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Part Number: 0482016366

Status: Active

Description: D-Subminiature Shielded I/O PCB Female Receptacle, Right Angle, Through Hole, 25 Circuits, #4-40 Flush Insert, 2 #4-40 Hex Internal Thread Screws Included, Gold (Au) Flash, PCB Thickness 1.60mm (.063"), Lead Free



Series image - Reference only

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
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

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

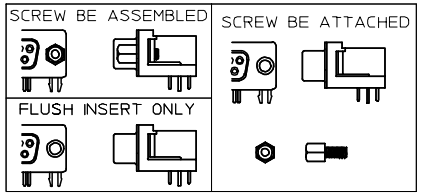
Reference - Drawing Numbers

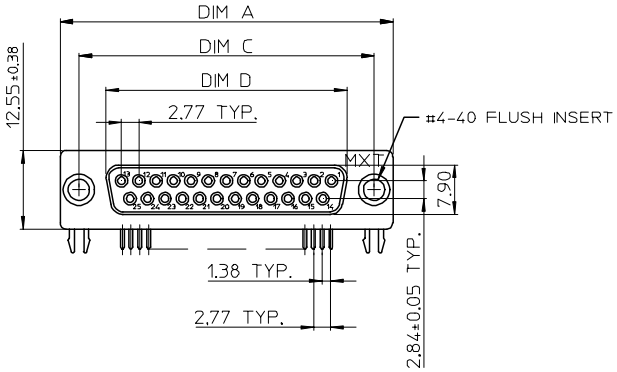
Product Specification	PS-48201-001
Sales Drawing	SD-48201-001

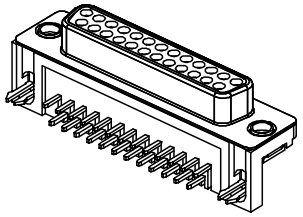
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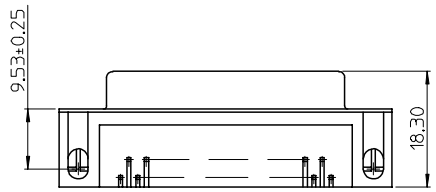
CKT SIZE	DIM A	DIM C	DIM D	DIM E	DIM F
9	30.81	24.99	16.33	11.07	6.96
15	39.14	33.32	24.66	19.38	6.97
25	53.04	47.04	38.38	33.22	6.91
37	69.32	63.50	54.84	49.83	6.84

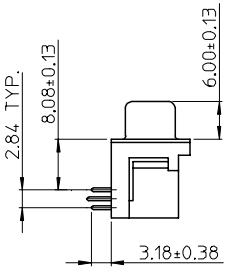






NOTE:
1. MATERIAL:
   HOUSING: POLYESTER GLASS FILLED,UL94-V0,COLOR:BLACK
   TERMINAL :PHOSPHOR BRONZE
   METAL SHELL: SPCC
   BOARD LOCK: BRASS
   SCREW: BRASS
2. PLATING:
   TERMINAL:
   CONTACT AREA: SEE PART NUMBER LEGEND
   SOLDER TAIL: TIN(Sn), THICKNESS=100 MICREINCH MIN/2.54 MICROMETER MIN.
   UNDER PLATE: NICKEL(Ni),THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.
   METAL SHELL: TIN (Sn),THICKNESS=100 MICREINCH MIN/2.54 MICROMETER MIN.
   UNDER PLATE: COPPER(Cu),THCIKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.
   BOARD LOCK: TIN (Sn),THICKNESS=100 MICREINCH MIN/2.54 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-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

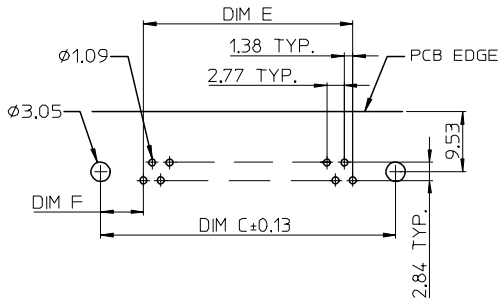
48201-6 CKT SIZE * GOLD PLATING * SCREW OPTION *

CKT SIZE:
0:9
1:15
3:25
4:37
5:25 HOUSING COLOR BURGUNDY(PANTONE#235C)

GOLD PLATING:
4:30 MICRO INCH MINIMUM GOLD IN CONTACT AREA
5:15 MICRO INCH MINIMUM GOLD IN CONTACT AREA
6:GOLD FLASH IN CONTACT AREA

SCREW OPTION:
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

RECOMMENDED PCB LAYOUT



L/F FOR 87204-6***
EC NO: SH2005529298 2005/04/29
DRWN: JCHEN12 2005/05/04
CH'KD:
APPR: WWSCHANG 2005/05/04
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 05/04/18
CHECKED BY	ALLEN	DATE 05/04/18
APPROVED BY	WWSCHANG	DATE 05/04/18

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-48201-001
SHEET NO.: 1 OF 1
SIZE: A4

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