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Part Number: [0482036362](#)

Status: **Active**

Description: High Density, DDC Compatible D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 44 Circuits, Flush Insert only, Black Housing, Overall Gold (Au) Flash 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
Component Type	Receptacle
Product Name	D-Sub
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	44
Circuits (maximum)	44
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)	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
Wire Size AWG	N/A

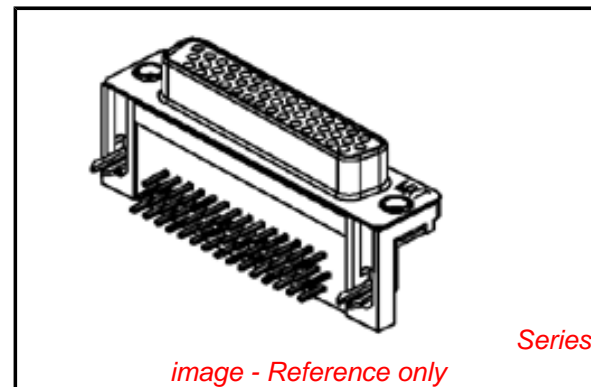


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

**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.

China RoHS



Search Parts in this Series

[48203Series](#)

Electrical

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

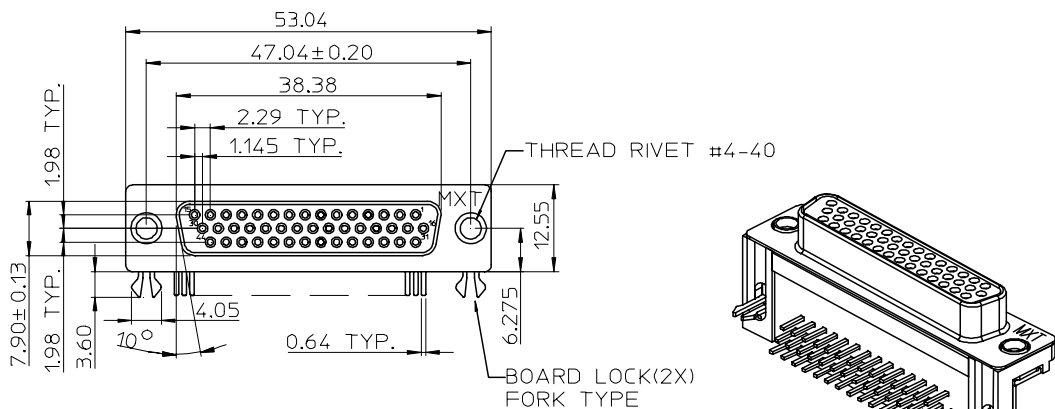
Material Info**Reference - Drawing Numbers**

Product Specification	PS-48203-001
Sales Drawing	SD-48203-003

This document was generated on 03/31/2010

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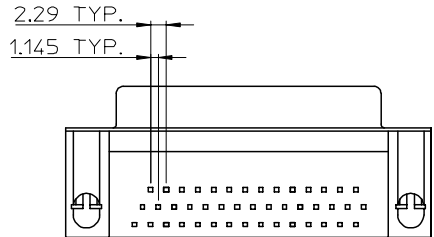
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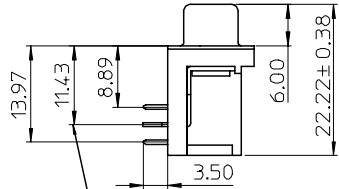
NOTES:
 1.MATERIAL:
 HOUSING: POLYESTER GLASS FILLED,UL94-V0.COLOR:BLACK
 TERMINAL: PHOSPHOR BRONZE
 METAL SHELL: SPCC
 BOARD LOCK: BRASS
 SCREW: BRASS
 2.PLATING:
 TERMINAL:
 CONTACT AREA: SEE PART NUMBER LEGEND
 SOLDER TAIL: TIN(Sn),THICKNESS=100 MICREINCH MIN/2.54 MICROMETER MIN.
 UNDER PLATE: NICKEL(Ni),
 METAL SHELL: TIN(Sn),THICKNESS=100 MICREINCH MIN/2.54 MICROMETER MIN.
 UNDER PLATE: COPPER(Cu),
 BOARD LOCK: TIN (Sn), THICKNESS=50 MICREINCH MIN/1.27 MICROMETER MIN.
 SCREW: NICKEL(Ni),
 3.RECOMMANDED PCB THICKNESS: 1.60+/-0.05mm
 4.PRODUCT SPECIFICATION: REFER TO PS-48203-001
 5.TEST SUMMARY: REFER TO TS-48203-003.
 6.PACKAGING SPECIFICATION: REFER TO PK-48203-001
 7.LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

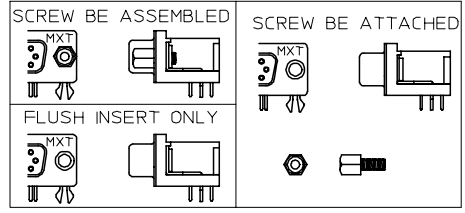
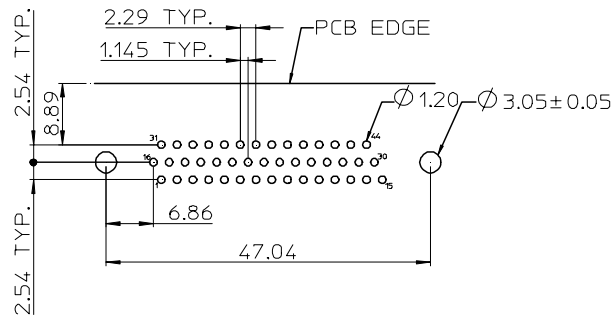
CKT SIZE	PLATING	SCREW OPTION	
48203-6	3	*	*
			2:FLUSH INSERT ONLY 3:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED 4:2 PCS M2.6 INNER THREAD SCREW ASSEMBLED 5:2 PCS M3 INNER THREAD SCREW ASSEMBLED 6:2 PCS #4-40 INNER THREAD SCREW ATTACHED 7:2 PCS M2.6 INNER THREAD SCREW ATTACHED 8:2 PCS M3 INNER THREAD SCREW 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 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



RECOMMENDED PCB LAYOUT



BASE ON CENTER ROW OF TERMINAL TAILS



L/F FOR 89263-63** EC NO: SH2006-0340 DRW:ALLIN 2006/01/25 CHKD: 2006/01/26 APPR:WMSCHANG 2006/01/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0 ▽=0	mm INCH	MM ONLY		METRIC		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DRAWN BY DATE LINDA 2006/01/04 CHECKED BY DATE ALLEN LIN 2006/01/05 APPROVED BY DATE WILSON CHANG 2006/01/05	TITLE			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.			
A	REV		SIZE A3	SEE NOTES	SD-48203-003	SHEET NO. 1 OF 1	

HI-DENSITY 44 CKT D-SUB WITH FORK BOARD LOCK (LEAD FREE VERSION)
 MOLEX INCORPORATED

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