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Part Number: [171395-1807](#)
Status: **Active**
Overview: [Impel™ Backplane Connector and Cable Assembly System](#)
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|--|
| Product Family | Backplane Connectors |
| Series | 171395 |
| Application | Backplane |
| Component Type | PCB Header |
| Overview | Impel™ Backplane Connector and Cable Assembly System |
| Product Name | Impel™ |
| Style | N/A |
| UPC | 887191450803 |

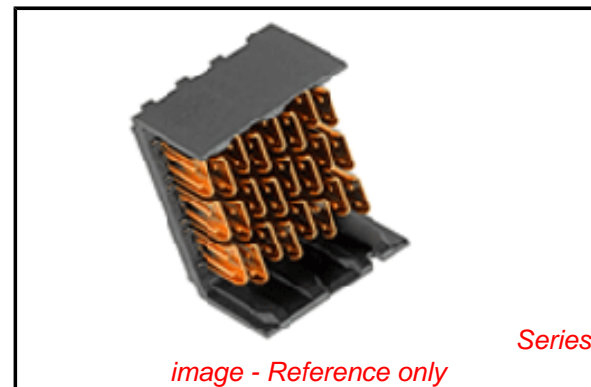
Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 192 |
| Circuits (maximum) | 192 |
| Color - Resin | Black |
| 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 | Nickel, Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 6.449/g |
| Number of Columns | 8 |
| Number of Pairs | 6 |
| Number of Rows | 24 |
| Orientation | Vertical |
| PC Tail Length | 1.30mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.00mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.90mm |
| Pitch - Termination Interface | 1.90mm |
| Plating min - Mating | 0.762µm |
| Temperature Range - Operating | -55°C to +85°C |

Electrical

| | |
|-------------------------------|---------------|
| Current - Maximum per Contact | 0.75A |
| Data Rate | 40.0 Gbps |
| Impedance | 92# |
| Shield Type | Full Shield |
| Voltage - Maximum | 150V AC (RMS) |

Material Info



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

[171395Series](#)

Mates With

[171400 Impel™ Daughtercard Assembly](#)

Reference - Drawing Numbers

Sales Drawing

SD-171395-0001

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