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Part Number: 0872036044

Status: Active

Description: D-Subminiature Shielded I/O PCB Male Plug, Right Angle, Through Hole, 9 Circuits, M2.6 Inner Thread Screws Assembled, Gold (Au) 0.76µm (30µ")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	87203
Application	Wire-to-Board
Comments	Shell: Steel
Component Type	Plug
Product Name	D-Sub, DB9
Type	N/A

Physical

Circuits (Loaded)	9
Circuits (maximum)	9
Flammability	94V-0
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Orientation	Right Angle
PC Tail Length (in)	0.125 In
PC Tail Length (mm)	3.18 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.109 In
Pitch - Mating Interface (mm)	2.77 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1A
Shielded	Yes
Voltage - Maximum	300V

Material Info

EU RoHS
Not 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.

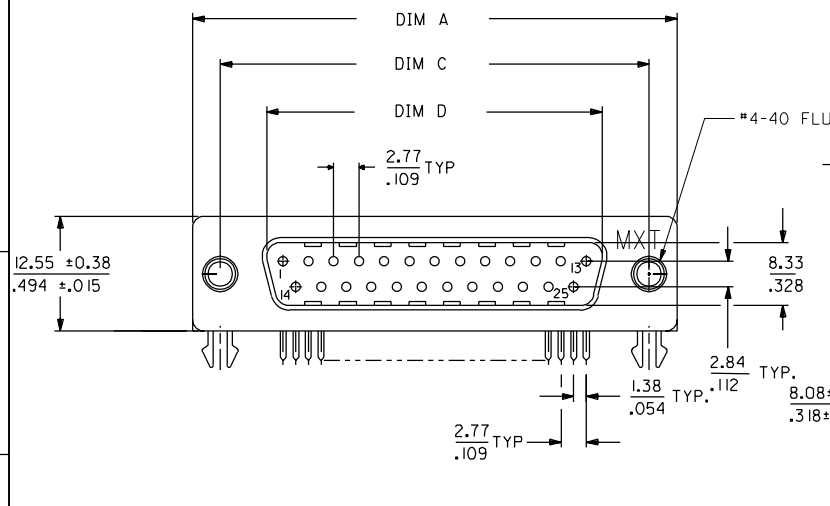
Search Parts in this Series
87203Series

Mates With
87204

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ENG. NO SDA-87203-6•••
EDP NO.
SIMILAR ITEM
CAD FILE : S872036
DO NOT SCALE DRAWING



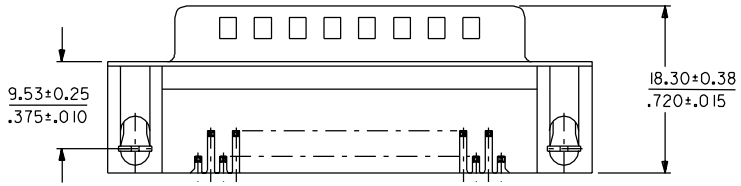
PART NUMBER LEGEND

87203-6 ✳ ✳ ✳

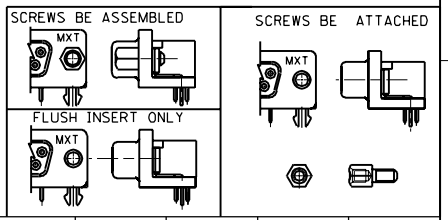
CKT SIZE
0 : 9
1 : 15
2 :
3 : 25
4 : 37

PLATING
4 : 30 MICRO INCH MINIMUM GOLD IN CONTACT AREA
50 MICRO INCH MINIMUM NICKEL ALL OVER
AND 100 MICRO INCH TIN/LEAD ON TAILS
5 : 15 MICRO INCH MINIMUM GOLD IN CONTACT AREA
50 MICRO INCH MINIMUM NICKEL ALL OVER
AND 100 MICRO INCH TIN/LEAD ON TAILS
P 6 : GOLD FLASH IN CONTACT AREA
AND 100 MICRO INCH TIN/LEAD ON TAILS

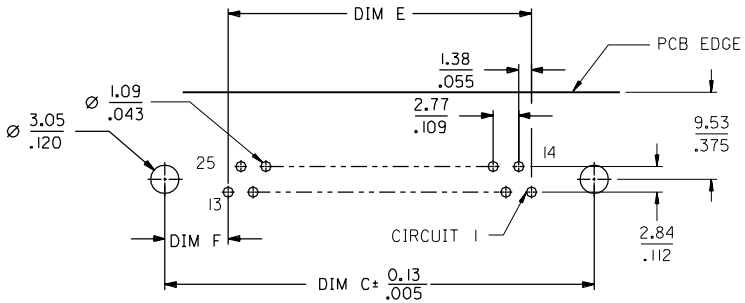
SCREW OPTION
1 2 pcs #4-40 round inner thread screw rivetted
2: Flush insert only
3: 2 pcs #4-40 hex inner thread screw assembled
4: 2 pcs M2.6 inner thread screw assembled
5: 2 pcs M3 inner thread screw assembled
6: 2 pcs #4-40 hex inner thread screw attached
7: 2 pcs M2.6 inner thread screw attached
8: 2 pcs M3 inner thread screw attached



NOTES:
1. MATERIALS:
INSULATOR - POLYESTER GLASS FILLED, UL-94V-0
COLOR: BLACK, CONTACT - BRASS



RECOMMENDED PCB LAYOUT



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.60 mm

CKT SIZE	DIM A	DIM C	DIM D	DIM E	DIM F
9	30.81 / 1.213	24.99 / .984	16.92 / .666	11.07 / .436	6.96 / .274
15	39.14 / 1.541	33.32 / 1.312	25.25 / .994	19.38 / .763	6.97 / .274
25	53.04 / 2.088	47.04 / 1.852	38.96 / 1.534	33.22 / 1.308	6.91 / .272
37	69.32 / 2.729	63.50 / 2.500	55.45 / 2.183	49.83 / 1.962	6.84 / .269

LTR	REVISION RECORD	ECN	DR	DATE
P	CHANGE TERM. PLATING	T99-055	G.Wang	980828
O	UPDATE THE OPTION	T98-276	NEIL	980224
N	RELEASE TO MANUFACTURING	T97-379	NEIL	970506
M	ERROR CORRECTION	T96-158	NEIL	95/10/26
L	PER ECN TA94-162		RICHARD	94/09/06
K	PER ECN# TA94-012		WILSON	94/01/21
J	PER ECN# TA93-125		WILSON	93/07/06
I	PER ECN# TA93-037		LYC	93/03/11

REVISE ONLY ON CAD SYSTEM

MATERIAL : SEE NOTE
FINISH : SEE NOTE
WIRE RANGE : ---
INS. RANGE : ---
DRAWN BY C K 89/6/9
CHK'D BY
APPR'D BY
SCALE 1:1

MOLEX TAIWAN LTD.
SHEET 1 OF 1
GENERAL TOLERANCES
ANGLE : ± 3° DIM : ± .25/.010
ENG. NO.: SDA-87203-6•••
REV P
TITLE : STANDARD D-SUB, MALE TYPE (FORK BOARD LOCK)

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