

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

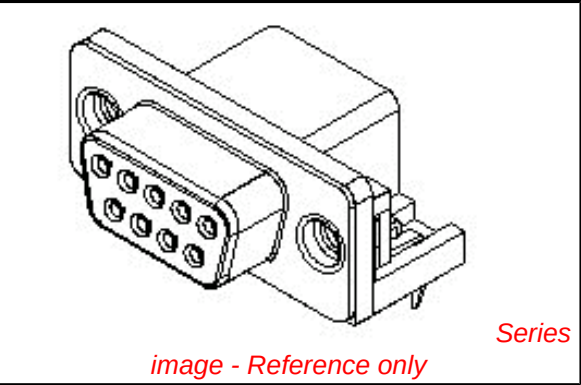
0482016152

Status:

Active

Description:

D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 15 Circuits, #4-40Flush Insert, Screw Hole, Threaded, 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
Comments	Shell: Steel, Flush Insert only
Component Type	Receptacle
Product Name	D-Sub
Type	N/A

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

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

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

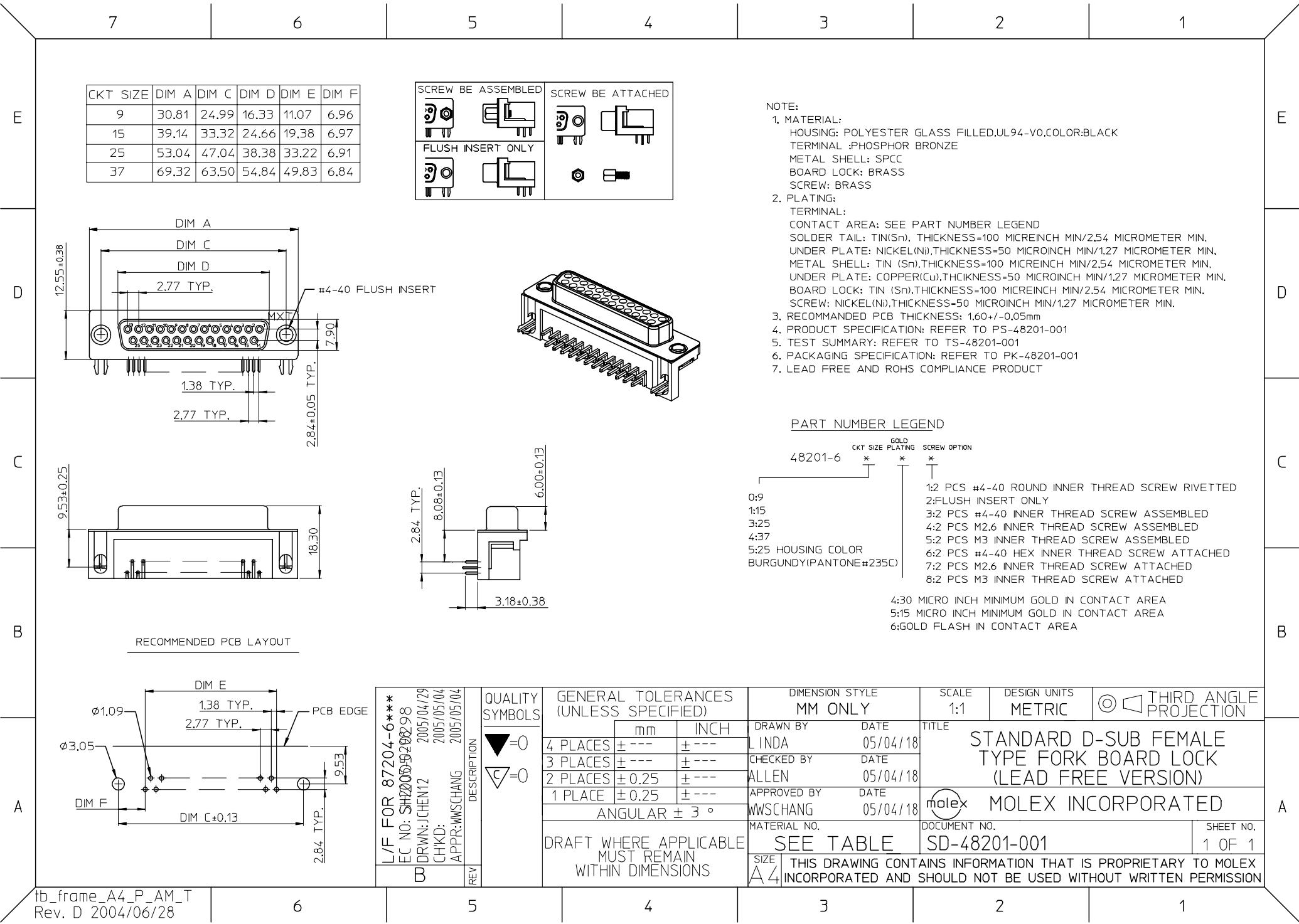
Material Info

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

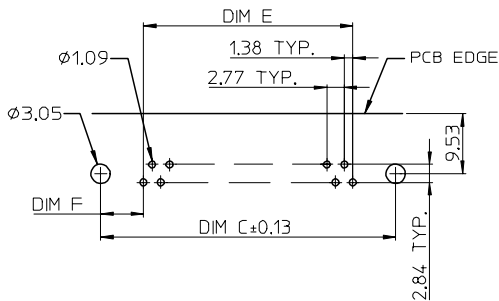
SCREW BE ASSEMBLED		SCREW BE ATTACHED	
FLUSH INSERT ONLY			

- NOTE:
- MATERIAL:
HOUSING: POLYESTER GLASS FILLED,UL94-V0,COLOR:BLACK
TERMINAL :PHOSPHOR BRONZE
METAL SHELL: SPCC
BOARD LOCK: BRASS
SCREW: BRASS
 - 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.
 - RECOMMENDED PCB THICKNESS: 1.60+/-0.05mm
 - PRODUCT SPECIFICATION: REFER TO PS-48201-001
 - TEST SUMMARY: REFER TO TS-48201-001
 - PACKAGING SPECIFICATION: REFER TO PK-48201-001
 - 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***	2005/04/29
EC NO: SH20050520898	2005/05/04
DRWN:JCHEN12	2005/05/04
CHKD:	
APPR:WWSCHANG	2005/05/04

QUALITY SYMBOLS	DESCRIPTION
	=0
	=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
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	
DRAWN BY	DATE
LINDA	05/04/18
CHECKED BY	DATE
ALLEN	05/04/18
APPROVED BY	DATE
WWSCHANG	05/04/18
MATERIAL NO.	
SEE TABLE	
SIZE	
A4	

SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
STANDARD D-SUB FEMALE TYPE FORK BOARD LOCK (LEAD FREE VERSION)		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-48201-001	1 OF 1	