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Part Number: [0482016368](#)
Status: **Active**
Description: D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 25 Circuits, #4-40 Flush Insert, M3 Inner Thread Screws Included, Gold (Au) Flash, PCB Thickness 1.60mm (.063"), Lead Free

Documents:

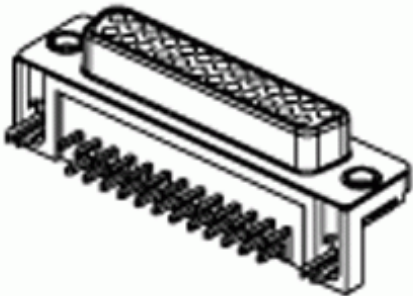
3D Model	Product Specification PS-48201-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	48201
Application	Wire-to-Board
Comments	Shell: Steel
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	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)	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](#)

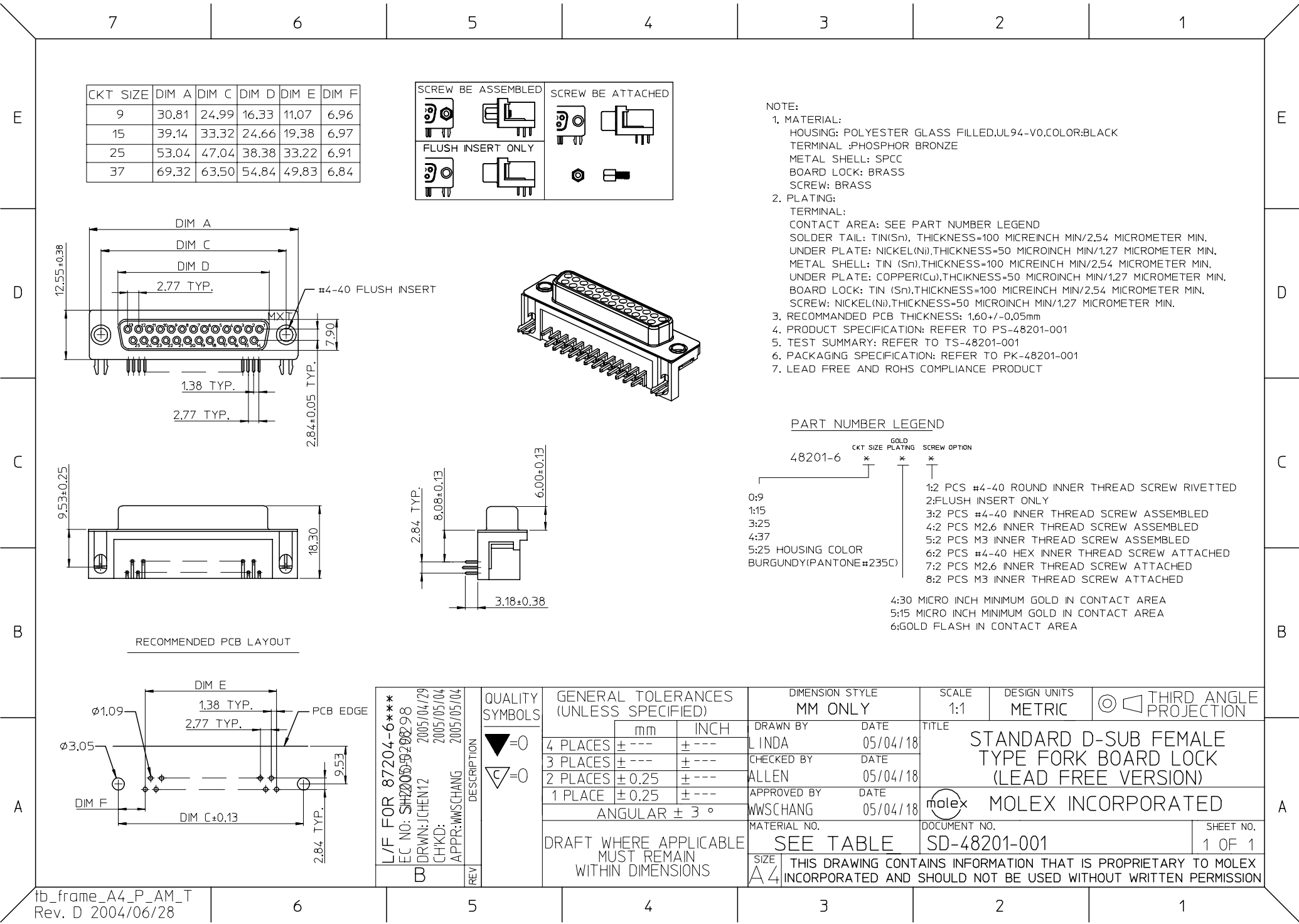
Mates With

[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

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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

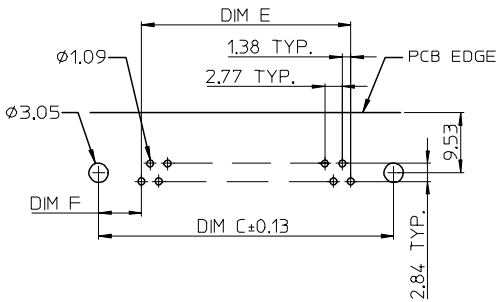
6. PACKAGING SPECIFICATION: REFER TO PK-48201-001

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		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	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)			
				4 PLACES	± ---	± ---	CHECKED BY	DATE				
				3 PLACES	± ---	± ---	ALLEN	05/04/18	MOLEX INCORPORATED			
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE				
				1 PLACE	± 0.25	± ---	WWSCHANG	05/04/18				
				ANGULAR ± 3 °			MATERIAL NO.	DOCUMENT NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-48201-001		1 OF 1	
							SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				