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Part Number:

1703353106

Status:

Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 85 Ohm Plus 4 Pair Vertical Header, Left Guide, Right Endwall, 10 Columns, 120 Circuits, Pin Length 4.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-170540-999 (PDF)

Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Agency Certification           |                                                       |
| UL                             | E29179                                                |
| General                        |                                                       |
| Product Family                 | Backplane Connectors                                  |
| Series                         | 170335                                                |
| Application                    | Conventional, Mezzanine                               |
| Component Type                 | PCB Header                                            |
| Overview                       | Impact™ Backplane Connector and Cable Assembly System |
| Product Name                   | Impact™                                               |
| UPC                            | 884982776333                                          |
| Physical                       |                                                       |
| Circuits (Loaded)              | 120                                                   |
| Circuits (maximum)             | 120                                                   |
| Color - Resin                  | Gray                                                  |
| 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                     | 6.784/g                                               |
| Number of Columns              | 10                                                    |
| Number of Pairs                | 4                                                     |
| Number of Rows                 | 12                                                    |
| Orientation                    | Vertical                                              |
| PC Tail Length                 | 1.40mm                                                |
| PCB Locator                    | No                                                    |
| PCB Retention                  | None                                                  |
| PCB Thickness - Recommended    | 1.00mm                                                |
| Packaging Type                 | Tray                                                  |
| Pitch - Mating Interface       | 1.35mm, 1.90mm                                        |
| Pitch - Termination Interface  | 1.35mm, 1.90mm                                        |
| Plating min - Mating           | 0.762µm                                               |
| Polarized to PCB               | No                                                    |
| Stackable                      | No                                                    |
| Surface Mount Compatible (SMC) | No                                                    |
| 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

Please visit the Contact Us section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

170335 Series

Mates With

170340 Impact™ 85 Ohm Plus Right Angle Receptacle, 170390 Impact™ 85 Ohm Plus Vertical Mezzanine Receptacle

| 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 Press-In Tool                                                                                                                                                         | 0622018790 |
| Impact™ Insertion Tool                                                                                                                                                          | 0621005850 |
| Backplane Header Removal Tool for                                                                                                                                               | 0621009610 |

|                                    |                 |                                     |
|------------------------------------|-----------------|-------------------------------------|
| Current - Maximum per Contact      | 0.75A           | GbX-U™, I-Trac™, Impact™, or TinMan |
| Data Rate                          | 25.0 Gbps       |                                     |
| Impedance                          | 85#             |                                     |
| 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    |                                     |
| Product Specification              | PS-170540-999   |                                     |
| Sales Drawing                      | SD-170335-0002  |                                     |
| Symbol/Footprint Data              | SYM-170335-3106 |                                     |

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