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**Part Number:** [0784421022](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 6 Pair, Vertical Power Header, 39.00mm Stack Height, Press-Fit, LCP, Glass Filled, UL94-V0, Black, Tray Packaging, Lead-Free

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-76060-9997-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-78442-001-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |
| <a href="#">Product Specification PS-78213-001-001 (PDF)</a> |   |



**Agency Certification**

UL E29179

**General**

|                               |  |
|-------------------------------|--|
| Product Family                | Backplane Connectors   |
| Series                        | <a href="#">78442</a>  |
| Application                   | Mezzanine  |
| Application Tooling Documents | TM-622018799-001   |
| Component Type                | Power Header   |
| Data Rate                     | N/A  |
| Overview                      | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact   |
| UPC                           | 883906527679   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 18.620/g                       |
| Number of Columns              | N/A                            |
| Number of Pairs                | 6                              |
| Number of Rows                 | 3                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 2.50mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 5.20mm                         |
| Pitch - Termination Interface  | 2.00mm, 3.20mm                 |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to PCB               | No                             |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[78442](#) Series

**Mates With**

[78218](#) Impact Vertical Receptacles

Temperature Range - Operating -55° to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 20.0A  
Shield Type N/A  
Shielded No  
Voltage - Maximum 250V

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-76060-9997-001  
Packaging Specification PK-78442-001-001  
Product Specification PS-78213-001-001  
Sales Drawing SD-78442-001-001

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