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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

Series

Application

Comments

Component Type

Product Name

Type

I/O Connectors

48203

Wire-to-Board

Socket #9 is moved back 1.27mm for DCC Compatibility; Housing Color: Blue

Receptacle

D-Sub, DB15

N/A

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Gender

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Waterproof / Dustproof

N/A

15

15

Blue

Receptacle

Yes

Phosphor Bronze

Gold

Tin

Polyester

3

Right Angle

0.138 In

3.50 mm

Yes

Yes

0.063 In

1.60 mm

Tray

Yes

0.090 In

2.29 mm

0.090 In

2.29 mm

30

0.75

100

2.54

Yes

Yes

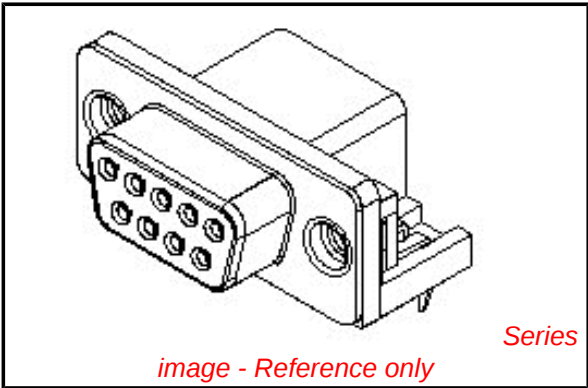
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No

-40°C to +85°C

Through Hole

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

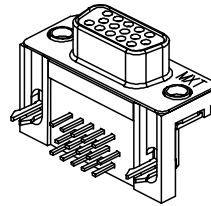
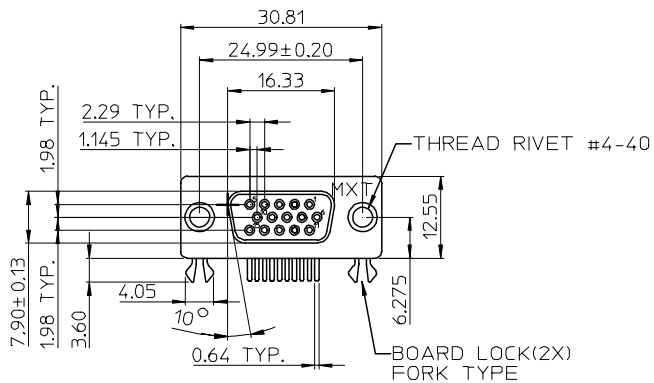
E

D

C

B

A



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

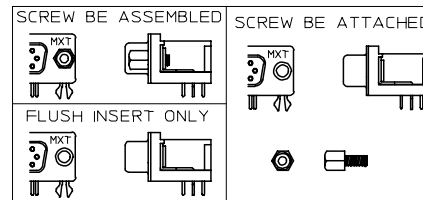
7. PACKAGING SPECIFICATION: REFER TO PK-48203-001

8. LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

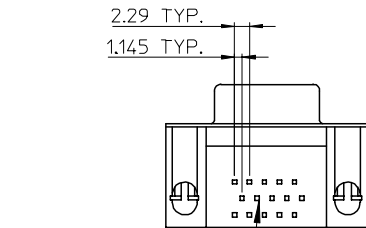
48203-6

CKT SIZE 7 PLATING * SCREW OPTION *

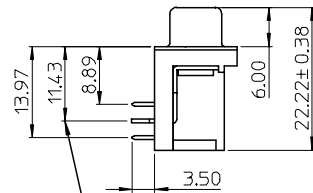


- 2:FLUSH INSERT ONLY
- 3:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 4:2 PCS M2.6 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 5:2 PCS M3 INNER THREAD SCREW ASSEMBLED (L=5mm)
 - 6:2 PCS #4-40 INNER THREAD SCREW ATTACHED (L=5mm)
 - 7:2 PCS M2.6 INNER THREAD SCREW ATTACHED (L=5mm)
 - 8:2 PCS M3 INNER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

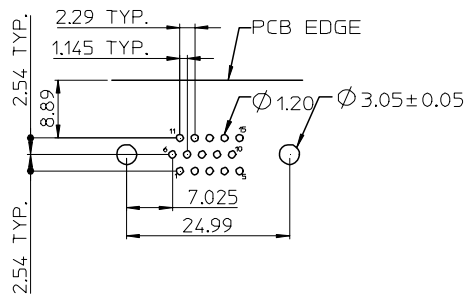


SOCKET *9(SEE NOTE 3)



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