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**Part Number:** [0836119001](#)  
**Status:** **Active**  
**Overview:** [commercial\\_microd](#)  
**Description:** Commerical Micro D, PCB Mount, Right Angle Plug, 9 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

Product Family	I/O Connectors
Series	<a href="#">83611</a>
Application	Wire-to-Board
Component Type	Plug
Overview	<a href="#">commercial_microd</a>
Product Literature Order No	USA-063
Product Name	Commercial Micro-D
Type	N/A

**Physical**

Circuits (Loaded)	9
Circuits (maximum)	9
Durability (mating cycles max)	500
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Orientation	Right Angle
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.79 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.060 In
PCB Thickness Recommended (mm)	1.52 mm
Packaging Type	Tube
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +125°C
Termination Interface: Style	Through Hole
Wire Size AWG	N/A

**Electrical**

Current - Maximum per Contact	1A
Shielded	Yes
Voltage - Maximum	350V AC

**Solder Process Data**

Lead-free Process Capability	Wave Capable (TH only)
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**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-83611-9001
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*image - Reference only*

Series

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free  
Status**

**China RoHS**



**Not Reviewed**

**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**

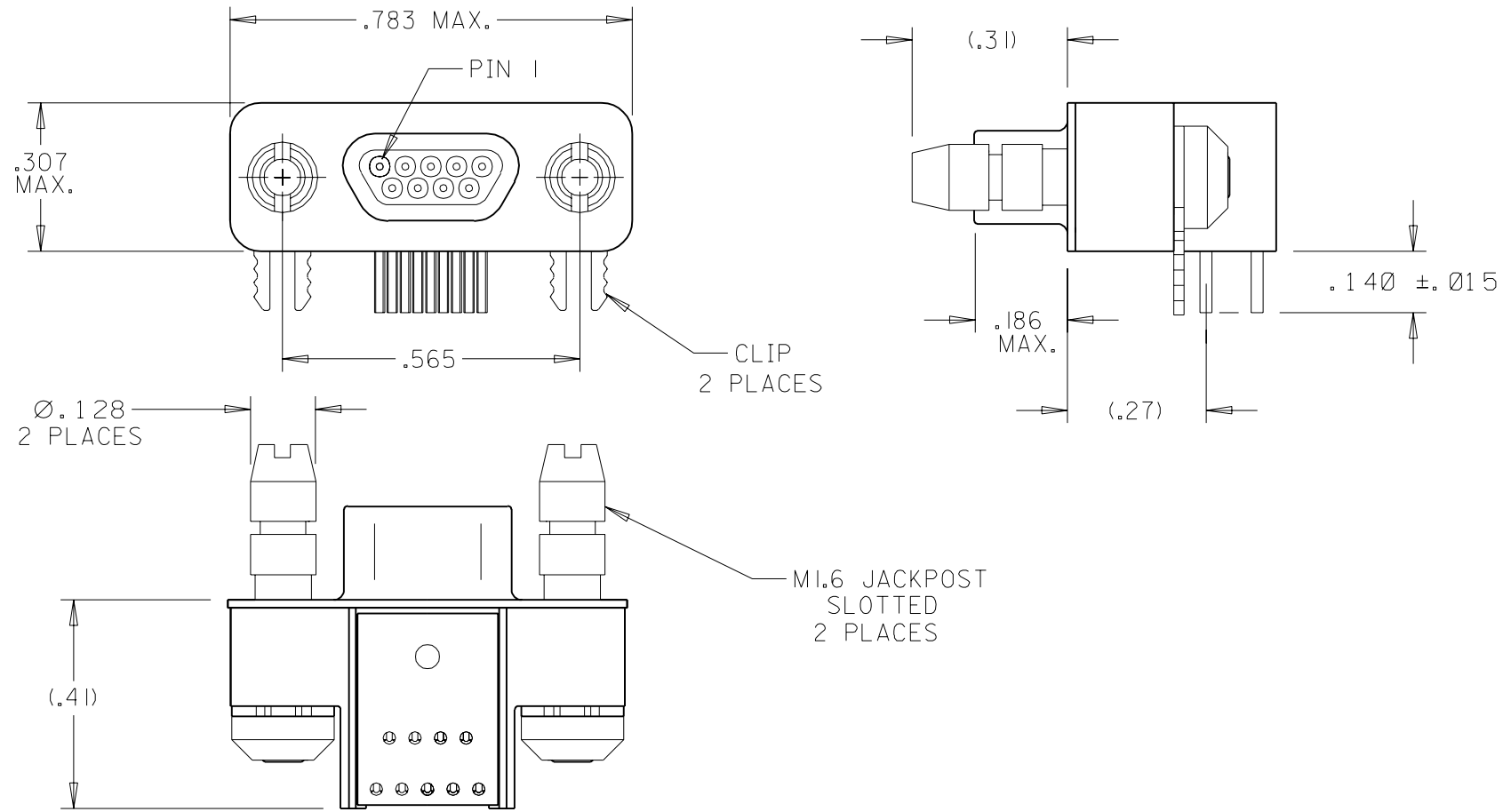
[83611Series](#)

**Mates With**

[83421 Cable Assembly](#)

This document was generated on 05/20/2010

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- 3. SEE SHEET 2 OF 2 FOR P.C.B. LAYOUT AND PANEL CUT-OUT DIMENSIONS.
  - 2. MARKING: NONE.
  - 1. REFER TO PS-83421-9000 FOR PRODUCT SPECIFICATION.
- NOTES: UNLESS OTHERWISE SPECIFIED.

				DIMENSIONS SHOWN (METRIC) INCH		REVISE ONLY ON CAD SYSTEM															
				UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE CONNECTOR PLUG, RIGHT ANGLE CIRCUIT, SIZE 9															
				<table border="1"> <thead> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> </thead> <tbody> <tr> <td>3 PLACE</td> <td>± .005</td> <td></td> </tr> <tr> <td>2 PLACE</td> <td>± .010</td> <td>± —</td> </tr> <tr> <td>1 PLACE</td> <td></td> <td>± —</td> </tr> </tbody> </table>			INCH	METRIC	3 PLACE	± .005		2 PLACE	± .010	± —	1 PLACE		± —	MATERIAL _____			
	INCH	METRIC																			
3 PLACE	± .005																				
2 PLACE	± .010	± —																			
1 PLACE		± —																			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		Ulti Mate  industrial interfaces		SHEET NO. 1 OF 2	DATE 22NOV96												
						PART NO. 83611-9001		DRWG. NO. SD-83611-9001													
LTR.		REVISIONS		LTR.		REVISIONS		FILE NAME 36119001.S99													
				DRWG. BY D.URBACH		CHK'D. BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.													
				APP'D. BY		SCALE 3 : 1		SIZE A													