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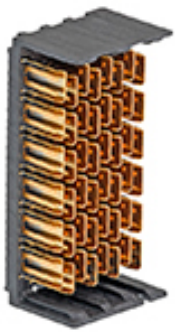
**Part Number:** [1713951807](#)  
**Status:** **Active**  
**Overview:** [Impel and Impel Plus Backplane Solutions](#)  
**Description:** Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

|                                                                   |                                                                   |
|-------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Documents:</b>                                                 |                                                                   |
| <a href="#">3D Model</a>                                          | <a href="#">Application Specification AS-171320-991-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">Application Specification AS-171320-992-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                    | <a href="#">Packaging Specification PK-78888-087-001 (PDF)</a>    |
| <a href="#">Product Specification PS-171320-999-001 (PDF)</a>     | <a href="#">Symbol Footprint Data SYM-171395-1807-001 (PDF)</a>   |
| <a href="#">Application Specification 1713209994-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |
| <a href="#">Application Specification AS-171320-990-001 (PDF)</a> |                                                                   |

|                |                                                          |
|----------------|----------------------------------------------------------|
| <b>General</b> |                                                          |
| Product Family | Backplane Connectors                                     |
| Series         | <a href="#">171395</a>                                   |
| Application    | Backplane                                                |
| Component Type | PCB Header                                               |
| Overview       | <a href="#">Impel and Impel Plus Backplane Solutions</a> |
| Product Name   | Impel                                                    |
| UPC            | 887191450803                                             |

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Physical</b>                |                                |
| Circuits (Loaded)              | 96                             |
| Circuits (maximum)             | 96                             |
| 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 | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 6.449/g                        |
| Number of Columns              | 8                              |
| Number of Pairs                | 6                              |
| Number of Rows                 | 12                             |
| 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° to +85°C                  |

|                               |                   |
|-------------------------------|-------------------|
| <b>Electrical</b>             |                   |
| Current - Maximum per Contact | 0.75A             |
| Data Rate                     | 40.0 Gbps         |
| Impedance                     | 90Ω               |
| Shield Type                   | Full Shield       |
| Voltage - Maximum             | 29.9V AC (RMS)/DC |



Series image - Reference only

**EU ELV**  
**Not Relevant**

|                                                                                                                                                                                                                                                  |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                  | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[171395](#) Series

**Mates With**  
Impel Right-Angle Daughtercard  
[1714001038](#) . Impel Plus Right-Angle  
Daughtercard [1732101138](#)

**Solder Process Data**

Lead-freeProcess CapabilityN/A

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Application Specification | 1713209994-AS-000, AS-171320-990-001, AS-171320-991-001, AS-171320-992-001 |
| Electrical Model Document | 1714002001A-000, 1732101117-000                                            |
| Packaging Specification   | PK-78888-087-001                                                           |
| Product Specification     | PS-171320-999-001                                                          |
| S-Parameter Model         | 1714002001-SP-000, 1732101117-000                                          |
| Sales Drawing             | SD-171395-0001-001                                                         |
| Symbol/Footprint Data     | SYM-171395-1807-001                                                        |

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