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Part Number: [171335807](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 3 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, Open Endwalls, 8 Columns, 48 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-171320-991 (PDF) |
| Drawing (PDF) | Application Specification AS-171320-992 (PDF) |
| Product Specification PS-171320-999 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-171320-990 (PDF) | |

General

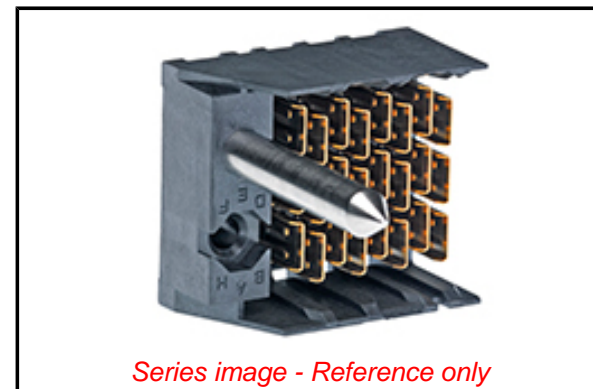
| | |
|----------------|---|
| Product Family | Backplane Connectors |
| Series | 171335 |
| Application | Backplane |
| Component Type | PCB Header |
| Overview | Impel™ Backplane Connector and Cable Assembly Systems |
| Product Name | Impel™ |
| UPC | 887191938219 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 48 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Nickel, Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 6.755/g |
| Number of Columns | 8 |
| Number of Pairs | 3 |
| Number of Rows | 6 |
| 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 |
| Shielded | Yes |
| Voltage - Maximum | 150V AC (RMS) |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email 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

[171335](#) Series

Mates With

Impel™ Right-Angle Daughtercard
[171990-5038](#)

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

AS-171320-990, AS-171320-991, AS-171320-992

Product Specification

PS-171320-999

Sales Drawing

SD-171335-0004

Symbol/Footprint Data

SYM-171335-5804, SYM-171335-5805,
SYM-171335-5807, SYM-171335-5808,
SYM-171335-9804, SYM-171335-9805,
SYM-171335-9807, SYM-171335-9808

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