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Part Number: [0850030074](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style C/2, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), First-Mate-Last-Break Pins , 48 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) 48
 Circuits (maximum) 48
 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
 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-85003-002

PS-85003-0001

SD-85003-0074

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
△	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	Z

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

A = 14 STANDARD CONTACTS L = 3.0
 B = 16 STANDARD CONTACTS L = 3.0
 C = 14 STANDARD CONTACTS L = 3.0
 Z = 2 FMLB CONTACTS +0.6 L = 3.0
 X = 2 FMLB CONTACTS +0.6 L = 3.0
 S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / 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./09/03/03 CHK'd G.L./09/03/03 APPR. G.L./09/03/03	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	DIMENSIONS:		SHT	REV	
	MAJOR				<input type="checkbox"/> mm	<input type="checkbox"/> INCH			
	CRITICAL				<input type="checkbox"/> mm	<input checked="" type="checkbox"/> INCH			
						<input type="checkbox"/> mm	<input type="checkbox"/> INCH		
	DESCRIPTION	4 PLACES ±0.15	DRAWN BY & DATE	THIRD ANGLE PROJECTION		TITLE: 48 POS MALE CONNECTOR			
		3 PLACES ±0.15	N.S. 06/03/01			ACCORDING DIN 41612 STYLE C/2			
		2 PLACES ±0.15	CHECKED BY & DATE			CONTACTS ARRANGEMENT			
		1 PLACE ±0.15	G.L. 06/03/01			MOLEX INCORPORATED			
		ANGULAR ±	APPROVED BY & DATE						
			G.L. 06/03/01						
			CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.			
			D-85003-0074.S01	85003-0074	SD-85003-0074	1 OF 1			
			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						
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19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1