

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1703901002](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connector and Cable Assembly System  
**Description:** Impact™ 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 18.00mm, Unguided, 12 Columns, 144 Circuits, Lead Free

**Documents:**

[3D Model](#) [Application Specification AS-76060-990-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-170540-999-001 \(PDF\)](#)

**General**

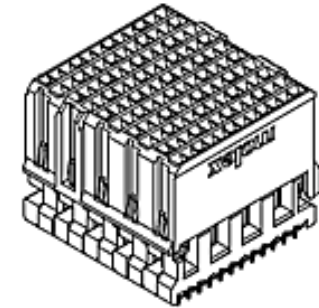
Product Family	Backplane Connectors
Series	<a href="#">170390</a>
Application	Mezzanine
Application Tooling Documents	TM-622018799
Component Type	PCB Receptacle
Overview	<a href="#">Impact™ Backplane Connector and Cable Assembly System</a>
Product Name	Impact™
UPC	887191265483

**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	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.070/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	85Ω



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**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

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[170390](#) 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 #**

Press-In Tool for

[0622018864](#)

Impact™ Vertical

Female Signal

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

Module Assembly Doc
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**Solder Process Data**

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

Application Specification	AS-76060-990-001
Electrical Model Document	EE-170390-0318
Product Specification	PS-170540-999-001
Sales Drawing	SD-170390-0001
Symbol/Footprint Data	SYM-170390-1002

This document was generated on 11/14/2016

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