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Part Number: [0850031782](#)
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), 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

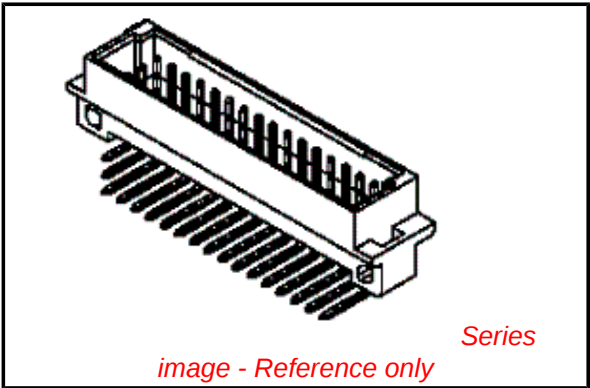
Product Family Backplane Connectors
Series [85003](#)
Application Daughtercard
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style C/2

Physical

Circuits (Loaded) 32
Circuits (maximum) 48
Durability (mating cycles max) 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
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
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

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-002
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-1782

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16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A = 16 STANDARD CONTACTS L = 3
C = 16 STANDARD CONTACTS L = 3
S = 32 TOTAL NUMBER OF CONTACTS

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

C	G2/O	c1-16
A	G2/O	a1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

										DIMENSIONS INCH				SHT		REV	
										mm		mm		mm ONLY		REVISE ON	
										mm		mm		mm ONLY		CAD ONLY	
ECN N.O. 05/09/03 CHG G.L. 09/09/03 APPR G.L. 09/09/03		DESCRIPTION	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE		DESIGN UNITS			THIRD ANGLE PROJECTION	TITLE: 32 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT a+c LOADED					
				mm	INCH	mm	INCH	mm	INCH								
4 PLACES		±0.1	±	DRAWN BY & DATE S.S. 14/09/1999													
3 PLACES		±0.1	±	CHECKED BY & DATE G.L. 14/09/1999													
2 PLACES		±0.1	±	APPROVED BY & DATE G.L. 14/09/1999													
1 PLACE		±0.1	±	CAD FILENAME SD-85003-1782.S0				MATERIAL NO. 85003-1782		DRAWING NO. SD-85003-1782		SHEET NO. 1 OF 1					
		ANGULAR: ±															
B		REV		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 D			