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**Part Number:** [1703903000](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connector and Cable Assembly System](#)  
**Description:** [Impact™ 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 18.00mm, Left Guided, 10 Columns, 120 Circuits, Lead Free](#)

**Documents:**

[3D Model](#) [Application Specification AS-76060-990 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-170540-999 \(PDF\)](#)

**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 [887191271750](#)

**Physical**

Circuits (Loaded) [120](#)  
Circuits (maximum) [120](#)  
Color - Resin [Gray](#)  
Durability (mating cycles max) [200](#)  
First Mate / Last Break [No](#)  
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 [10.782/g](#)  
Number of Columns [10](#)  
Number of Pairs [4](#)  
Number of Rows [12](#)  
Orientation [Vertical](#)  
PC Tail Length [1.20mm](#)  
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#](#)

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/39/2015 (15 June 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

ELV

**China RoHS**

Green Image

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 Power Module Assembly	<a href="#">0622018717</a>
Removal Tool for Impact™ Mezzanine 85 Ohm Vertical Wafer	<a href="#">0621002180</a>
Removal Tool for Impact™ Mezzanine 85 Ohm Vertical Header Front Housing	<a href="#">0621002150</a>

Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Application Specification	AS-76060-990
Electrical Model Document	EE-170390-0318
Product Specification	PS-170540-999
Sales Drawing	SD-170390-0002
Symbol/Footprint Data	SYM-170390-3000

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