

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1704753207

Status:

Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 85 Ohm Plus 5 Pair Vertical Backplane Header, Left Guide, Open Endwall, 12 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free

Documents:

Drawing (PDF)

Product Specification PS-170540-999 (PDF)

Application Specification AS-76060-990 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Component Type

Overview

Product Name

UPC

Backplane Connectors

170475

Conventional

PCB Header

Impact™ Backplane Connector and Cable Assembly System

Impact™

887191404554

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

PCB Thickness - Recommended

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

Plating min - Mating

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

180

180

Gray

200

No

94V-0

Yes

None

High Performance Alloy (HPA)

Gold

Tin

High Temperature Thermoplastic

8.406/g

12

5

15

Vertical

1.40mm

No

None

1.00mm

Tray

1.35mm, 1.90mm

1.35mm, 1.90mm

0.762µm

No

No

No

-55°C to +85°C

Through Hole - Compliant Pin

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

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

Green Image

Not Relevant

Search Parts in this Series

170475 Series

Mates With

170480 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™ 85 Ohm Backplane Press-In Tool for 5-Pair by 12-Column Assemblies | 0622018804 |
| Impact™ Insertion Tool                                                    | 0621005850 |

|                                    |                 |                                                                                                  |
|------------------------------------|-----------------|--------------------------------------------------------------------------------------------------|
| Current - Maximum per Contact      | 0.75A           | Backplane Header <u>0621009610</u><br>Removal Tool for<br>GbX-U™, I-Trac™,<br>Impact™, or TinMan |
| Data Rate                          | 25.0 Gbps       |                                                                                                  |
| Impedance                          | 85#             |                                                                                                  |
| Shield Type                        | N/A             |                                                                                                  |
| 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    |                                                                                                  |
| Product Specification              | PS-170540-999   |                                                                                                  |
| Sales Drawing                      | SD-170475-0002  |                                                                                                  |
| Symbol/Footprint Data              | SYM-170475-3207 |                                                                                                  |

This document was generated on 06/23/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**