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Part Number: [0836199003](#)
Status: **Active**
Overview: [commercial_microd](#)
Description: 1.27mm (.050") Pitch Ulti-Mate™ Commerical Micro D, Dual Stack, PCB Mount, Right Angle Plug, 18 Circuits

Documents:

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

General

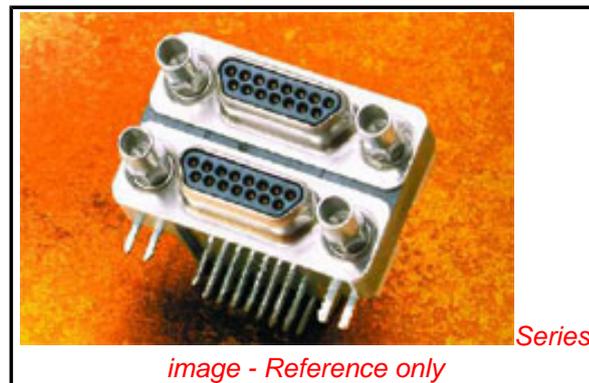
Product Family	I/O Connectors
Series	83619
Application	Wire-to-Board
Comments	Dual Stack
Component Type	Plug
Overview	commercial_microd
Product Literature Order No	USA-063
Product Name	Commercial Micro-D
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	18
Circuits (maximum)	18
Durability (mating cycles max)	500
Gender	Plug
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.79 mm
PCB Locator	Yes
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
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
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
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Series

image - Reference only

EU RoHS

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

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

[83619Series](#)

Mates With

[83421 Cable Assembly](#)

Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	350V AC

Solder Process Data

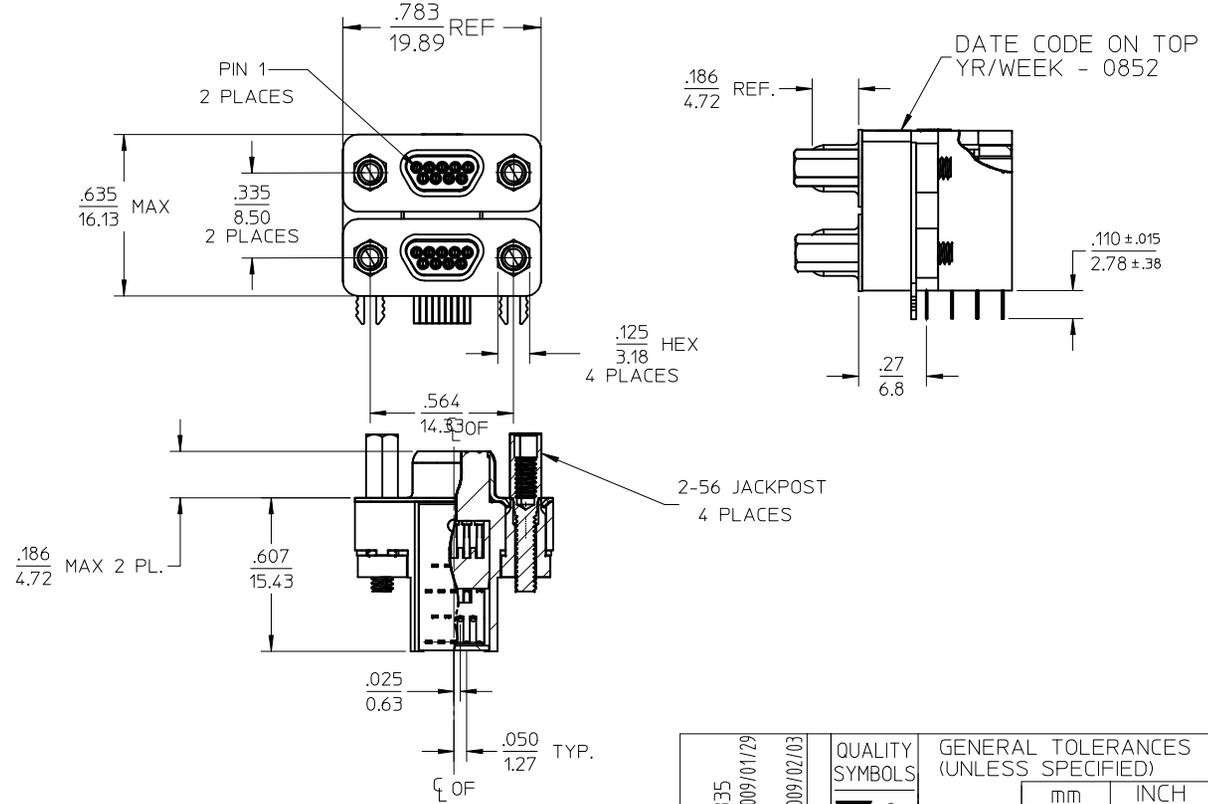
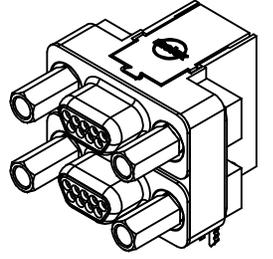
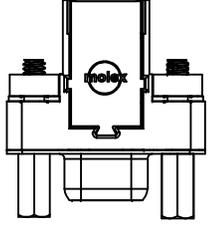
Max. Cycles at Max. Process Temperature	0
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Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-83619-008
Product Specification	PS-83421-001
Sales Drawing	SD-83619-008

