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Part Number:

76055-1614

Status:

Active

Overview:

Impact™ Backplane Connectors and Cable Assemblies

Description:

Impact™ 100 Ohm 5 Pair Vertical Backplane Header, Unguided, Left Endwall, 16 Columns, 240 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-76060-999 (PDF)

Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)

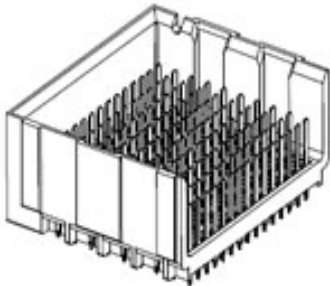


image - Reference only

Series

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Agency Certification           |                                                   |
| UL                             | E29179                                            |
| General                        |                                                   |
| Product Family                 | Backplane Connectors                              |
| Series                         | 76055                                             |
| Application                    | Conventional, Mezzanine                           |
| Application Tooling Documents  | TM-622018799                                      |
| Component Type                 | PCB Header                                        |
| Overview                       | Impact™ Backplane Connectors and Cable Assemblies |
| Product Name                   | Impact™                                           |
| UPC                            | 883906413620                                      |
| Physical                       |                                                   |
| Circuits (Loaded)              | 240                                               |
| Circuits (maximum)             | 240                                               |
| 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                     | 5.234/g                                           |
| Number of Columns              | 16                                                |
| Number of Pairs                | 5                                                 |
| Number of Rows                 | 15                                                |
| 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

76055Series

Mates With

76060 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 Press-In Tool for 5-Pair by 16-Column Assemblies | 0622018665 |

|                                    |                 |                    |                   |
|------------------------------------|-----------------|--------------------|-------------------|
| Current - Maximum per Contact      | 0.75A           | Backplane Header   | <u>0621009610</u> |
| Data Rate                          | 25.0 Gbps       | Removal Tool for   |                   |
| Impedance                          | 100#            | GbX-U™, I-Trac™,   |                   |
| Shield Type                        | N/A             | Impact™, or TinMan |                   |
| Shielded                           | No              | Impact™ Backplane  | <u>0622018873</u> |
| Voltage - Maximum                  | 30V AC (RMS)/DC | 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-76055-001    |                    |                   |
| Symbol/Footprint Data              | SYM-76055-1614  |                    |                   |

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