



Part Number : 836129024

Series Number : 83612

Product Category : I/O Connectors

Product Description : 1.27mm Pitch  
Commercial Micro-D, PCB Mount, Vertical  
Plug, 15 Circuits

Status : Active

Documents & Resources

Drawings

Drawing 836129024\_sd.pdf

3D Models and Design Files


3D Model 836129024\_stp.zip

Specifications

Product Specification PS-83421-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Part Details

### General

Status	Active
Category	I/O Connectors
Series	83612
Description	1.27mm Pitch Commercial Micro-D, PCB Mount, Vertical Plug, 15 Circuits
Application	Wire-to-Board
Comments	Pin Contact
Component Type	Plug
Product Family	Commercial Micro-D High-Density Connectors
Product Name	Commercial Micro-D
Type	N/A
UPC	756054815779

### Electrical

Current - Maximum per Contact	1.0A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	350V AC

### 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

Packaging Type	Tube
Panel Mount	Yes
PC Tail Length	2.79mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.52mm
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
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	No
Wire Size (AWG)	N/A

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Commercial Micro-D Cable Receptacle Kits and Cable Assemblies	<u>83422</u>