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Part Number: [170535-5107](#)
Status: **Active**
Overview: Impact™ Backplane Connectors and Cable Assemblies
Description: Impact™ 85 Ohm Plus 6 Pair Vertical Backplane Header, 1.90 by 1.35mm Pitch, Right Guided, Open Endwall, 10 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free

Documents:

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

Agency Certification

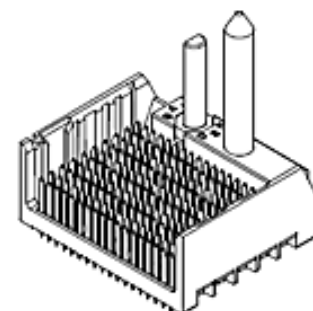
UL E29179

General

Product Family Backplane Connectors
 Series [170535](#)
 Application Conventional
 Component Type PCB Header
 Overview [Impact™ Backplane Connectors and Cable Assemblies](#)
 Product Name Impact™
 Style N/A
 UPC 884982630413

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 Yes
 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 8.336/g
 Number of Columns 10
 Number of Pairs 6
 Number of Rows 18
 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



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
 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

[170535Series](#)

Mates With

[170540 Impact™ 85 Ohm Plus Right Angle 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 #
Impact™ Insertion Tool	0621005850
Backplane Header Removal Tool for GbX-U™, I-Trac™, Impact™, or TinMan	0621009610
Impact™ 85 Ohm Backplane Press-In Tool for 6-Pair by 10-Column Assemblies	0622018807

Electrical

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-170535-0003
Symbol/Footprint Data	SYM-170535-5107

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