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**Part Number:** [0872031046](#)  
**Status:** **Active**  
**Description:** D-Subminiature Shielded I/O PCB Male Plug, Right Angle, Through Hole, 9 Circuits, 4-40 Hex Internal Thread Screws Included, Gold (Au) 0.76µm (30µ")  
**Replacement Part Number:** NO REPLACEMENT PART AVAILABLE

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family I/O Connectors  
 Series [87203](#)  
 Application Wire-to-Board  
 Comments Shell: Steel  
 Component Type Plug  
 Obsolete Date 2006/07/01  
 Product Name D-Sub, DB9  
 Replacement Part Number NO REPLACEMENT PART AVAILABLE  
 Type N/A

**Physical**

Circuits (Loaded) 9  
 Circuits (maximum) 9  
 Flammability 94V-0  
 Lock to Mating Part Yes  
 Material - Plating Mating Gold  
 Orientation Right Angle  
 PC Tail Length (in) 0.125 In  
 PC Tail Length (mm) 3.18 mm  
 PCB Retention Yes  
 PCB Thickness Recommended (in) 0.040 In  
 PCB Thickness Recommended (mm) 1.00 mm  
 Packaging Type Tray  
 Panel Mount Yes  
 Pitch - Mating Interface (in) 0.109 In  
 Pitch - Mating Interface (mm) 2.77 mm  
 Plating min: Mating (µin) 30  
 Plating min: Mating (µm) 0.76  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole  
 Wire Size AWG N/A

**Electrical**

Current - Maximum per Contact 1A  
 Shielded Yes  
 Voltage - Maximum 300V

**Material Info**

**EU RoHS**

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

**China RoHS**



**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**

[87203Series](#)

**Mates With**

[87204](#)

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E

D

C  
DIMENSIONS IN METRIC DO NOT SCALE DRAWING

B

A

番号説明

PART NUMBER LEGEND

種類 TYPE OPTION 極数 CKT SIZE ヌッキ厚 PLATING 付属ネジ SCREW OPTION

87203

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- 0: #4-40 UNCねじリベット  
1.0mm 厚基板対応金属ベグ付  
#4-40 UNC thread rivet with fork board  
lock for 1.0mm PCB
- 1: M2.6 ねじリベット  
1.0mm 厚基板対応金属ベグ付  
M2.6 thread rivet with fork board  
lock for 1.0mm PCB
- 2: M3 ねじリベット  
1.0mm 厚基板対応金属ベグ付  
M3 thread rivet with fork board  
lock for 1.0mm PCB
- 6: #4-40 UNCねじリベット  
1.6mm 厚基板対応金属ベグ付  
#4-40 UNC thread rivet with fork board  
lock for 1.6mm PCB
- 7: M2.6 ねじリベット  
1.6mm 厚基板対応金属ベグ付  
M2.6 thread rivet with fork board  
lock for 1.6mm PCB
- 8: M3 ねじリベット  
1.6mm 厚基板対応金属ベグ付  
M3 thread rivet with fork board  
lock for 1.6mm PCB

- 0: 9極  
9CKT.
- 1: 15極  
15CKT.
- 3: 25極  
25CKT.
- 4: 37極  
37CKT.

- 4: 0.762µm Au
- 5: 0.38µm Au
- 6: GOLD FLASH (0.1µm Au)

- 2: 付属品無し  
Flush insert only
- 3: #4-40 UNC 取り付けねじ 2本装着  
2 pcs #4-40 UNC inner thread screw assembled
- 4: M2.6 取り付けねじ 2本装着  
2 pcs M2.6 inner thread screw assembled
- 5: M3 取り付けねじ 2本装着  
2 pcs M3 inner thread screw assembled
- 6: #4-40 UNC 取り付けねじ 2本同梱  
2 pcs #4-40 UNC inner thread screw attached
- 7: M2.6 取り付けねじ 2本同梱  
2 pcs M2.6 inner thread screw attached
- 8: M3 取り付けねじ 2本同梱  
2 pcs M3 inner thread screw attached

						材料 MATERIAL SEE NOTES		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
						仕上げ FINISH SEE NOTES		REVISE ONLY ON CAD SYSTEM	
						適用電線範囲 WIRE RANGE — # —		TITLE 名称 D-SUB MALE,METAL SHELL	
						被覆外径 INS. RANGE — # —		DRAWN BY <i>K. Shiroishi</i>	
						DRAWN BY <i>K. Shiroishi</i>		CHK'D BY <i>M. Sarai</i>	
						DRAWN BY <i>K. Shiroishi</i>		DWG. NO. SHEET 2 of 2	
						DRAWN BY <i>K. Shiroishi</i>		SDA-87203-*****	
						DRAWN BY <i>K. Shiroishi</i>		REV 0	
角度 ANGLE ±3°		30以上 OVER +0.3		10以上 30未満 UNDER +0.25		10未満 UNDER +0.2		GENERAL TOLERANCES	
記号 LTR		新規作成 (T40445) RELEASED		変更内容 REVISION RECORD		DR. CHK. 日付 DATE		APP'D BY <i>K. Shiroishi</i>	
								尺度 SCALE 2-1	