Part Number : 1717501038
Product Description : Impel 90 Ohm, 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 32 Circuits, Plated Through Hole Dimension 0.36mm
Series Number : 171750
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

1717501038_sd.pdf

PK-78888-313-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

1717501118-000.pdf

1717502217-000.pdf

1717501118-000.zip

Specifications

1713209994-AS-000.pdf

AS-171320-990-001.pdf

AS-171320-991-001.pdf

AS-171320-992-001.pdf

PS-171320-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006

EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Backplane Connectors
Series	171750
Description	Impel 90 Ohm, 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 32 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	Impel
UPC	191128267526

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC

Physical

Circuits (Loaded)	32
Circuits (maximum)	32
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	7.678/g
Number of Columns	8
Number of Pairs	2
Number of Rows	4
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 32 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	1717451807
Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 32 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	1717451837

Application Tooling