

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0850039023](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.30µm (12µ") Gold (Au) Plating, 32 Circuits, No Mounting Clips, No Flux Proof, Lead free

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**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) 32  
 Circuits (maximum) 96  
 Circuits Detail Standard Contacts at: A:a2,a4,a6,a8...,a32;  
 C:c1,c3,c5,c7,..c31  
 Color - Resin Gray  
 Durability (mating cycles max) 50  
 First Mate / Last Break No  
 Flammability 94V-0  
 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) 12  
 Plating min: Mating (µm) 0.30

**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](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**

[85003Series](#)

Plating min: Termination ( $\mu$ in)	98
Plating min: Termination ( $\mu$ m)	2.5
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

### **Electrical**

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	206

### **Material Info**

### **Reference - Drawing Numbers**

Packaging Specification	PK-85003-002
Sales Drawing	SD-85003-9023

This document was generated on 05/17/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

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

VIEW ON MATING SIDE

○	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
○	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	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 = 16 STANDARD CONTACTS L = 3  
 C = 16 STANDARD CONTACTS L = 3  
 S = 32 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G3/0 = CONTACT AREA LEVEL 3 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0001 SHT 1

C	G3/0	c1+3+5+7 .....31
A	G3/0	a2+4+6+8 ...32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN: 09/09/03 CHK'G.L.: 09/09/03 APPR'L.: 09/09/03	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV
		4 PLACES $\pm 0.1$	$\pm$	INCH	<input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	<input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH	<input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH	<input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH	REVISION	ON CAD ONLY
C	REV	1 PLACE $\pm 0.2$	$\pm$		DRAWN BY & DATE N.S. 15/04/02	MATERIAL NO. 85003-9023	DRAWING NO. SD-85003-9023	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT		
		2 PLACES $\pm 0.1$	$\pm$		CHECKED BY & DATE G.L. 15/04/02			MOLEX INCORPORATED		
		3 PLACES $\pm 0.1$	$\pm$		APPROVED BY & DATE G.L. 15/04/02			SHEET NO. 1 OF 1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR $\pm$		CAD FILENAME SD-85003-9023.S01	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					

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