

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0482016053

Status:

Active

Description:

D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 9 Circuits, #4-40 Flush Insert, 2 #4-40 Hex Internal Thread Screws Assembled, 0.38µm (15µ") Gold (Au) Plating, PCB Thickness 1.60mm (.063"), Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48201-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	48201
Application	Wire-to-Board
Component Type	Receptacle
Product Name	D-Sub
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	9
Circuits (maximum)	9
Color - Resin	Black
Gender	Female
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.125 In
PC Tail Length (mm)	3.18 mm
PCB Locator	No
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)	0.054 In
Pitch - Mating Interface (mm)	1.38 mm
Pitch - Term. Interface (in)	0.054 In
Pitch - Term. Interface (mm)	1.38 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
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	-55°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

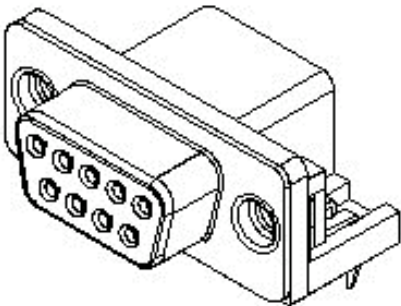


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

48201Series

Mates With

48202 D-Sub Male Plug

Electrical

Current - Maximum per Contact	1A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC

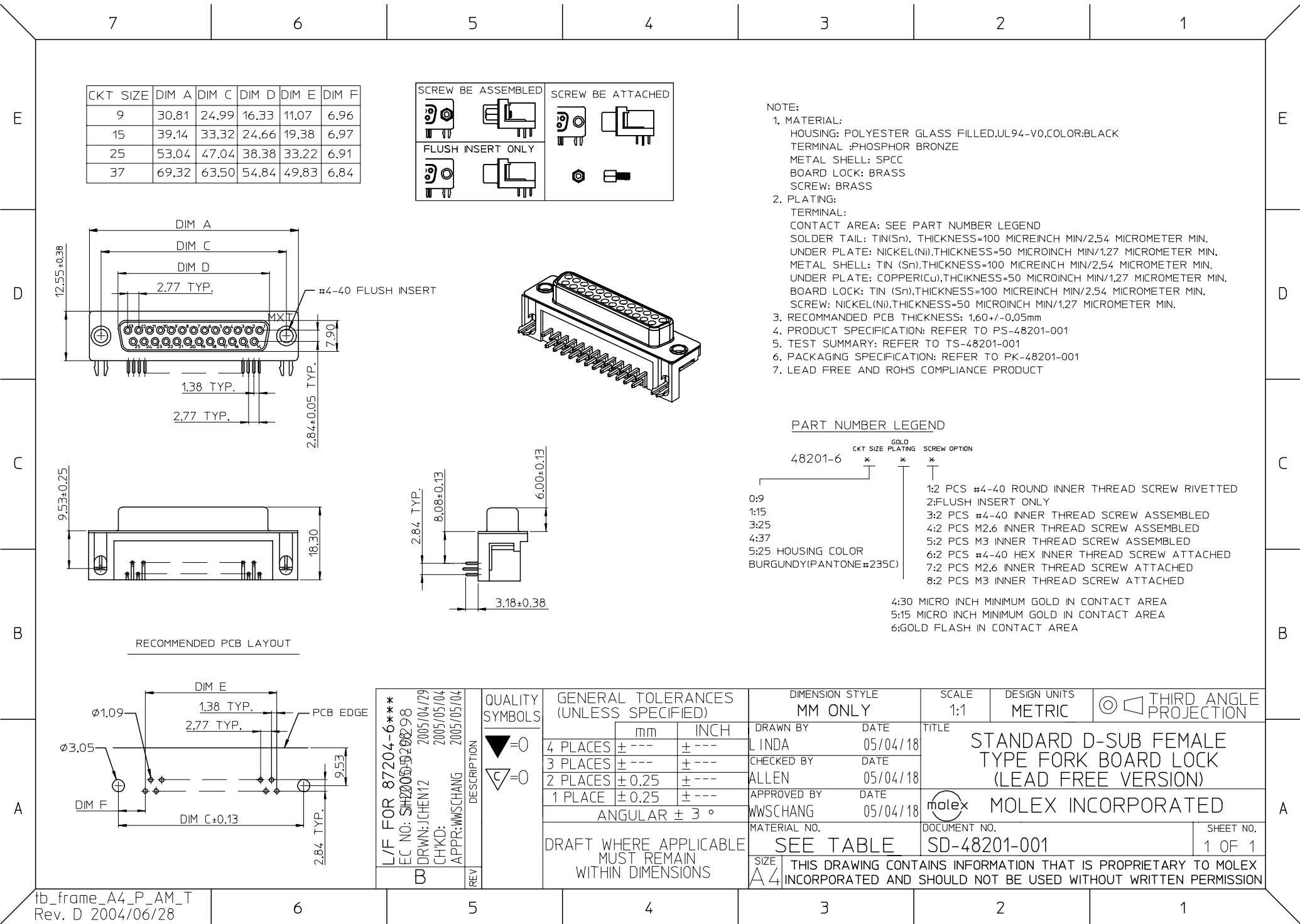
Material Info

Reference - Drawing Numbers

Product Specification	PS-48201-001
Sales Drawing	SD-48201-001

This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



7

6

5

4

3

2

1

SCREW BE ASSEMBLED

FLUSH INSERT ONLY

SCREW BE ATTACHED

NOTE:

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 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=100 MICROINCH MIN/2.54 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-48201-001

5. TEST SUMMARY: REFER TO TS-48201-001

6. PACKAGING SPECIFICATION: REFER TO PK-48201-001

7. LEAD FREE AND ROHS COMPLIANCE PRODUCT

7

6

5

4

3

2

1

3.18±0.38

2.84 TYP.

8.08±0.13

6.00±0.13

PART NUMBER LEGEND

48201-6

0:9

1:15

3:25

4:37

5:25 HOUSING COLOR BURGUNDY(PANTONE#235C)

1:2 PCS #4-40 ROUND INNER THREAD SCREW RIVETTED

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 HEX INNER THREAD SCREW ATTACHED

7:2 PCS M2.6 INNER THREAD SCREW ATTACHED

8:2 PCS M3 INNER THREAD SCREW ATTACHED

4:30 MICRO INCH MINIMUM GOLD IN CONTACT AREA

5:15 MICRO INCH MINIMUM GOLD IN CONTACT AREA

6:GOLD FLASH IN CONTACT AREA

7

6

5

4

3

2

1

L/F FOR 87204-6***

EC NO: SH200505200298

DRWN:JCHEN12

CHKD: 2005/05/04

APPR:WWSCHANG

2005/05/04

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION STYLE

SCALE

DESIGN UNITS

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

STANDARD D-SUB FEMALE TYPE FORK BOARD LOCK (LEAD FREE VERSION)

MOLEX INCORPORATED

SD-48201-001

1 OF 1

7

6

5

4

3

2

1

7

6

5

4

3

2

1