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Part Number: [0850019008](#)
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, Lead free

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)	16
Circuits (maximum)	32
Circuits Detail	Contact Positions at: A:a2,a4,a6,a8,a10,a12,a14,a16; B:b2,b4,b6,b8,b10,b12,b14,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
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
[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

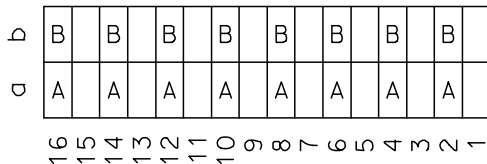
SD-85001-9008

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7 6 5 4 3 2 1

View on mating side



A = 8 standard contacts L=3
 B = 8 standard contacts L=3
 S = 16 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	b2,4,6,8,10,12,14,16
A	G2/0	a2,4,6,8,10,12,14,16
Contact symbol	Perform. level	Contact position number

EC NO: I2004-0588 DRWN:SHIVASHA 2004/06/29 CHKD:PRASAD 2004/06/29 APPR:DGDATHAT 2004/06/29	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			mm	INCH	MM ONLY	1:1		METRIC	
		4 PLACES	±---	±---	DRAWN BY	DATE		TITLE	
		3 PLACES	±---	±---	SHIVA	2004/06/28		32 POS. MALE DIN CONNECTOR DIN 41612 STYLE B/2	
2 PLACES	±0.1	±---	CHECKED BY	DATE	MOLEX INCORPORATED				
1 PLACE	±0.2	±---	PRASAD	2004/06/28	DOCUMENT NO.				
ANGULAR ±1/2°			APPROVED BY	DATE	SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DATHA	2004/06/28	1 OF 1				
			MATERIAL NO.	85001-9008		SD-85001-9008			
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

6 5 4 3 2 1