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**Part Number:** [0850033093](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Style C/2, Right Angle, Through Hole, 1µm (40µ") Selective Gold (Au), 48 Circuits, First-Mate-Last-Break Pins Available, Lead free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

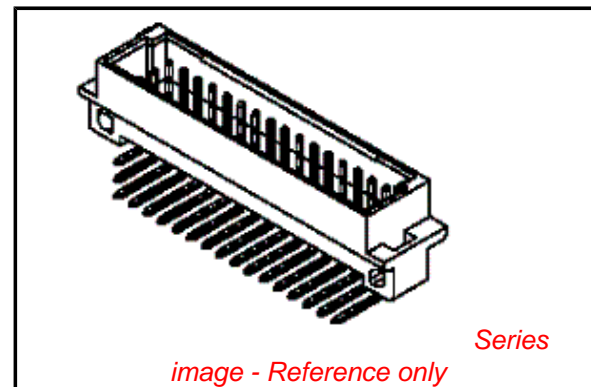
Product Family Backplane Connectors  
 Series [85003](#)  
 Application Daughtercard  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C/2

**Physical**

Circuits (Loaded) 48  
 Circuits (maximum) 48  
 Durability (mating cycles max) 500  
 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  
 Surface Mount Compatible (SMC) 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)



**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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

Sales Drawing

PK-85003-002

SD-85003-3093

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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	C	X
△	B	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	A	Z

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

A = 14 STANDARD CONTACTS L = 3  
 B = 16 STANDARD CONTACTS L = 3  
 C = 14 STANDARD CONTACTS L = 3  
 Z = 2 FMLB CONTACTS +0.6 L = 3  
 X = 2 FMLB CONTACTS +0.6 L = 3  
 S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL I / 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. 09/09/03 CHK'd G.L. 09/09/03 APPR. G.L. 09/09/03	QUALITY SYMBOLS MAJOR $\nabla$ CRITICAL $\nabla$	GENERAL TOLERANCES: (UNLESS SPECIFIED) mm INCH 4 PLACES $\pm 0.1$ $\pm$ 3 PLACES $\pm 0.1$ $\pm$ 2 PLACES $\pm 0.1$ $\pm$ 1 PLACE $\pm 0.1$ $\pm$	SCALE DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	DRAWN BY & DATE S.S. 14/09/1999 CHECKED BY & DATE G.L. 14/09/1999 APPROVED BY & DATE G.L. 14/09/1999	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY <input type="checkbox"/> INCH ONLY	THIRD ANGLE PROJECTION 	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT	SHT 1 REV REVISE ON CAD ONLY
	CAD FILENAME SD-85003-3093.S0	MATERIAL NO. 85003-3093	DRAWING NO. SD-85003-3093	SHEET NO. 1 OF 1	SIZE D			
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