

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

**Part Number:** [0850030074](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Style C/2, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), First-Mate-Last-Break Pins , 48 Circuits, Lead free

**Documents:**

[3D Model](#) [Product Specification PS-85003-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [85003](#)  
 Application Daughtercard  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C/2

**Physical**

Circuits (Loaded) 48  
 Circuits (maximum) 48  
 Durability (mating cycles max) 400  
 First Mate / Last Break Yes  
 Flammability 94V-0  
 Guide to Mating Part No  
 Keying to Mating Part Yes  
 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  
 Polarized to PCB Yes  
 Stackable No  
 Temperature Range - Operating -55°C to +125°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1A  
 Data Rate 622.0 Mbps  
 Voltage - Maximum 250V AC (RMS)

**Material Info**



**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](#)

**Mates With**

[85042](#) DIN 41612 Receptacle. [85052](#) DIN 41612 Header

**Reference - Drawing Numbers**

Packaging Specification

Product Specification

Sales Drawing

PK-85003-002

PS-85003-0001

SD-85003-0074

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

VIEW ON MATING SIDE

○	X	C	C	C	C	C	C	C	C	C	C	C	C	C	X
△	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	Z

16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 -

A = 14 STANDARD CONTACTS L = 3.0  
 B = 16 STANDARD CONTACTS L = 3.0  
 C = 14 STANDARD CONTACTS L = 3.0  
 Z = 2 FMLB CONTACTS +0.6 L = 3.0  
 X = 2 FMLB CONTACTS +0.6 L = 3.0  
 S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 1

X	G2/O	c1,16
Z	G2/O	a1,16
C	G2/O	c2-15
B	G2/O	b1-16
A	G2/O	a2-15
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN N.S./09/03/03 CHK'd G.L./09/03/03 APPR. G.L./09/03/03	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	DIMENSIONS:		SHT	REV	
	MAJOR				<input type="checkbox"/> INCH	<input type="checkbox"/> INCH			
	CRITICAL				<input type="checkbox"/> INCH	<input checked="" type="checkbox"/> INCH			
						<input type="checkbox"/> INCH	<input type="checkbox"/> INCH		
	DESCRIPTION				THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
		4 PLACES ±0. ±		DRAWN BY & DATE	TITLE: 48 POS MALE CONNECTOR				
		3 PLACES ±0. ±		CHECKED BY & DATE	ACCORDING DIN 41612 STYLE C/2				
		2 PLACES ±0. ±		APPROVED BY & DATE	CONTACTS ARRANGEMENT				
		1 PLACE ±0. ±			MOLEX INCORPORATED				
		ANGULAR ±		CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.		
				D-85003-0074.S01	85003-0074	SD-85003-0074	1 OF 1		
		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.					SIZE
							D		

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