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Part Number:

0764551628

Status:

Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

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

- Documents:
- 3D Model

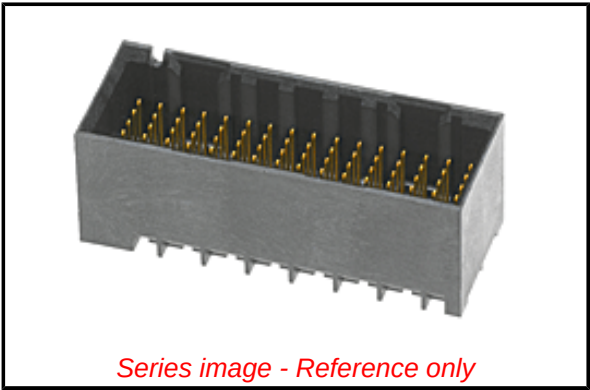
Packaging Specification PK-70873-761 (PDF)
- Drawing (PDF)

Packaging Specification PK-70873-7704 (PDF)
- Product Specification PS-76060-999 (PDF)

Test Summary TS-76460-0001 (PDF)
- Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)
- Application Specification AS-76060-9999 (PDF)

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| 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                            | 884982819375                                          |
| 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           | 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                     | 3.121/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               | No                                                    |
| Stackable                      | No                                                    |
| Surface Mount Compatible (SMC) | No                                                    |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

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
- 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

0621005800

Tool for Signal

Contact

|                                    |                              |                    |                            |
|------------------------------------|------------------------------|--------------------|----------------------------|
| Temperature Range - Operating      | -55°C to +85°C               | Backplane Header   | <a href="#">0621009610</a> |
| Termination Interface: Style       | Through Hole - Compliant Pin | Removal Tool for   |                            |
| <b>Electrical</b>                  |                              | GbX® U-Series, GbX |                            |
| Current - Maximum per Contact      | 0.75A                        | I-Trac™, Impact™,  |                            |
| Data Rate                          | 25.0 Gbps                    | or Z-PACK Tinman*  |                            |
| Impedance                          | 100#                         | Press-In Tool for  | <a href="#">0622018694</a> |
| Shield Type                        | N/A                          | Backplane Signal   |                            |
| Shielded                           | No                           | Module, 2-Pair by  |                            |
| Voltage - Maximum                  | 30V AC (RMS)/DC              | 16-Column          |                            |
| <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, PK-70873-7704  |                    |                            |
| Product Specification              | PS-76060-999                 |                    |                            |
| Sales Drawing                      | SD-76455-001                 |                    |                            |
| Symbol/Footprint Data              | SYM-76455-1628               |                    |                            |
| Test Summary                       | TS-76460-0001                |                    |                            |

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