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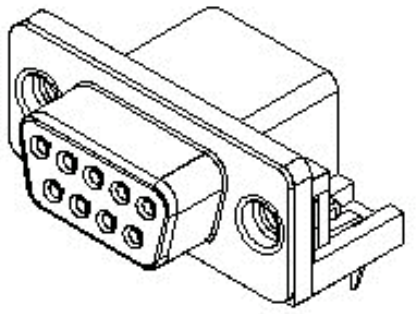
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0482036046

Status: Active

Description: High Density, DDC Compatible D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, Full 15 Circuits, 2 #4-40 Hex Internal Thread Screws Attached, Black Housing, 0.76µm (30µ") Gold (Au) Plating, Lead Free



Series image - Reference only

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, DB15
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	15
Circuits (maximum)	15
Color - Resin	Black
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)	0.76
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

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

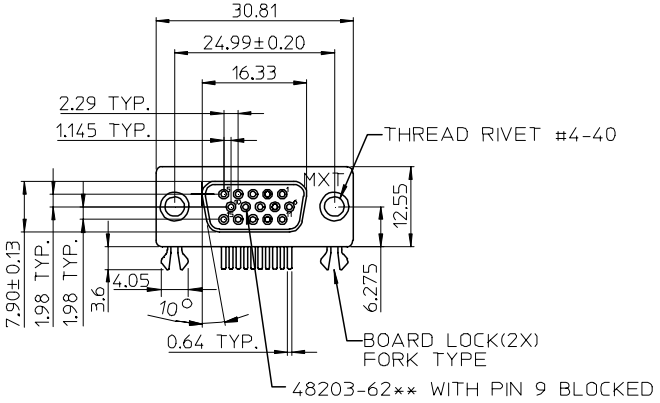
Material Info

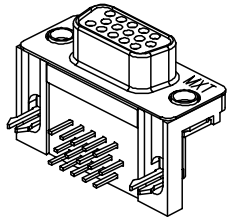
Reference - Drawing Numbers

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

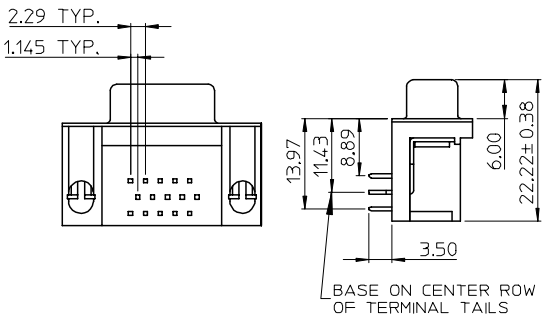
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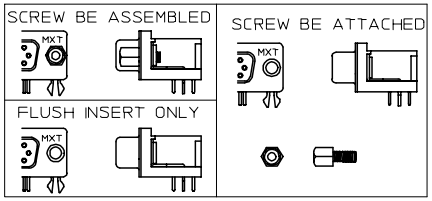
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NOTE:
1.MATERIAL:
HOUSING: POLYESTER GLASS FILLED,UL94-V0,COLOR:BLACK
TERMINAL: PHOSPHOR BRONZE
METAL SHELL: SPCC
BOARD LOCK: BRASS
SCREW: BRASS
2.TERMINAL:
CONTACT AREA: SEE PART NUMBER LEGEND
SOLDER TAIL:TIN(Sn),THICKNESS=100 MICROINCH MIN/2.54 MICROMETER 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.RECOMMANDED 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

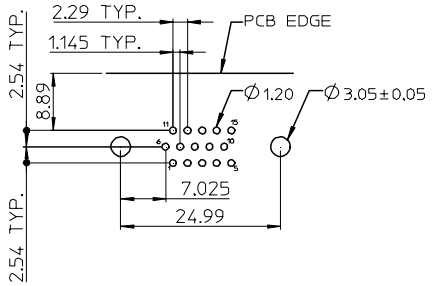
48203-6 CKT SIZE * PLATING * SCREW OPTION *

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

RECOMMENDED PCB LAYOUT



L/F FOR 89263-6***
EC NO: SH2005020202 2005/07/22
DRWN: JCHEN12 2005/07/22
CH'KD: 2005/07/22
APPR: JOHUANG
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
▽=0

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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LINDA DATE: 2005/04/25
CHECKED BY: ALLIN DATE: 2005/04/25
APPROVED BY: WWSCHANG DATE: 2005/04/25

TITLE: HI-DENSITY 15 CIRCUIT D-SUB FORK BOARD LOCK (LEAD FREE VERSION)

MOLEX INCORPORATED

MATERIAL NO.: 48203-6***
DOCUMENT NO.: SD-48203-001
SHEET NO.: 1 OF 1
SIZE: A4

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