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Part Number: [0761655604](#)

Status: **Active**

Overview: [Impact™ Backplane Connector and Cable Assembly System](#)

Description: Impact™ 100 Ohm 3 Pair Vertical Backplane Header, Right Guide, Open Endwall, 16 Columns, 144 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm, Lead-Free

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-76060-990-001 (PDF) |
| Drawing (PDF) | Application Specification AS-76060-9999-001 (PDF) |
| Product Specification PS-76060-999-001 (PDF) | Packaging Specification PK-70873-758 (PDF) |
| Product Specification TS-76170-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

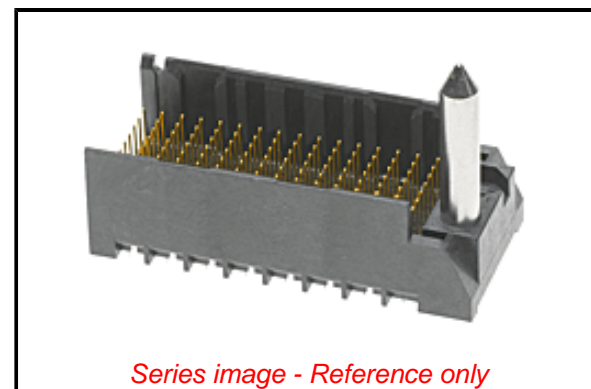
UL E29179

General

| | |
|-------------------------------|---|
| Product Family | Backplane Connectors |
| Series | 76165 |
| Application | Conventional |
| Application Tooling Documents | TM-622018799 |
| Component Type | PCB Header |
| Overview | Impact™ Backplane Connector and Cable Assembly System |
| Product Name | Impact™ |
| UPC | 883906226213 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 144 |
| Circuits (maximum) | 144 |
| 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 | 6.296/g |
| Number of Columns | 16 |
| Number of Pairs | 3 |
| Number of Rows | 9 |
| Orientation | Vertical |
| PC Tail Length | 1.40mm |
| 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 |
| Polarized to PCB | Yes |
| Stackable | No |
| Temperature Range - Operating | -55°C to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/21/2016 (20 June 2016)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

| | |
|-----------------|---------------|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[76165 Series](#)

Mates With

[76170 Impact™ 100 Ohm Daughtercard](#)

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 |

Solder Process Data

| | |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|-------------------------------------|
| Application Specification | AS-76060-990-001, AS-76060-9999-001 |
| Packaging Specification | PK-70873-758 |
| Product Specification | PS-76060-999-001, TS-76170-0001-001 |
| Sales Drawing | SD-76165-003 |
| Symbol/Footprint Data | SYM-76165-5604 |

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