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Part Number: [0850019012](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 B Style Male Header, PBT, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 64 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

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	Contact Positions at: A:a1-a2,a4-a31; B:b1-b31; Y:b32; Z:a3,a32
Color - Resin	Natural
Durability (mating cycles max)	400
First Mate / Last Break	Yes
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
 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-85001-9012

This document was generated on 05/17/2010

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

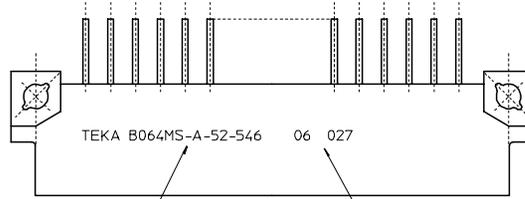
Y	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	A	A	
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1							

A = 30 STANDARD CONTACTS L = 3
 B = 31 STANDARD CONTACTS L = 3
 Z = 2 FMLB CONTACTS +0,6 L = 3
 Y = 1 FMLB CONTACTS +0,6 L = 3
 S = 64 TOTAL NUMBER OF CONTACTS

MARKING	CUSTOMER SPECIAL (REFER TO PRINTING DETAILS)
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85001-0001 SHT 1-2

Y	G2/0	b32
Z	G2/0	a3, a32
B	G2/0	b1-b31
A	G2/0	a1-a2, a4-a31
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

CUSTOMER PART NO. PRINTING DETAILS



PRINTING BESIDE ROW B

CUSTOMER PART NO. JULIAN DATE CODE (EXAMPLE FOR JAN 27TH 2006)

RoHS COMPLIANT

ENTER DESCRIPTION ELC.NCL 12006-06/14 DRWNGSATTI/MARAD 2006/05/08 CHKD/SSUDHIR 2006/05/08 APPR/SSUDHIR 2006/05/08 REV A	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <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>±----</td> <td>±----</td> </tr> <tr> <td>1 PLACE</td> <td>±----</td> <td>±----</td> </tr> </tbody> </table> ANGULAR ±---°		mm	INCH	4 PLACES	±----	±----	3 PLACES	±----	±----	2 PLACES	±----	±----	1 PLACE	±----	±----	DIMENSION STYLE MM ONLY	SCALE: --- DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	DRAWN BY: SHANKAR CHECKED BY: SSUDHIR APPROVED BY: SSUDHIR DATE: 2006/05/08 DATE: 2006/05/08 DATE: 2006/05/08	TITLE: 64 POS MALE CONNECTOR ACC. DIN 41612 STYLE B CONTACTS ARRANGEMENT MATERIAL NO. 85001-9012 DOCUMENT NO. SD-85001-9012 SHEET NO. 1 OF 1
		mm	INCH																		
	4 PLACES	±----	±----																		
	3 PLACES	±----	±----																		
2 PLACES	±----	±----																			
1 PLACE	±----	±----																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
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