

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

**Part Number:** [0850030309](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Style C, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), Board Lock , 64 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

**Physical**

Circuits (Loaded) 64  
 Circuits (maximum) 96  
 Durability (mating cycles max) 400  
 First Mate / Last Break No  
 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 2.5A  
 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-85003-001

PS-85003-0001

SD-85003-0309

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

M

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B

A

VIEW ON MATING SIDE

Q	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	C	C
Q	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 = 32 STANDARD CONTACTS L = 3  
 C = 32 STANDARD CONTACTS L = 3  
 S = 64 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-0001 SHT 1

C	G2/O	c1-32
A	G2/O	a1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: 2004-XXXX DRAWN: S. 09/09/03 CHK: G.L. 09/09/03 APPR: L.L. 09/09/03	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	DIMENSIONS:		SHT	REV
	MAJOR	±	<input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION	<input type="checkbox"/> DIM INCH	<input type="checkbox"/> INCH DIM	<input checked="" type="checkbox"/> DIM ONLY	REVISE ON CAD ONLY
	CRITICAL	±						
		±						
C	DESCRIPTION	TITLES: 64 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT	DRAWN BY & DATE S.S. 14/09/1999	MATERIAL NO.		DRAWING NO.	SHEET NO.	
			CHECKED BY & DATE G.L. 14/09/1999	SD-85003-0309		SD-85003-0309	1 OF 1	
			APPROVED BY & DATE G.L. 14/09/1999	CAD FILENAME		MOLEX INCORPORATED		
			ANGULAR: ±	SD-85003-0309.S0		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE D		

24-border.DGN REV 4 96/06/12 LEVEL 6