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Part Number: [0850019011](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 B/2 Style Male Header, PBT, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 16 Circuits, with Mounting Clips, No Flux Proof

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-85003-0001 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	85001
Application	Backplane
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	B/2

Physical

Circuits (Loaded)	8
Circuits (maximum)	32
Circuits Detail	Contact Positions at: A:a1,a5,a9,a13; B;b1,b5,b9,b13
Color - Resin	Natural
Durability (mating cycles max)	400
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Carton
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

EU RoHS **China RoHS**

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

[85001Series](#)

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-36507-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85001-9011

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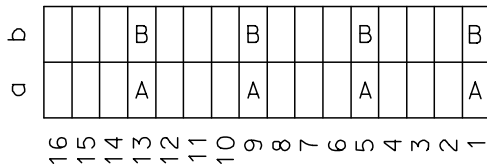
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7 6 5 4 3 2 1

E

E

View on mating side



A = 4 standard contacts L=3
 B = 4 standard contacts L=3
 S = 8 total number of contacts

D

D

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	YES
Dimensions	SDA-85001-0002 sht.1
Technical Data	PS-85003-0001

C

C

B	G2/0	b1, b5, b9, b13
A	G2/0	a1, a5, a9, a13
Contact symbol	Perform. level	Contact position number

B

B

A

A

EC NO: 12005-0303 DRWN: SIVAKUMAR 2005/03/01 CHKD: SSUDHIR 2005/03/02 APPR: KPRASAD 2005/03/03 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	▽=0 □=0	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±0.1</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±0.2</td> <td>±---</td> </tr> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.1	±---	1 PLACE	±0.2	±---	MM ONLY	1:1	METRIC	
		mm	INCH																		
	4 PLACES	±---	±---																		
3 PLACES	±---	±---																			
2 PLACES	±0.1	±---																			
1 PLACE	±0.2	±---																			
	ANGULAR ±1/2°	DRAWN BY: SIVAKUMA DATE: 2004/12/09 CHECKED BY: SSUDHIR DATE: 2004/12/09 APPROVED BY: SSUDHIR DATE: 2004/12/09 MATERIAL NO. 85001-9011	TITLE	32 POS. MALE DIN CONNECTOR DIN 41612 STYLE B/2																	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A/4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-85001-9011		SHEET NO. 1 OF 1																

6 5 4 3 2 1