

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0760553104

Status:

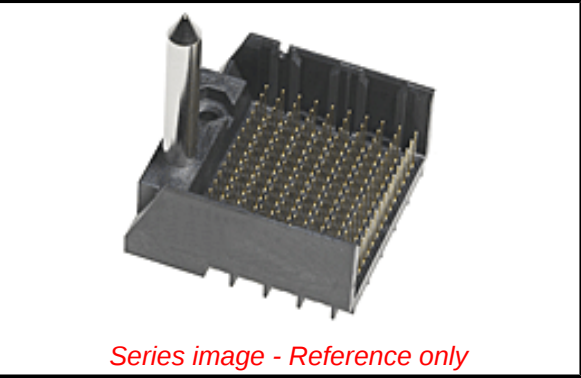
Active

Overview:

Impact™ Backplane Connectors and Cable Assemblies

Description:

Impact™ 100 Ohm 5 Pair Vertical Backplane Header, Left Guided, Open Endwall, 10 Columns, 150 Circuits, Pin Length 4.90mm, 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                         | 76055                                             |
| Application                    | Conventional, Mezzanine                           |
| Application Tooling Documents  | TM-622018799                                      |
| Component Type                 | PCB Header                                        |
| Overview                       | Impact™ Backplane Connectors and Cable Assemblies |
| Product Name                   | Impact™                                           |
| UPC                            | 883906413989                                      |
| Physical                       |                                                   |
| Circuits (Loaded)              | 150                                               |
| Circuits (maximum)             | 150                                               |
| 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                     | 6.697/g                                           |
| Number of Columns              | 10                                                |
| Number of Pairs                | 5                                                 |
| Number of Rows                 | 15                                                |
| 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                                               |
| Temperature Range - Operating  | -55°C to +85°C                                    |
| Termination Interface: Style   | Through Hole - Compliant Pin                      |
| Electrical                     |                                                   |
| Current - Maximum per Contact  | 0.75A                                             |

|                                                                                               |              |
|-----------------------------------------------------------------------------------------------|--------------|
| EU ELV                                                                                        |              |
| Not Relevant                                                                                  |              |
| EU RoHS                                                                                       | China RoHS   |
| Compliant                                                                                     |              |
| REACH SVHC                                                                                    |              |
| Contains SVHC(2014 December 17): No                                                           |              |
| Halogen-Free                                                                                  |              |
| Status                                                                                        |              |
| Low-Halogen                                                                                   |              |
| Need more information on product environmental compliance?                                    |              |
| Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a>            |              |
| Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. |              |
| China ROHS                                                                                    | Green Image  |
| ELV                                                                                           | Not Relevant |

|                                                                                                                                                                                 |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Search Parts in this Series                                                                                                                                                     |            |
| 76055 Series                                                                                                                                                                    |            |
| Mates With                                                                                                                                                                      |            |
| 76060 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™, I-Trac™, Impact™, or TinMan                                                                                                           | 0621009610 |

|                                    |                 |                   |                   |
|------------------------------------|-----------------|-------------------|-------------------|
| Data Rate                          | 25.0 Gbps       | Press-In Tool for | <u>0622018658</u> |
| Impedance                          | 100#            | Backplane Module  |                   |
| Shield Type                        | N/A             |                   |                   |
| Shielded                           | No              |                   |                   |
| Voltage - Maximum                  | 30V AC (RMS)/DC |                   |                   |
| <b>Material Info</b>               |                 |                   |                   |
| <b>Reference - Drawing Numbers</b> |                 |                   |                   |
| Application Specification          | AS-76060-990    |                   |                   |
| Product Specification              | PS-76060-999    |                   |                   |
| Sales Drawing                      | SD-76055-002    |                   |                   |
| Symbol/Footprint Data              | SYM-76055-3104  |                   |                   |

This document was generated on 07/01/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**