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**Part Number:** [0850031483](#)  
**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), 96 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

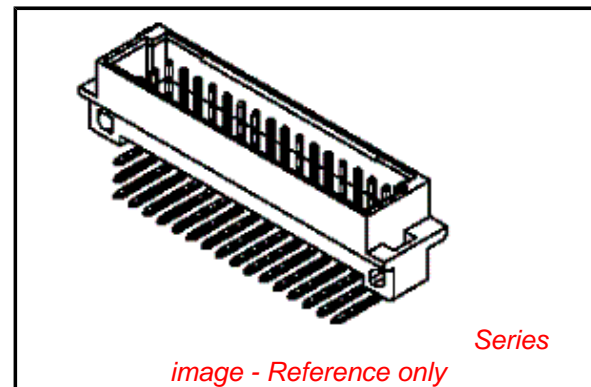
**Physical**

Circuits (Loaded) 96  
 Circuits (maximum) 96  
 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-85003-001

PS-85003-0001

SD-85003-1483

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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

Q	X	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	X					
D	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	Y					
Q	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	Z						
	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 = 30 STANDARD CONTACTS L = 3  
 C = 30 STANDARD CONTACTS L = 3  
 Z = 2 FMLB CONTACTS +0.6 L = 3  
 Y = 2 FMLB CONTACTS +0.6 L = 3  
 X = 2 FMLB CONTACTS +0.6 L = 3  
 S = 96 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

X	G2/O	ø1,32
Y	G2/O	b1,32
Z	G2/O	ø1,32
C	G2/O	c2-31
B	G2/O	b2-31
A	G2/O	a2-31
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO1 2004-XXXX DRAWN N.S. 09/09/03 CHK'd G.L. 09/09/03 APPR G.L. 09/09/03	QUALITY SYMBOLS MAJOR $\blacktriangledown$ CRITICAL $\nabla$	GENERAL TOLERANCES: (UNLESS SPECIFIED): 4 PLACES $\pm 0.1$ mm $\pm$ INCH 3 PLACES $\pm 0.15$ mm $\pm$ INCH 2 PLACES $\pm 0.2$ mm $\pm$ INCH 1 PLACE $\pm 0.3$ mm $\pm$ INCH	SCALE DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH ONLY	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH	SHT   REV REVISE ON CAD ONLY	
	DRAWN BY & DATE S.S. 09/09/1999	CHECKED BY & DATE G.L. 09/09/1999	APPROVED BY & DATE G.L. 09/09/1999	CAD FILENAME SD-85003-1483.S01	MATERIAL NO. 85003-1483	DRAWING NO. SD-85003-1483	SHEET NO. 1 OF 1
	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT			MOLEX INCORPORATED			
	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.			

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