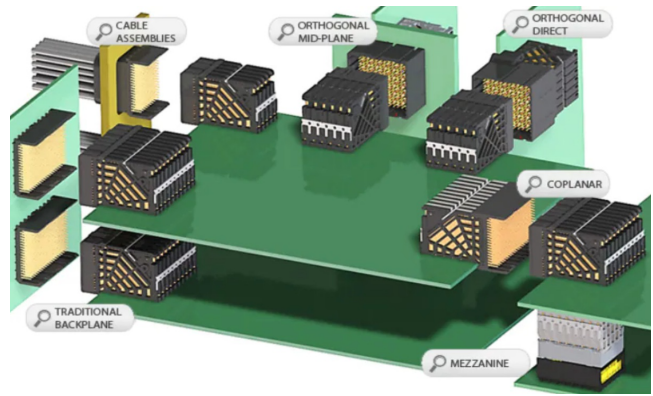




molex 761551828 Impact 100 Ohm 4 Pair Vertical Backplane Header Owner's Manual

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molex 761551828 Impact 100 Ohm 4 Pair Vertical Backplane Header



Product Information

Part Number	761551828
Product Description	Impact 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Dual Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Series Number	76155
Status	Active
Product Category	Backplane Connectors

Product Usage Instructions

To use the Impact 100 Ohm 4 Pair Vertical Backplane Header, please follow the instructions below:

1. Make sure you have the necessary tools and equipment.
2. Identify the backplane header with the part number 761551828.
3. Ensure that the backplane header is compatible with your application or system requirements.
4. Prepare the PCB (Printed Circuit Board) for installation.
5. Insert the backplane header into the designated slots on the PCB.
6. Make sure the header is securely seated and aligned with the PCB.
7. If necessary, use guide pins (such as GbX Backplane Guide Pins, part number 76160) to aid in alignment.
8. Verify that all circuits are properly connected and aligned.
9. Ensure that the backplane header is shielded, if required.
10. Once installation is complete, perform any necessary testing or verification procedures.

Please consult the product documentation and specifications for further details and specific application requirements.

Overview



- **Part Number** : 761551828
- **Product Description** : Impact 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Dual Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free
- **Series Number** : 76155
- **Status** : Active
- **Product Category** : Backplane Connectors

Documents & Resources

Drawings

Drawing 761551828_sd.pdf

Packaging Design Drawing PK-70873-7701-001.pdf

3D Models and Design Files

3D Model 761551828_stp.zip

Symbol Footprint Data SYM-76155-1828-001.zip

Specifications

Application Specification AS-76060-994-001.pdf Product Specification PS-45499-002-001.pdf Test Summary TS-76160-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Backplane Connectors
Series	76155
Description	Impact 100 Ohm 4 Pair Vertical Backplane Header, Un guided, Dual Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Conventional
Component Type	PCB Header
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	883906416768

Agency

UL	E29179
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Electrical

Current – Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100Ω
Shield Type	N/A
Shielded	No
Voltage – Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Color – Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
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	2.787/g
Number of Columns	8
Number of Pairs	4
Number of Rows	12
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness – Recommended	1.00mm
Pitch – Mating Interface	1.90mm
Pitch – Termination Interface	1.90mm
Plating min – Mating	0.762μm
Polarized to PCB	No
Stackable	No
Temperature Range – Operating	-55° to +85°C
Termination Interface Style	Through Hole – Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Impact 100 Ohm 4 Pair Right-Angle Daughtercard Receptacles	76160

Use with Part(s)

Description	Part Number
GbX Backplane Guide Pins	75234

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Documents / Resources

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References

- [Molex Tools](#)
- [molex.com/bin/molex/rohspdf?partNumber=761551828](#)
- [75234 | Molex](#)
- [76160 | Molex](#)
- [Product Compliance | Molex](#)
- [Molex Connector Part Number - 76155-1828 | Molex](#)