



Part Number : [761705036](#)
Product Description : Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacle, Right Guided, 6 Columns, 54 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Series Number : 76170
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

[Drawing 761705036_sd.pdf](#)
[Packaging Design Drawing PK-70873-591-001.pdf](#)

3D Models and Design Files

[3D Model 761705036_stp.zip](#)
[Electrical Model Document EE-76170-003-001.pdf](#)
[S-Parameter Model SP-76170-003-001.zip](#)
[Symbol Footprint Data SYM-76170-5036-001.zip](#)

Specifications

[Product Specification PS-45499-002-001.pdf](#)
[Test Summary TS-76170-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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	76170
Description	Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacle, Right Guided, 6 Columns, 54 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Conventional, Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	884982248199

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)	54
Circuits (maximum)	54
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	N/A
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	7.353/g
Number of Columns	6
Number of Pairs	3
Number of Rows	9
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	1.20mm
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 3 Pair Vertical Backplane Headers	<u>76165</u>
Impact 100 Ohm 3 Pair Right-Angle Male Headers	<u>76410</u>

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