This document was generated on 05/26/2010

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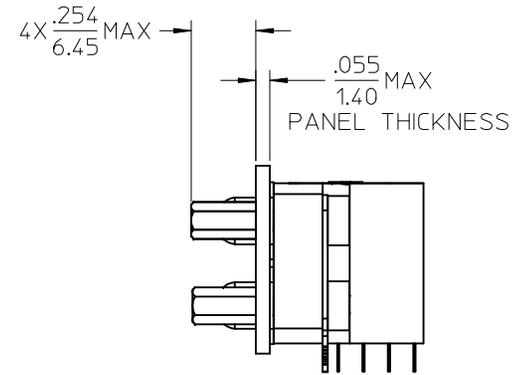
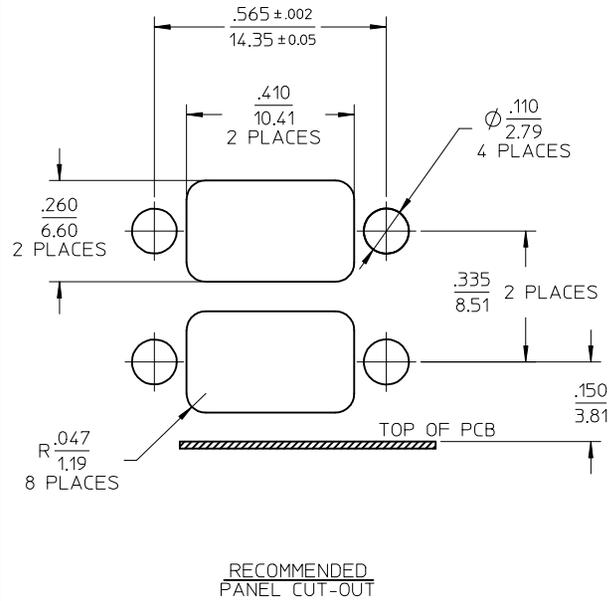
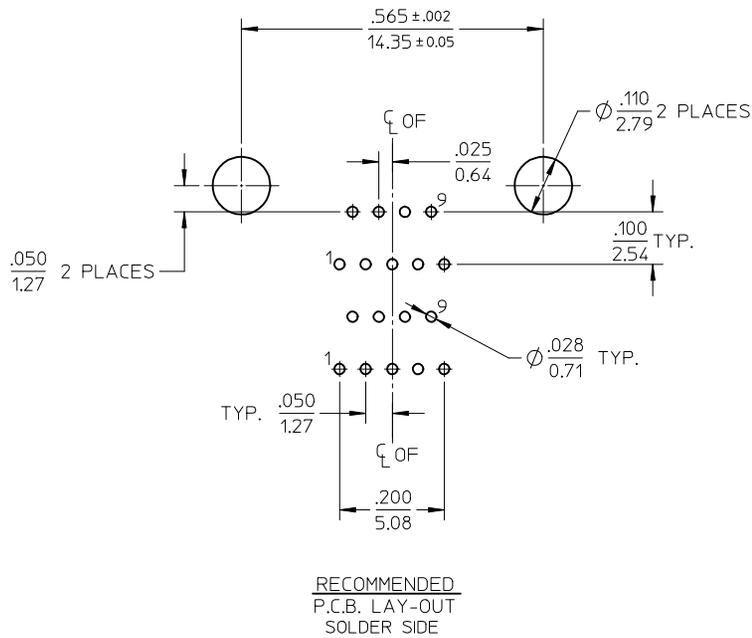


SALES DRAWING

- 4. RoHS COMPLIANT
 - 3. FOR PRODUCT SPEC SEE PS-83421-001
 - 2. SEE SHEET 2 OF 2 FOR P.C.B. LAYOUT AND PANEL CUT-OUT DIMENSIONS.
 - 1. MARKING: NONE.
- NOTES UNLESS OTHERWISE SPECIFIED

REDRAWN EC NO: WNA2009-0335 DRWN: BRUPERT 2009/01/29 CHKD: APPR: JFURPHY 2009/02/03	DESCRIPTION REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
		▽=0 ∇=0		mm INCH		IN/MM		2:1		INCH		DUAL CONN PLG RT ANG, COMM-D, SIZE 9	
		4 PLACES ± --- ± ---		DRAWN BY DATE JLOMASTR 04/09/20		CHECKED BY DATE RDEROSS 04/09/27		TITLE					
		2 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± ---		APPROVED BY DATE RDEROSS 04/09/29		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX INCORPORATED SD-83619-008		1 OF 2			
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10	9	8	7	6	5	4	3	2	1
MATERIAL NO.	ENGINEERING NO.								
836199003	83619-9003								



REDRAWN EC NO: WNA2009-0335 DRWN:BRUPERT 2009/01/29 CHKD: APPR: J MURPHY 2009/02/03 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla = 0$ $\nabla C = 0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .005</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .005	2 PLACES	± 0.13	± .01	1 PLACE	± 0.25	± ---	IN/MM DRAWN BY: JLOMASTR DATE: 04/09/20 CHECKED BY: RDEROSS DATE: 04/09/27 APPROVED BY: RDEROSS DATE: 04/09/29	2:1	INCH	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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