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Part Number: [0850031691](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style C, Right Angle, Through Hole, 1µm (40µ") Selective Gold (Au), 96 Circuits, Board Lock Option Available, 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

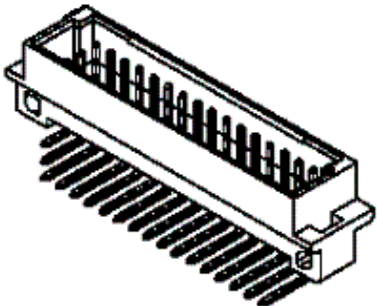
Product Family Backplane Connectors
Series [85003](#)
Application Daughtercard
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style C

Physical

Circuits (Loaded) 96
Circuits (maximum) 96
Durability (mating cycles max) 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)



Series
image - Reference only

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
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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-1691

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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

A = 32 STANDARD CONTACTS L = 3
B = 32 STANDARD CONTACTS L = 3
C = 32 STANDARD CONTACTS L = 3

S = 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL 1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-000 SHT 1

C	GI/O	a1-32
B	GI/O	b1-32
A	GI/O	a1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC. NO. 1, 2004-XXXX DRAWN G.S. 01/09/03 CHECKED G.S. 01/09/03 APPROVED G.S. 01/09/03		QUALITY SYMBOLS MAJOR CRITICAL	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	DIMENSIONS:				SHIT	REV																								
					mm	INCH	mm	INCH		mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH																					
C			DRAWN BY DATE G.S. 09/09/1999 CHECKED BY DATE G.L. 09/09/1999 APPROVED BY DATE G.L. 09/09/1999		4 PLACES	±0.	±.	DRAWN BY DATE G.S. 09/09/1999	TITLE 96 POS MALE CONNECTOR ACCORDING DIN 4162 STYLE C CONTACTS ARRANGEMENT		MOLEX INCORPORATED	mm	INCH	mm	INCH	mm	INCH																							
																		3 PLACES	±0.	±.	CHECKED BY DATE G.L. 09/09/1999	mm	INCH	mm	INCH															
																										2 PLACES	±0.	±.	APPROVED BY DATE G.L. 09/09/1999	mm	INCH	mm	INCH							
																																		1 PLACE	±0.	±.	mm	INCH	mm	INCH
DRAFT HERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										SIZE																												