

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0836129024](#)
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-83421-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|--|
| Product Family | I/O Connectors |
| Series | 83612 |
| Application | Wire-to-Board |
| Comments | Pin Contact |
| Component Type | Plug |
| Overview | Commercial Micro-D High-Density Connectors |
| 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 | 1.0A |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 350V AC |

Material Info

Reference - Drawing Numbers



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant with Exemption 6(c) REACH SVHC

Not Contained Per - ED/30/2017 (7 July 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

| | |
|-----------------|---------------|
| China ROHS | 50 Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[83612](#) Series

Mates With

[83422](#) Cable Assembly

This document was generated on 08/03/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION