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Part Number: [0850032995](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style C/2, Right Angle, Through Hole, 0.25µm (10µ") Selective Gold (Au), 32 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

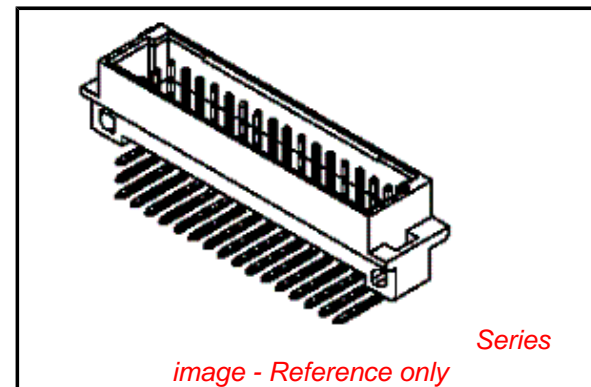
Product Family Backplane Connectors
 Series [85003](#)
 Application Daughtercard
 Component Type PCB Header
 Overview [din_41612](#)
 Product Name IEC 603-2/DIN 41612
 Style C/2

Physical

Circuits (Loaded) 32
 Circuits (maximum) 48
 Durability (mating cycles max) 50
 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 2.5A
 Data Rate 622.0 Mbps
 Voltage - Maximum 250V AC (RMS)



EU RoHS **China RoHS**

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email 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](#) , [85052](#) Backplane Header

Material Info

Reference - Drawing Numbers

Product Specification

PS-85003-0001

Sales Drawing

SD-85003-2995

This document was generated on 05/17/2010

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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
⊙	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
 C = 14 STANDARD CONTACTS L = 3
 Z = 2 FMLB CONTACTS +0.6 L = 3
 X = 2 FMLB CONTACTS +0.6 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-85003-0002 SHT 1

X	G3/0	c1,16
Z	G3/0	c1,16
C	G3/0	c2-15
A	G3/0	c2-15
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 20004-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 ∇	GENERAL TOLERANCES: (UNLESS SPECIFIED): 4 PLACES $\pm 0.$ mm $\pm.$ INCH 3 PLACES $\pm 0.$ mm $\pm.$ INCH 2 PLACES $\pm 0.$ mm $\pm.$ INCH 1 PLACE $\pm 0.$ mm $\pm.$ INCH	SCALE DRAWN BY & DATE N.S. 09/09/03	DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	DIMENSIONS: <input type="checkbox"/> INCH <input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH ONLY	THIRD ANGLE PROJECTION <input type="checkbox"/> FIRST ANGLE	SHEET NO. 1 OF 1 REVISE ON CAD ONLY
	DESCRIPTION CRITICAL	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT	MATERIAL NO. 85003-2995	DRAWING NO. SD-85003-2995	MOLEX INCORPORATED	SHEET NO. 1 OF 1 SIZE D
	CAD FILENAME SD-85003-2995.S01	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.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
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