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Part Number: [0850030531](#)
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), 16 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

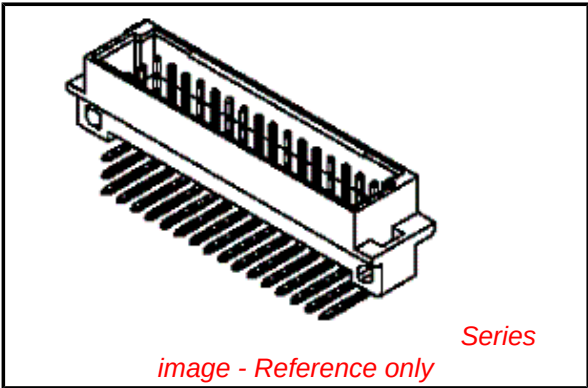
Physical

Circuits (Loaded) 16
Circuits (maximum) 48
Durability (mating cycles max) 400
First Mate / Last Break No
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 2.5A
Data Rate 622.0 Mbps
Voltage - Maximum 250V AC (RMS)

Solder Process Data



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

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-85003-0531

This document was generated on 05/17/2010

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A = 8 STANDARD CONTACTS L = 3
C = 8 STANDARD CONTACTS L = 3
S = 16 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FICING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 1

C	G2/O	c2,4,6,8,10,12,14,16
A	G2/O	a2,4,6,8,10,12,14,16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 1 2004-XXXX-XXXX		DRAWN N.S. 09/09/02		CHKD G.L. 09/09/02		APPRD G.L. 09/09/02		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		DIMENSIONS:				SHIT / REV	
REV		DESCRIPTION		MAJOR		CRITICAL		mm INCH		mm INCH		DRAWN BY & DATE		CHECKED BY & DATE		APPROVED BY & DATE		mm INCH mm ONLY				mm INCH mm ONLY	
B		4 PLACES		H0		±		N.S.		18/09/02		TITLE:		48 POS MALE CONNECTOR									
		3 PLACES		H0		±		G.L.		18/09/02		ACCORDING DIN 41612 STYLE C/2											
		2 PLACES		H0		±		G.L.		18/09/02		CONTACTS ARRANGEMENT											
		1 PLACE		H0		±		G.L.		18/09/02		MOLEX		MOLEX INCORPORATED									
		ANGULAR ±						CAD FILENAME		MATERIAL NO.		DRAWING NO.		SHEET NO.									
								SD-85003-0531.S0		85003-0531		SD-85003-0531		1 OF 1									
								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.															