

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0482016362

Status:

Active

Description:

D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 25 Circuits, #4-40 Flush Insert, Screw Hole, Threaded, Gold (Au) Flash, 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

Comments

Shell: Steel, Flush Insert only

Component Type

Receptacle

Product Name

D-Sub

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

25

Circuits (maximum)

25

Color - Resin

Black

Durability (mating cycles max)

600

Gender

Female

Lock to Mating Part

No

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)

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

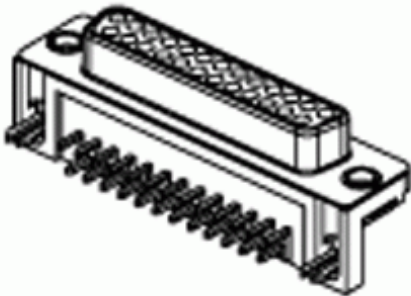
-55°C to +85°C

Termination Interface: Style

Through Hole

Waterproof / Dustproof

No



Series

image - Reference only

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

48201Series

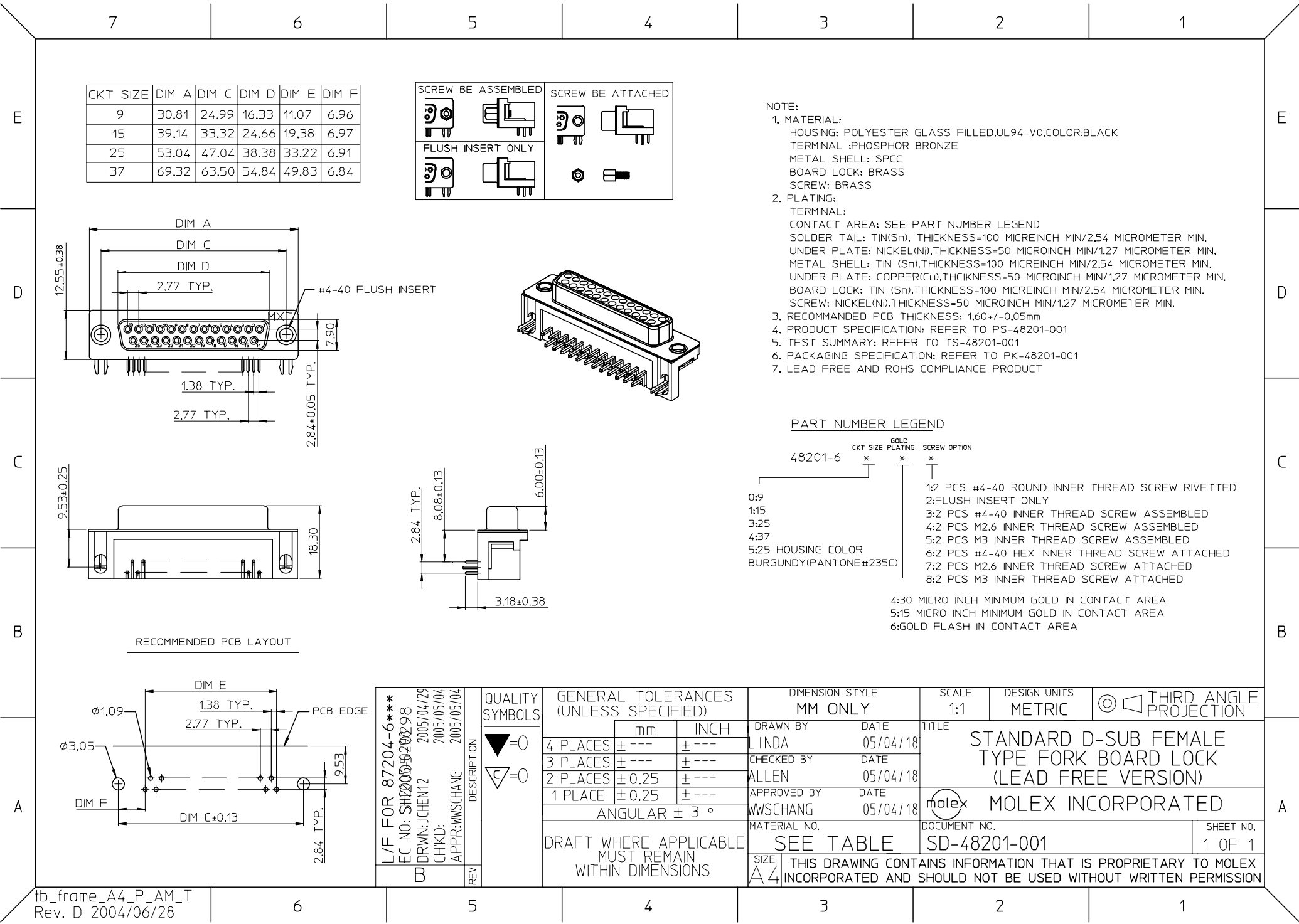
Mates With

48202 D-Sub Male Plug

Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-48201-001
Sales Drawing	SD-48201-001

This document was generated on 03/31/2010

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CKT SIZE	DIM A	DIM C	DIM D	DIM E	DIM F
9	30.81	24.99	16.33	11.07	6.96
15	39.14	33.32	24.66	19.38	6.97
25	53.04	47.04	38.38	33.22	6.91
37	69.32	63.50	54.84	49.83	6.84

SCREW BE ASSEMBLED	SCREW BE ATTACHED
FLUSH INSERT ONLY	

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.

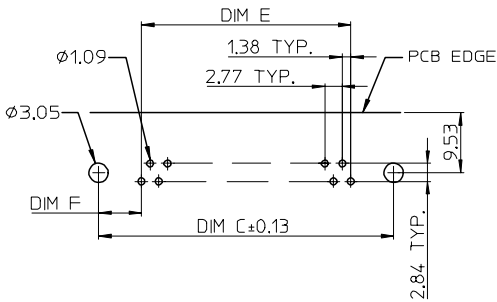
3. RECOMMENDED PCB THICKNESS: 1.60+/-0.05mm
4. PRODUCT SPECIFICATION: REFER TO PS-48201-001
5. TEST SUMMARY: REFER TO TS-48201-001
6. PACKAGING SPECIFICATION: REFER TO PK-48201-001
7. LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

CKT SIZE	GOLD PLATING	SCREW OPTION
48201-6	*	*
0:9		1:2 PCS #4-40 ROUND INNER THREAD SCREW RIVETTED
1:15		2:FLUSH INSERT ONLY
3:25		3:2 PCS #4-40 INNER THREAD SCREW ASSEMBLED
4:37		4:2 PCS M2.6 INNER THREAD SCREW ASSEMBLED
5:25 HOUSING COLOR BURGUNDY(PANTONE#235C)		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

RECOMMENDED PCB LAYOUT



L/F FOR 87204-6*** EC NO: SH20050520898 DRWN:JCHEN12 2005/04/29 CHKD: 2005/05/04 APPR:WWSCHANG 2005/05/04 B	QUALITY SYMBOLS =0 =0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY LINDA	DATE 05/04/18	TITLE STANDARD D-SUB FEMALE TYPE FORK BOARD LOCK (LEAD FREE VERSION) MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	ALLEN	05/04/18					
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE					
			1 PLACE	± 0.25	± ---	WWSCHANG	05/04/18					
			ANGULAR ± 3 °			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-48201-001			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						
			REV			SIZE A4						