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**Part Number:** [83612-9024](#)  
**Status:** **Active**  
**Overview:** Commercial Micro-D High-Density Connectors  
**Description:** 1.27mm Pitch Commercial Micro D, PCB Mount, Vertical Plug, 15 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-83421-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |  |
|----------------|--|
| Product Family | I/O Connectors   |
| Series         | <a href="#">83612</a>                                      |
| Application    | Wire-to-Board  |
| Comments       | Pin Contact  |
| Component Type | Plug   |
| Overview       | <a href="#">Commercial Micro-D High-Density Connectors</a> |
| Product Name   | Commercial Micro-D   |
| Type           | N/A  |
| UPC            | 756054815779   |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Boot Color                     | N/A             |
| Circuits (Loaded)              | 15              |
| Circuits (maximum)             | 15              |
| Durability (mating cycles max) | 500             |
| Gender                         | Plug            |
| Lock to Mating Part            | Yes             |
| Material - Plating Mating      | Gold            |
| Net Weight                     | 4.740/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 2.79mm          |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.52mm          |
| Packaging Type                 | Tube            |
| Panel Mount                    | Yes             |
| Pitch - Mating Interface       | 1.27mm          |
| Pitch - Termination Interface  | 1.27mm          |
| Plating min - Mating           | 0.381µm         |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | Yes             |
| Ports                          | 1               |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +125°C |
| Termination Interface: Style   | Through Hole    |
| Waterproof / Dustproof         | No              |
| Wire Size AWG                  | N/A             |

**Electrical**

|                               |             |
|-------------------------------|-------------|
| Current - Maximum per Contact | 1A          |
| Shield Type                   | Full Shield |
| Shielded                      | Yes         |
| Voltage - Maximum             | 350V AC     |

**Material Info**



|  |  |
|--|--|
| <b>EU RoHS</b><br>RoHS Compliant by<br>Exemption<br>REACH SVHC<br>Contains SVHC: No<br>Low-Halogen Status<br>Low-Halogen | <b>China RoHS</b><br><br>Pb |
|--|--|

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[83612Series](#)

**Mates With**

[83422 Cable Assembly](#)

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-83421-001  
SD-83612-9024

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