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**Part Number:** [0850019010](#)  
**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, 8 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	<a href="#">85001</a>
Application	Backplane
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	<a href="#">din_41612</a>
Product Name	IEC 603-2/DIN 41612
Style	B/2

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	32
Circuits Detail	Contact Positions at: A:a1,a14,a15,a16; B:b1,b14,b15,b16
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

**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](mailto: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](#)

Termination Interface: Style

Through Hole

**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

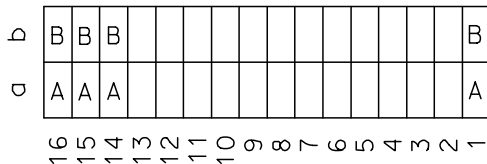
SD-85001-9010

This document was generated on 05/17/2010

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7 6 5 4 3 2 1

View on mating side



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

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

B	G2/0	b1, b14, b15, b16
A	G2/0	a1, a14, a15, a16
Contact symbol	Perform. level	Contact position number

EC NO: 12005-0303 DRWN: SIVAKUMAR 2005/03/01 CHKD: SSUDHIR 2005/03/02 APPR: KPRASAD 2005/03/03 DESCRIPTION A	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	---	METRIC	
		mm	INCH																		
	4 PLACES	±---	±---																		
3 PLACES	±---	±---																			
2 PLACES	±0.1	±---																			
1 PLACE	±0.2	±---																			
	ANGULAR ±1/2°																				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY: SIVAKUMA DATE: 2004/12/09 CHECKED BY: SSUDHIR DATE: 2004/12/09 APPROVED BY: SSUDHIR DATE: 2004/12/09 MATERIAL NO.: 85001-9010		TITLE: 32 POS. MALE DIN CONNECTOR DIN 41612 STYLE B/2 MOLEX INCORPORATED DOCUMENT NO.: SD-85001-9010	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																		

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