molex
one company > a world of innovation

This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

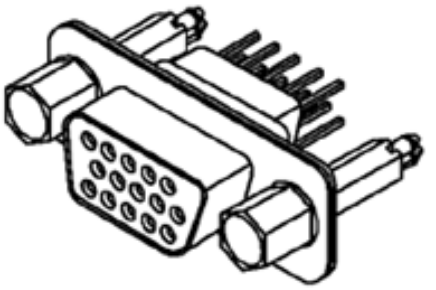
Part Number: 0482039073

Status: Active

Description: High Density, DDC Compatible D-Subminiature Shielded I/O PCB Female Receptacle, Vertical, Through Hole, 15 Circuits, #4-40 Unc Threaded Insert, Black Housing, Gold (Au) Flash Plating, Lead free

Documents:

3D Model
Drawing (PDF)
Product Specification PS-48203-001 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	I/O Connectors
Series	48203
Application	Wire-to-Board
Component Type	Receptacle
Product Name	D-Sub, DB15
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	15
Circuits (maximum)	15
Color - Resin	Black
Durability (mating cycles max)	600
Gender	Receptacle
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.150 In
PC Tail Length (mm)	3.80 mm
PCB Locator	Yes
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)	0.090 In
Pitch - Mating Interface (mm)	2.29 mm
Pitch - Term. Interface (in)	0.090 In
Pitch - Term. Interface (mm)	2.29 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	-40°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
48203Series

Mates With
48202

Electrical

Current - Maximum per Contact	1A
Grounding to Panel	Press-Fit
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	300V DC

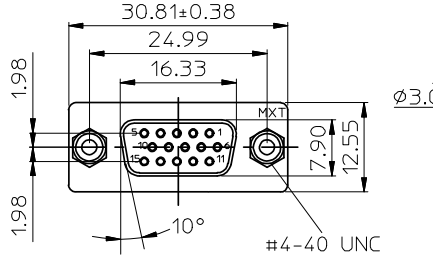
Material Info

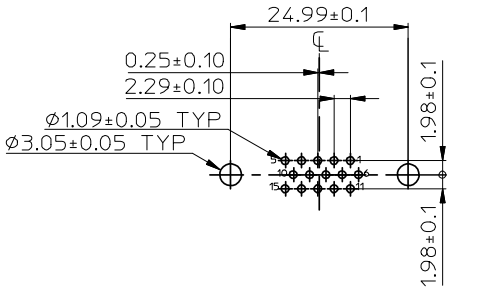
Reference - Drawing Numbers

Product Specification	PS-48203-001
Sales Drawing	SD-48203-004

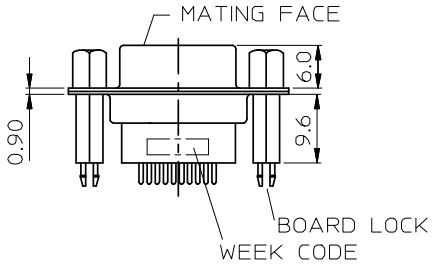
This document was generated on 03/31/2010

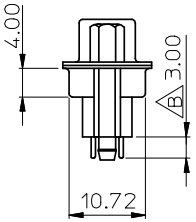
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



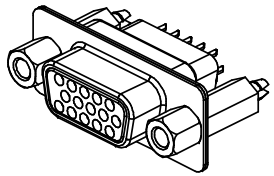


RECOMMENDED PCB LAYOUT





NOTE:
1.MATERIAL:
HOUSING:POLYESTER,GLASS FILLED,UL94-V0,COLOR:BLACK
TERMINAL:PHOSPHOR BRONZE
METAL SHELL:SPCC
NUT & BOARD LOCK:BRASS
2.PLATING:
TERMINAL:
CONTACT AREA:GOLD FLASH PLATING
SOLDER TAIL:TIN(Sn),THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.
UNDER PLATE:NICKEL(Ni).
METAL SHELL:
TIN(Sn),THICKNESS=100 MICROINCH MIN./2.54 MICROMETER MIN.
UNDER PLATE:COPPER(Cu).
BOARD LOCK:TIN (Sn),THICKNESS=30 MICROINCH MIN/0.76 MICROMETER MIN.
NUT:NICKEL(Ni),THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.
3.RECOMMENDED PCB THICKNESS:1.60+/-0.05mm
4.PRODUCT SPECIFICATION:REFER TO PS-48203-001
5.TEST SUMMARY:REFER TO TS-48203-004
6.PACKAGING SPECIFICATION:REFER TO PK-48203-004
7.LEAD FREE AND ROHS COMPLIANCE PRODUCT
8.WEEK CODE: xxxxx
FACTORY
WEEK
YEAR



EWR 2008-0045
EC NO: SH2008-0280 2007/12/07
DRWN:ALLIN 2007/12/07
CHKD:
APPR:WWSCHANG 2007/12/12
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:
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: IVY DATE: 2007/05/31
CHECKED BY: ALLEN LIN DATE: 2007/06/05
APPROVED BY: ERICK LAN DATE: 2007/06/05

TITLE: HIGH DENSITY D-SUB VERTICAL FEMALE 15 CKT

MOLEX INCORPORATED

MATERIAL NO.: 48203-9073
DOCUMENT NO.: SD-48203-004
SHEET NO.: 1 OF 1
SIZE: A4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION