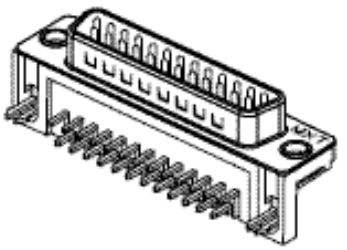
This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0482026343

Status: Active

Description: D-Subminiature Shielded I/O PCB Male Plug, Right Angle, Through Hole, 25Circuits, #4-40 Flush Insert, 2 #4-40 Hex Internal Thread Screws Assembled, 0.76µm (30µ") Gold (Au) Plating, PCB Thickness 1.60mm (.063"), Lead Free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	48202
Application	Wire-to-Board
Comments	Shell: Steel
Component Type	Plug
Product Name	D-Sub
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	25
Circuits (maximum)	25
Gender	Male
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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, 0.109 In
Pitch - Mating Interface (mm)	1.38 mm, 2.77 mm
Pitch - Term. Interface (in)	0.054 In, 0.109 In
Pitch - Term. Interface (mm)	1.38 mm, 2.77 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
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

Electrical

Current - Maximum per Contact	1A

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
48202Series

Mates With
48201

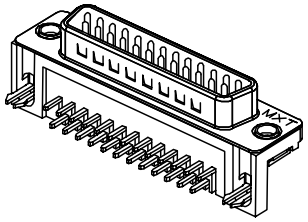
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC

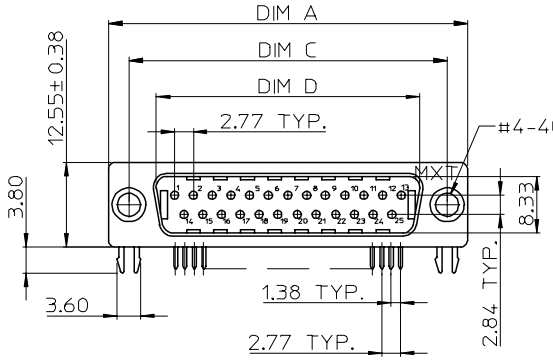
Material Info

Reference - Drawing Numbers

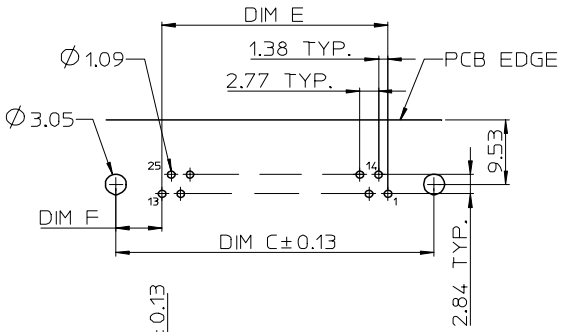
Sales Drawing	SD-48202-001

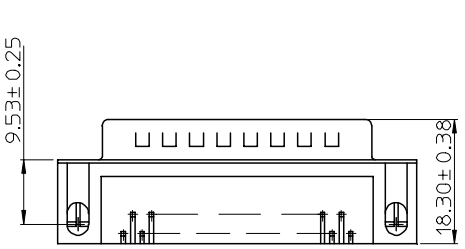
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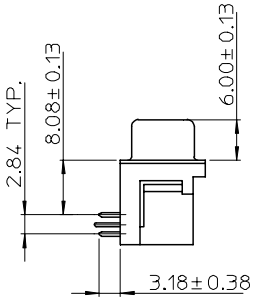


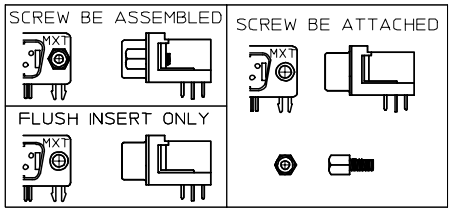


#4-40 FLUSH INSERT RECOMMENDED PCB LAYOUT









NOTE:
1.MATERIAL:
HOUSING: POLYESTER GLASS FILLED,UL94-V0.
COLOR:BLACK
TERMINAL: BRASS
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-48202-001
6.PACKAGING SPECIFICATION: REFER TO PK-48201-001
7.LEAD FREE AND ROHS COMPLIANCE PRODUCT

PART NUMBER LEGEND

48202-6 (CKT SIZE) * (PLATING) * (SCREW OPTION)

CKT SIZE:
0:9
1:15
3:25
4:37

SCREW OPTION:
1:2 PCS #4-40 ROUND INNER THREAD SCREW RIVETTED
2:FLUSH INSERT ONLY
3:2 PCS #4-40 HEX 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

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

CKT SIZE	DIM A	DIM C	DIM D	DIM E	DIM F
9	30.81	24.99	16.92	11.07	6.96
15	39.14	33.32	25.25	19.38	6.97
25	53.04	47.04	38.96	33.22	6.91
37	69.32	63.50	55.45	49.83	6.84

PER EWR 2007-0013 2006/09/18
EC NO: SH2007-0097 2006/09/18
DRWN:ALLIN CHKD: APPR:WWSCHANG 2006/09/18
DESCRIPTION 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/IN
SCALE:
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LINDA DATE: 2005/04/26
CHECKED BY: ALLIN DATE: 2005/04/26
APPROVED BY: WWSCHANG DATE: 2005/04/26

TITLE: STANDARD D-SUB MALE TYPE FORK BOARD LOCK

MOLEX INCORPORATED

MATERIAL NO.: SEE NOTES
DOCUMENT NO.: SD-48202-001
SHEET NO.: 1 OF 1
SIZE: A3

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