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Part Number:

76145-7106

Status:

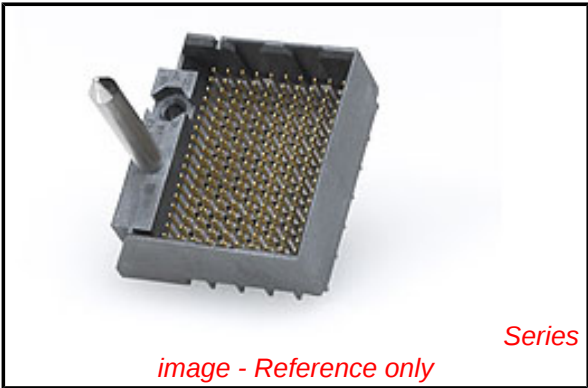
Active

Overview:

Impact™ Backplane Connectors and Cable Assemblies

Description:

Impact™ 100 Ohm 6 Pair Vertical Backplane Header, 1.90 by 1.35mm Pitch, Left Guided, Right Endwall, 10 Columns, 180 Circuits, Pin Length 4.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free



Documents:

3D Model

Drawing (PDF)

Product Specification PS-76060-999 (PDF)

Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |  |                                                   |
|--------------------------------|--|---------------------------------------------------|
| 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™                                           |
| Style                          |  | N/A                                               |
| UPC                            |  | 883906409715                                      |
| Physical                       |  |                                                   |
| Circuits (Loaded)              |  | 180                                               |
| Circuits (maximum)             |  | 180                                               |
| 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                     |  | 7.866/g                                           |
| Number of Columns              |  | 10                                                |
| Number of Pairs                |  | 6                                                 |
| Number of Rows                 |  | 18                                                |
| Orientation                    |  | Vertical                                          |
| PC Tail Length                 |  | 1.40mm                                            |
| PCB Locator                    |  | No                                                |
| PCB Retention                  |  | Yes                                               |
| 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                      |  | Yes                                               |
| Temperature Range - Operating  |  | -55°C to +85°C                                    |
| Termination Interface: Style   |  | Through Hole - Compliant Pin                      |

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

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 |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |                |
|---------------------------|----------------|
| Application Specification | AS-76060-990   |
| Product Specification     | PS-76060-999   |
| Sales Drawing             | SD-76145-002   |
| Symbol/Footprint Data     | SYM-76145-7106 |

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