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Part Number:

1703901032

Status:

Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 37.00mm, Unguided, 12 Columns, 144 Circuits, Lead Free

Documents:

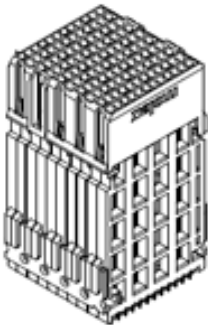
Drawing (PDF)

Product Specification PS-170540-999 (PDF)

Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| General                        |                                                       |
| Product Family                 | Backplane Connectors                                  |
| Series                         | 170390                                                |
| Application                    | Mezzanine                                             |
| Application Tooling Documents  | TM-622018799                                          |
| Component Type                 | PCB Receptacle                                        |
| Overview                       | Impact™ Backplane Connector and Cable Assembly System |
| Product Name                   | Impact™                                               |
| UPC                            | 887191437262                                          |
| Physical                       |                                                       |
| Circuits (Loaded)              | 144                                                   |
| Circuits (maximum)             | 144                                                   |
| Color - Resin                  | Gray                                                  |
| Durability (mating cycles max) | 200                                                   |
| First Mate / Last Break        | No                                                    |
| Guide to Mating Part           | No                                                    |
| Keying to Mating Part          | Yes                                                   |
| Material - Metal               | High Performance Alloy (HPA)                          |
| Material - Plating Mating      | Gold                                                  |
| Material - Plating Termination | Tin                                                   |
| Material - Resin               | High Temperature Thermoplastic                        |
| Net Weight                     | 21.273/g                                              |
| Number of Columns              | 12                                                    |
| 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                     |                                                       |
| Current - Maximum per Contact  | 0.75A                                                 |
| Data Rate                      | 25.0 Gbps                                             |
| Impedance                      | 85#                                                   |
| Shield Type                    | N/A                                                   |



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

170390 Series

Mates With

170335 Impact™ 85 Ohm Plus Vertical 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 #

Press-In Tool for Impact™ Vertical Female Signal Module Assembly Doc

0622018864

|                                    |                 |
|------------------------------------|-----------------|
| 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    |
| Electrical Model Document          | EE-170390-0137  |
| Product Specification              | PS-170540-999   |
| Sales Drawing                      | SD-170390-0001  |

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