SYM-172140-3207, SYM-172140-3208,
SYM-172140-3807

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