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Part Number:

0764553608

Status:

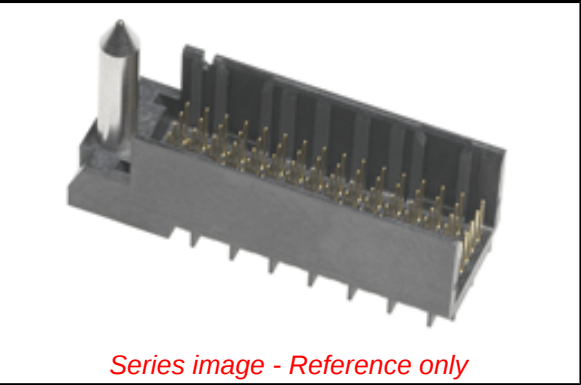
Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 100 Ohm 2 Pair Vertical Backplane Header, Left Guide, Open Endwall, 16 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free



|                                                              |                                                               |
|--------------------------------------------------------------|---------------------------------------------------------------|
| Documents:                                                   |                                                               |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-76060-9999 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-70873-761 (PDF)</a>    |
| <a href="#">Product Specification PS-76060-999 (PDF)</a>     | <a href="#">Test Summary TS-76460-0001 (PDF)</a>              |
| <a href="#">Application Specification AS-76060-990 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Agency Certification           |                                                       |
| UL                             | E29179                                                |
| General                        |                                                       |
| Product Family                 | Backplane Connectors                                  |
| Series                         | 76455                                                 |
| Application                    | Conventional                                          |
| Application Tooling Documents  | TM-622018799                                          |
| Component Type                 | PCB Header                                            |
| Overview                       | Impact™ Backplane Connector and Cable Assembly System |
| Product Name                   | Impact™                                               |
| UPC                            | 884982507180                                          |
| Physical                       |                                                       |
| Circuits (Loaded)              | 96                                                    |
| Circuits (maximum)             | 96                                                    |
| 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                     | 4.854/g                                               |
| Number of Columns              | 16                                                    |
| Number of Pairs                | 2                                                     |
| Number of Rows                 | 6                                                     |
| 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                                                    |
| Surface Mount Compatible (SMC) | No                                                    |
| Temperature Range - Operating  | -55°C to +85°C                                        |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per

-ED/79/2015 (17

December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

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

|            |              |
|------------|--------------|
| China ROHS | Green Image  |
| ELV        | Not Relevant |

Search Parts in this Series

76455 Series

Mates With

76460 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 |
| Backplane Header Removal Tool for GbX® U-Series, GbX                                                                                                                            | 0621009610 |

|                                    |                              |                                                                                                                                  |
|------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin | I-Trac™, Impact™, or Z-PACK Tinman*<br>Press-In Tool for <u>0622018694</u><br>Backplane Signal<br>Module, 2-Pair by<br>16-Column |
| <b>Electrical</b>                  |                              |                                                                                                                                  |
| 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              |                                                                                                                                  |
| <b>Solder Process Data</b>         |                              |                                                                                                                                  |
| Lead-freeProcess Capability        | N/A                          |                                                                                                                                  |
| <b>Material Info</b>               |                              |                                                                                                                                  |
| <b>Reference - Drawing Numbers</b> |                              |                                                                                                                                  |
| Application Specification          | AS-76060-990, AS-76060-9999  |                                                                                                                                  |
| Packaging Specification            | PK-70873-761                 |                                                                                                                                  |
| Product Specification              | PS-76060-999                 |                                                                                                                                  |
| Sales Drawing                      | SD-76455-002                 |                                                                                                                                  |
| Symbol/Footprint Data              | SYM-76455-3608               |                                                                                                                                  |
| Test Summary                       | TS-76460-0001                |                                                                                                                                  |

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