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Part Number: [76290-1022](#)
Status: **Active**
Overview: Impact™ Backplane Connectors and Cable Assemblies
Description: Impact™ 100 Ohm 6 Pair Right Angle Orthogonal Daughtercard, Unguided, 12 Columns, 216 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free

Documents:

[3D Model](#) [Application Specification AS-76850-990 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-76060-999 \(PDF\)](#)

General

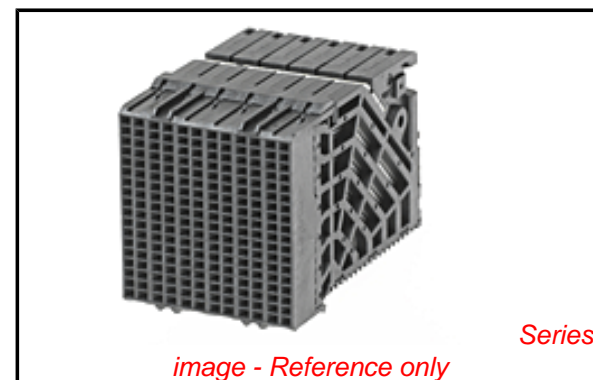
| | |
|-------------------------------|---|
| Product Family | Backplane Connectors |
| Series | 76290 |
| Application | Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane |
| Application Tooling Documents | TM-622018799 |
| Component Type | PCB Receptacle |
| Overview | Impact™ Backplane Connectors and Cable Assemblies |
| Product Name | Impact™ |
| Style | N/A |
| UPC | 884982035300 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 216 |
| Circuits (maximum) | 216 |
| 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 | 25.322/g |
| Number of Columns | 12 |
| Number of Pairs | 6 |
| Number of Rows | 18 |
| Orientation | Right Angle |
| PC Tail Length | 1.20mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.00mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.90mm, 2.15mm |
| Pitch - Termination Interface | 1.90mm, 2.15mm |
| Plating min - Mating | 0.762µm |
| Polarized to PCB | No |
| Stackable | Yes |
| Temperature Range - Operating | -55°C to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical

| | |
|-------------------------------|-----------|
| Current - Maximum per Contact | 0.75A |
| Data Rate | 25.0 Gbps |



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
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

[76290Series](#)

Mates With

[76285](#) Impact™ 100 Ohm Backplane Header

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description | Product # |
|--|----------------------------|
| Impact Daughter Card Extraction Tool | 0622024300 |
| Press in Tool for Daughter Card 6-Pair by 12-Column Assemblies | 0622018762 |

| | |
|-------------------|-----------------|
| Impedance | 100# |
| Shield Type | N/A |
| Shielded | No |
| Voltage - Maximum | 30V AC (RMS)/DC |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|----------------|
| Application Specification | AS-76850-990 |
| Product Specification | PS-76060-999 |
| Sales Drawing | SD-76290-001 |
| Symbol/Footprint Data | SYM-76290-1022 |

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