

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0850039050](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 63 Circuits, No Mounting Clips, No Flux Proof, Void Pin A22, Lead free

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	No Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C

Physical

Circuits (Loaded)	63
Circuits (maximum)	96
Circuits Detail	First-Mate-Last-Break Contacts at: A:a1-a15,a18-a21,a23-a32; C:c1- c15,c18-c32-. First-Mate-Last-Break Contacts at:Z:a16-a17;X:c16-c17 . Void Pin at A:a22
Color - Resin	Gray
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	3
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
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)	32
Plating min: Mating (µm)	0.80
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	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

[85003Series](#)

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

2.5A

Data Rate

622.0 Mbps

Voltage - Maximum

250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-85003-001

Sales Drawing

SD-85003-9050

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

VIEW ON MATING SIDE

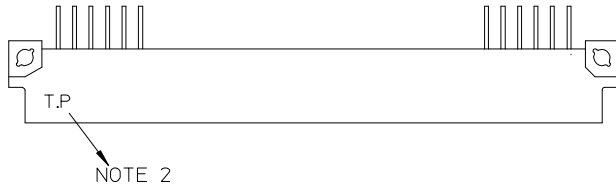
c	C	C	C	C	C	C	C	C	C	C	C	C	C	C	X	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
b																																
a	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

A = 29 FMLB CONTACTS L = 3
 C = 30 FMLB CONTACTS L = 3
 Z = 2 FMLB CONTACTS 0.8+/-0.1 L = 3
 X = 2 FMLB CONTACTS 0.8+/-0.1 L = 3
 S = 63 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85003-0001 SHT 1-2

X	G2/0	c16,17
Z	G2/0	a16,17
C	G2/0	c1-15 & c18-32
A	G2/0	a1-15 & a18-32 VOID PIN 22
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

NOTE:
 1. VOID PIN NUMBER a22
 2. PRINT TO BE MADE ON THE CONNECTOR



ENTER DESCRIPTION EC NO: I2008-0684 DRWN: SJ 2008/05/28 CHKD: KPRASAD 2008/05/31 APPR: KPRASAD 2008/06/20 REV A1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																														
		<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>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ±---°</td> </tr> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	ANGULAR ±---°			<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>SJ</td> <td>2008/02/13</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>KPRASAD</td> <td>2008/02/13</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>KPRASAD</td> <td>2008/02/13</td> </tr> </table>	DRAWN BY	DATE	SJ	2008/02/13	CHECKED BY	DATE	KPRASAD	2008/02/13	APPROVED BY	DATE	KPRASAD	2008/02/13	TITLE 96 POS. MALE CONN PIN A22 VOID STYLE C CONTACTS ARRANGE MOLEX INCORPORATED		
		mm	INCH																																	
	4 PLACES	±---	±---																																	
	3 PLACES	±---	±---																																	
2 PLACES	±---	±---																																		
1 PLACE	±---	±---																																		
ANGULAR ±---°																																				
DRAWN BY	DATE																																			
SJ	2008/02/13																																			
CHECKED BY	DATE																																			
KPRASAD	2008/02/13																																			
APPROVED BY	DATE																																			
KPRASAD	2008/02/13																																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 850039050	DOCUMENT NO. SD-85003-9050	SHEET NO. 1 OF 1																																
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																				