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Part Number:

0761505016

Status:

Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 100 Ohm 6 Pair Right Angle Daughtercard Receptacle, Right Guided, 16 Columns, 288 Circuits, 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)

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Agency Certification          |                                                       |
| UL                            | E29179                                                |
| General                       |                                                       |
| Product Family                | Backplane Connectors                                  |
| Series                        | 76150                                                 |
| Application                   | Conventional, Coplanar, Daughtercard                  |
| Application Tooling Documents | TM-622018799                                          |
| Component Type                | PCB Receptacle                                        |
| Electrical Model              | Yes                                                   |
| Overview                      | Impact™ Backplane Connector and Cable Assembly System |
| Product Name                  | Impact™                                               |
| UPC                           | 883906217181                                          |

|                                |                                |
|--------------------------------|--------------------------------|
| Physical                       |                                |
| Circuits (Loaded)              | 288                            |
| Circuits (maximum)             | 288                            |
| 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                     | 41.600/g                       |
| Number of Columns              | 16                             |
| Number of Pairs                | 6                              |
| Number of Rows                 | 18                             |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 1.20mm                         |
| 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



Series image - Reference only

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 [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

76150 Series

Mates With

76145 Impact™ 100 Ohm Vertical Backplane Header

|                                                                                                                                                                                 |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 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 #  |
| Daughter Card                                                                                                                                                                   | 0622018663 |
| Signal Module                                                                                                                                                                   |            |
| Assembly Press-In                                                                                                                                                               |            |
| Tool for 6-Pair by 16-Column Assemblies                                                                                                                                         |            |
| Impact Daughter Card Extraction Tool                                                                                                                                            | 0622024300 |

|                               |                 |
|-------------------------------|-----------------|
| 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                |
| Electrical Model Document | EE-76150-001, EE-76560-0001 |
| Product Specification     | PS-76060-999                |
| S-Parameter Model         | SP-76150-001, SP-76560-0001 |
| Sales Drawing             | RSD-76150-004, SD-76150-004 |
| Symbol/Footprint Data     | SYM-76150-5016              |

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