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Part Number: 1721403808
Status: Active
Overview: Impel and Impel Plus Backplane Solutions
Description: Impel 90 Ohm 4 Pair Right-Angle Header, 1.90mm Pitch, Right Guided, 8 Columns, 64 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm



Series image - Reference only

Documents:

Drawing (PDF)
3D Model (PDF)
3D Model
Product Specification PS-171320-999-001 (PDF)
Application Specification 1713209994-AS-000 (PDF)
Application Specification AS-171320-990-001 (PDF)
Application Specification AS-171320-991-001 (PDF)
Application Specification AS-171320-992-001 (PDF)
Packaging Specification PK-78888-314-001 (PDF)
Symbol Footprint Data 1721403808-000 (PDF)
Symbol Footprint Data SYM-172140-3808-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	Backplane Connectors
Series	172140
Application	Backplane, Coplanar
Component Type	PCB Header
Data Rate	40.0 Gbps
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
Taxonomy	Backplane Connectors
UPC	887191898377

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	26.716/g
Number of Columns	8
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° to +85°C

Electrical

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2022)4187-DC (10 June 2022)

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
172140 Series

Mates With
Impel Right-Angle Daughtercard
1713203038

Current - Maximum per Contact	0.75A
Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC

Solder Process Data

Lead-freeProcess Capability	N/A

Material Info

Reference - Drawing Numbers

Application Specification	1713209994-AS-000, AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Electrical Model Document	1713202218-000
Packaging Specification	PK-78888-314-001
Product Specification	PS-171320-999-001
S-Parameter Model	1713202218-000
Sales Drawing	SD-172140-0002-001
Symbol/Footprint Data	1721403808-000, SYM-172140-3808-001

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