

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

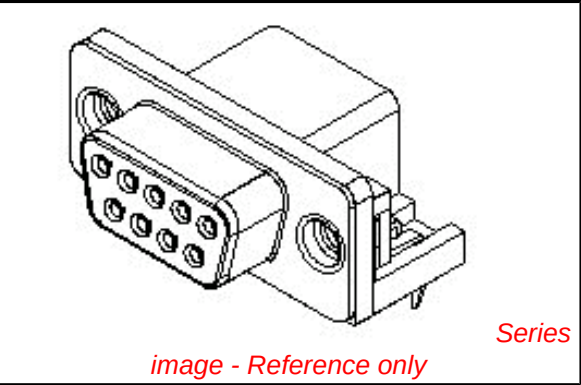
0482036062

Status:

Active

Description:

High Density, DDC Compatible D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 15 Circuits, Screw Hole, Threaded, Black Housing, Overall Gold (Au) Flash, Lead Free



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

General	
Product Family	I/O Connectors
Series	48203
Application	Wire-to-Board
Component Type	Receptacle
Product Name	D-Sub, DB15
Type	N/A
Physical	
Boot Color	N/A
Circuits (Loaded)	15
Circuits (maximum)	15
Color - Resin	Black
Durability (mating cycles max)	600
Gender	Receptacle
Lock to Mating Part	No
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)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
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
Wire Size AWG	N/A

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

48203Series

Mates With

48202

Electrical

Current - Maximum per Contact	1A
Grounding to Panel	Press-Fit
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC

Solder Process Data

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

Reference - Drawing Numbers

Product Specification	PS-48203-001
Sales Drawing	SD-48203-001

This document was generated on 03/31/2010

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E

E

D

D

C

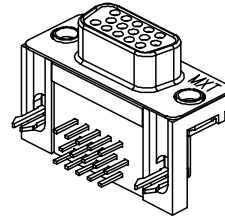
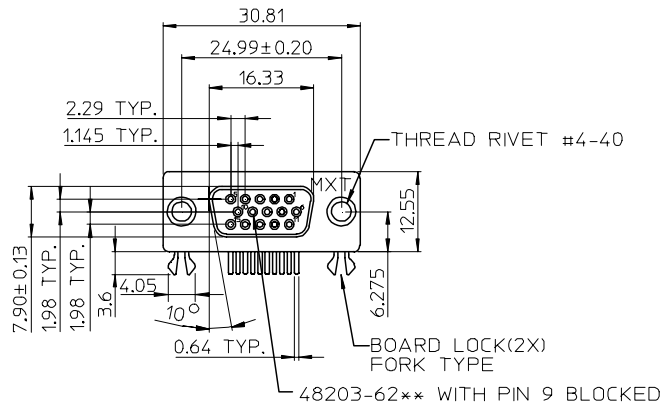
C

B

B

A

A



NOTE:

1.MATERIAL:

HOUSING: POLYESTER GLASS FILLED,UL94-V0,COLOR:BLACK
TERMINAL: PHOSPHOR BRONZE
METAL SHELL: SPCC
BOARD LOCK: BRASS
SCREW: BRASS

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

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

5.TEST SUMMARY: REFER TO TS-48203-001

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

7.LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

48203-6

CKT SIZE

PLATING

SCREW OPTION

0:FOR FULL 15 PIN
2:FOR PIN 9 BLOCKED

2:FLUSH INSERT ONLY

3:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED

4:2 PCS M2.6 INNER THREAD SCREW ASSEMBLED

5:2 PCS M3 INNER THREAD SCREW ASSEMBLED

6:2 PCS #4-40 INNER THREAD SCREW ATTACHED

7:2 PCS M2.6 INNER THREAD SCREW ATTACHED

8:2 PCS M3 INNER THREAD SCREW ATTACHED

9:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED

WITH EPOXY FIXED

(EPOXY BONDAGE STRENGTH SPEC:2.5 kg-cm MIN., MEASURED AT BROKEN POINT)

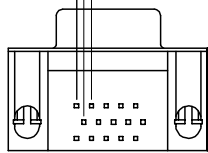
4:30 MICROINCH MINIMUM GOLD IN CONTACT AREA

5:15 MICROINCH MINIMUM GOLD IN CONTACT AREA

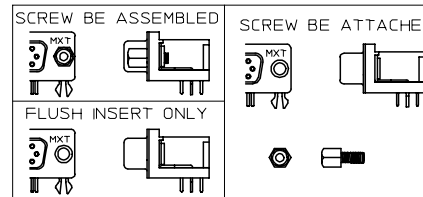
6:GOLD FLASH ALL OVER

7:GOLD FLASH IN CONTACT AREA

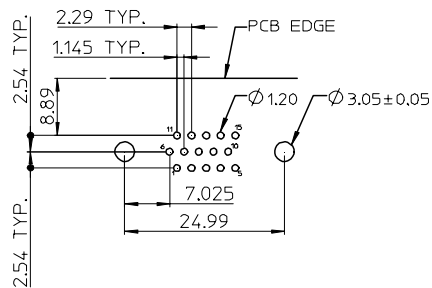
2.29 TYP.
1.145 TYP.



BASE ON CENTER ROW OF TERMINAL TAILS



RECOMMENDED PCB LAYOUT



L/F FOR 89263-6*** EC NO: SH2005020202 DRWN: JCHEN12 CHKD: 2005/07/22 APPR: JOHUANG 2005/07/22	QUALITY SYMBOLS ▽=0 C=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY LINDA	DATE 2005/04/25	HI-DENSITY 15 CIRCUIT D-SUB FORK BOARD LOCK (LEAD FREE VERSION)			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	ALL IN	2005/04/25				
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
			1 PLACE	± 0.25	± ---	WWSCHANG	2005/04/25				
			ANGULAR ± 3 °			MATERIAL NO. 48203-6***		DOCUMENT NO. SD-48203-001			SHEET NO. 1 OF 1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								