

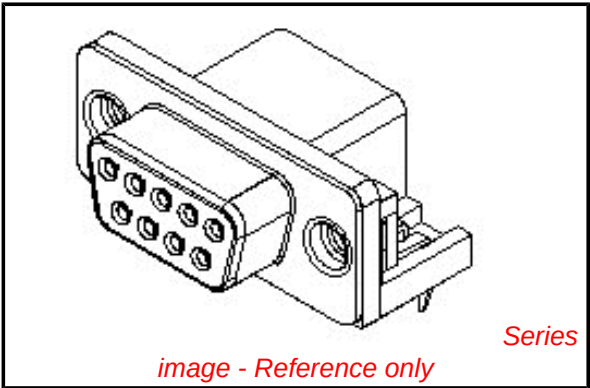
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Part Number: [0482036743](#)
Status: **Active**
Description: High Density, DDC Compatible D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 15 Circuits, Blue Housing, 2 #4-40 Hex Internal Thread Screws Assembled (L=5mm), 0.76µm (30µ") Gold (Au) Plating, Lead Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-48203-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	I/O Connectors
Series	48203
Application	Wire-to-Board
Comments	Socket #9 is moved back 1.27mm for DCC Compatibility; Housing Color: Blue
Component Type	Receptacle
Product Name	D-Sub, DB15
Type	N/A

Physical	
Boot Color	N/A
Circuits (Loaded)	15
Circuits (maximum)	15
Color - Resin	Blue
Gender	Receptacle
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	3
Orientation	Right Angle
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.090 In
Pitch - Mating Interface (mm)	2.29 mm
Pitch - Term. Interface (in)	0.090 In
Pitch - Term. Interface (mm)	2.29 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No



EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

Pb

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
[48203Series](#)

Mates With
[48202](#)

Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1A
Grounding to Panel	Press-Fit
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-48203-001
Sales Drawing	SD-48203-002

This document was generated on 03/31/2010

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E

D

C

B

A

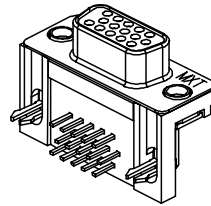
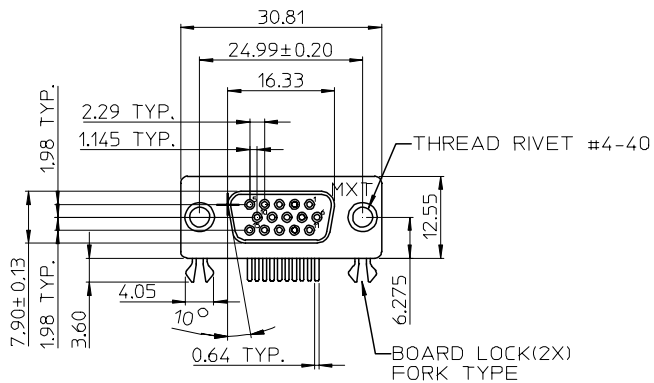
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NOTE:

1. MATERIAL:

HOUSING: POLYESTER GLASS FILLED,UL94-V0.

COLOR:BLUE

TERMINAL: PHOSPHOR BRONZE

METAL SHELL: SPCC

BOARD LOCK: BRASS

SCREW: BRASS

2. PLATING:

TERMINAL:

CONTACT AREA: SEE PART NUMBER LEGEND

SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.

UNDER PLATE: NICKEL(Ni), THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

METAL SHELL: TIN (Sn),THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.

UNDER PLATE: COPPER(Cu), THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

BOARD LOCK: TIN (Sn),THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

SCREW: NICKEL(Ni),THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

3. SOCKET *9 IS MOVED BACK 1.27mm FOR DDC COMPATIBILITY

4. RECOMMENDED PCB THICKNESS: 1.60+/-0.05mm

5. PRODUCT SPECIFICATION: REFER TO PS-48203-001

6. TEST SUMMARY: REFER TO TS-48203-002

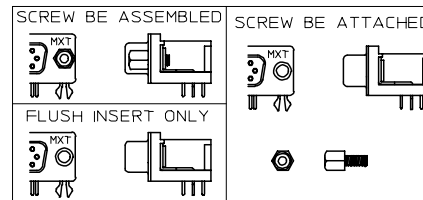
7. PACKAGING SPECIFICATION: REFER TO PK-48203-001

8. LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

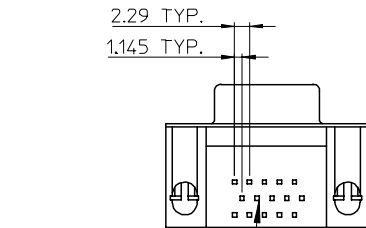
48203-6

CKT SIZE 7 PLATING * SCREW OPTION *

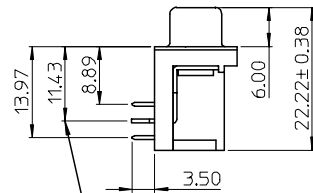


- 2:FLUSH INSERT ONLY
- 3:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 4:2 PCS M2.6 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 5:2 PCS M3 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 6:2 PCS #4-40 INNER THREAD SCREW ATTACHED (L=5mm)
 - 7:2 PCS M2.6 INNER THREAD SCREW ATTACHED (L=5mm)
 - 8:2 PCS M3 INNER THREAD SCREW ATTACHED (L=5mm)
 - 9:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED (L=6mm)

- 4:30 MICRO INCH MINIMUM GOLD IN CONTACT AREA
- 5:15 MICRO INCH MINIMUM GOLD IN CONTACT AREA
- 6:GOLD FLASH ALL OVER
- 7:GOLD FLASH IN CONTACT AREA

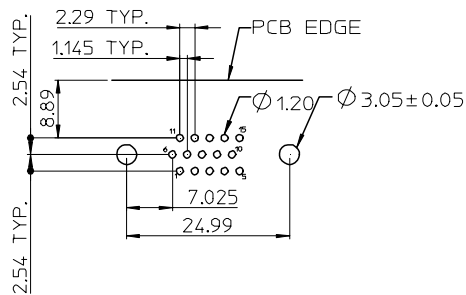


SOCKET *9(SEE NOTE 3)



BASE ON CENTER ROW OF TERMINAL TAILS

RECOMMENDED PCB LAYOUT



L/F FOR 89263-67**
EC NO: SH200609050
DRWN: JCHEN12 2005/07/29
CHKD: 2005/08/02
APPR: WWSCHANG 2005/08/04

QUALITY SYMBOLS
=0
=0
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
LINDA	2005/04/26
CHECKED BY	DATE
ALL IN	2005/04/26
APPROVED BY	DATE
WWSCHANG	2005/04/26
MATERIAL NO.	
48203-67**	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE HI-DENSITY 15 CIRCUIT DDC COMPATIBLE D-SUB (LEAD FREE VERSION)		
molex MOLEX INCORPORATED		
DOCUMENT NO. SD-48203-002		SHEET NO. 1 OF 1