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Part Number:

76145-1623

Status:

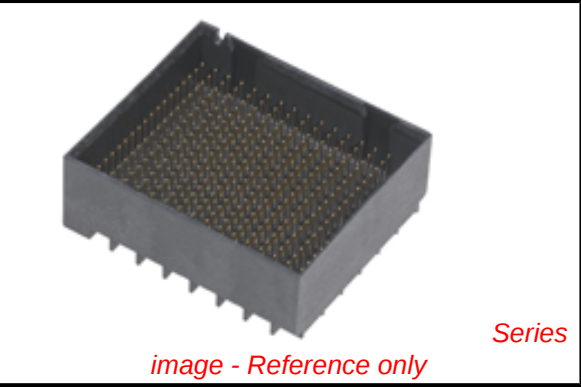
Active

Overview:

Impact™ Backplane Connectors and Cable Assemblies

Description:

Impact™ 100 Ohm 6 Pair Vertical Backplane Header, Unguided, Dual Endwall, 16 Columns, 288 Circuits, Pin Length 4.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free



|                                                          |                                                              |
|----------------------------------------------------------|--------------------------------------------------------------|
| Documents:                                               |                                                              |
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-76060-990 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification PS-76060-999 (PDF)</a> |                                                              |

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Agency Certification           |                                                   |
| UL                             | E29179                                            |
| General                        |                                                   |
| Product Family                 | Backplane Connectors                              |
| Series                         | 76145                                             |
| Application                    | Conventional                                      |
| Application Tooling Documents  | TM-622018799                                      |
| Component Type                 | PCB Header                                        |
| Overview                       | Impact™ Backplane Connectors and Cable Assemblies |
| Product Name                   | Impact™                                           |
| UPC                            | 883906407520                                      |
| Physical                       |                                                   |
| Circuits (Loaded)              | 288                                               |
| Circuits (maximum)             | 288                                               |
| 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                     | 6.510/g                                           |
| Number of Columns              | 16                                                |
| Number of Pairs                | 6                                                 |
| Number of Rows                 | 18                                                |
| 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               | No                                                |
| Temperature Range - Operating  | -55°C to +85°C                                    |
| Termination Interface: Style   | Through Hole - Compliant Pin                      |
| Electrical                     |                                                   |

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

76145Series

Mates With

76150 Impact™ 100 Ohm Daughtercard

Use With

75234 Backplane Free Standing Guide Pin

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description                                                           | Product #  |
|-----------------------------------------------------------------------|------------|
| Backplane Insertion Tool for Signal Contact                           | 0621005800 |
| Backplane Header Removal Tool for GbX-U™, I-Trac™, Impact™, or TinMan | 0621009610 |

|                                    |                              |                                     |
|------------------------------------|------------------------------|-------------------------------------|
| Current - Maximum per Contact      | 0.75A                        | Press-in-Tool for <u>0622018664</u> |
| Data Rate                          | 25.0 Gbps                    | Daughter Card                       |
| Impedance                          | 100#                         | Signal Module, 6-                   |
| Shield Type                        | N/A                          | Pair by 16-Column                   |
| Shielded                           | No                           | Assemblies                          |
| Voltage - Maximum                  | 30V AC (RMS)/DC              | Impact™ Backplane <u>0622018874</u> |
|                                    |                              | Press-In Tool                       |
| <b>Material Info</b>               |                              |                                     |
| <b>Reference - Drawing Numbers</b> |                              |                                     |
| Application Specification          | AS-76060-990                 |                                     |
| Product Specification              | PS-76060-999                 |                                     |
| Sales Drawing                      | SD-172375-0001, SD-76145-001 |                                     |
| Symbol/Footprint Data              | SYM-76145-1623               |                                     |

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