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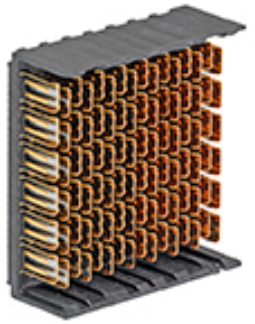
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1713951607

Status: Active

Overview: Impel and Impel Plus Backplane Solutions

Description: Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
3D Model (PDF)
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-78888-087-001 (PDF)
Symbol Footprint Data SYM-171395-1607-001 (PDF)
RoHS Certificate of Compliance (PDF)

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

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
171395 Series

Mates With
Impel Right-Angle Daughtercard
1714001026

Agency Certification	
UL	E29179
General	
Product Family	Backplane Connectors
Series	171395
Application	Backplane
Component Type	PCB Header
Data Rate	40.0 Gbps
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
Taxonomy	Backplane Connectors
UPC	887191241760
Physical	
Circuits (Loaded)	192
Circuits (maximum)	192
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	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	12.768/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
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° to +85°C
Electrical	

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	1714002001A-000, 1732101117-000
Packaging Specification	PK-78888-087-001
Product Specification	PS-171320-999-001
S-Parameter Model	1714002001-SP-000, 1732101117-000
Sales Drawing	SD-171395-0001-001
Symbol/Footprint Data	SYM-171395-1607-001