

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1713355807

Status:

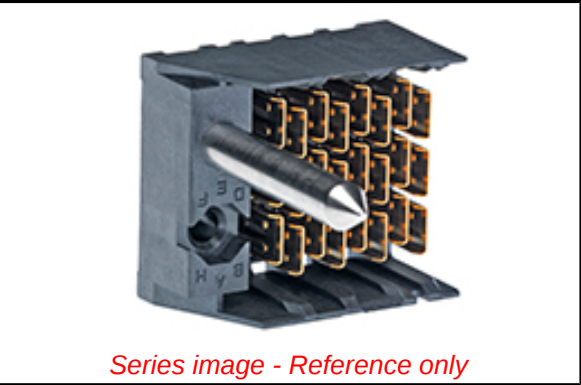
Active

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



Series image - Reference only

- Documents:
- 3D Model

Drawing (PDF)

Product Specification PS-171320-999 (PDF)

Application Specification AS-171320-990 (PDF)

Application Specification AS-171320-991 (PDF)

Application Specification AS-171320-992 (PDF)

RoHS Certificate of Compliance (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)                                         |

EU ELV

Not Relevant

EU RoHS

China 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](mailto:productcompliance@molex.com)

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

171335 Series

Mates With

Impel™ Right-Angle Daughtercard

171990-5038

**Solder Process Data**

Lead-freeProcess CapabilityN/A

**Material Info**

**Reference - Drawing Numbers**

Application SpecificationAS-171320-990, AS-171320-991, AS-171320-992  
Product SpecificationPS-171320-999  
Sales DrawingSD-171335-0004  
Symbol/Footprint DataSYM-171335-5804, SYM-171335-5805,  
SYM-171335-5807, SYM-171335-5808,  
SYM-171335-9804, SYM-171335-9805,  
SYM-171335-9807, SYM-171335-9808

This document was generated on 03/31/2016

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