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**Part Number:** **170540-5020**  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 85 Ohm Plus 6 Pair Right Angle Daughtercard, 1.90 by 1.35mm Pitch, Right Guided, 10 Columns, 180 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-170540-999 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series 170540  
 Application Conventional, Daughtercard  
 Component Type PCB Receptacle  
 Overview Impact™ Backplane Connectors and Cable Assemblies  
 Product Name Impact™  
 Style N/A  
 UPC 884982614895

**Physical**

Circuits (Loaded) 180  
 Circuits (maximum) 180  
 Color - Resin Gray  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Matte Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 30.016/g  
 Number of Columns 10  
 Number of Pairs 6  
 Number of Rows 18  
 Orientation Right Angle  
 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**



Series

image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

170540Series

**Mates With**

170535 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 #
Impact Daughter Card Extraction Tool	<u>0622024300</u>

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	85#
Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification	PS-170540-999
Sales Drawing	SD-170540-0004
Symbol/Footprint Data	SYM-170540-5020

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