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Part Number: [0850030048](#)
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

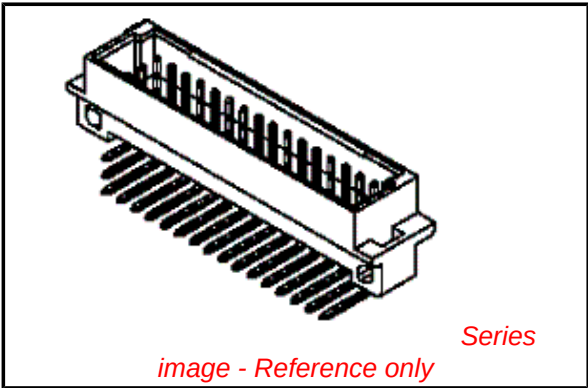
Physical

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
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)

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](#)

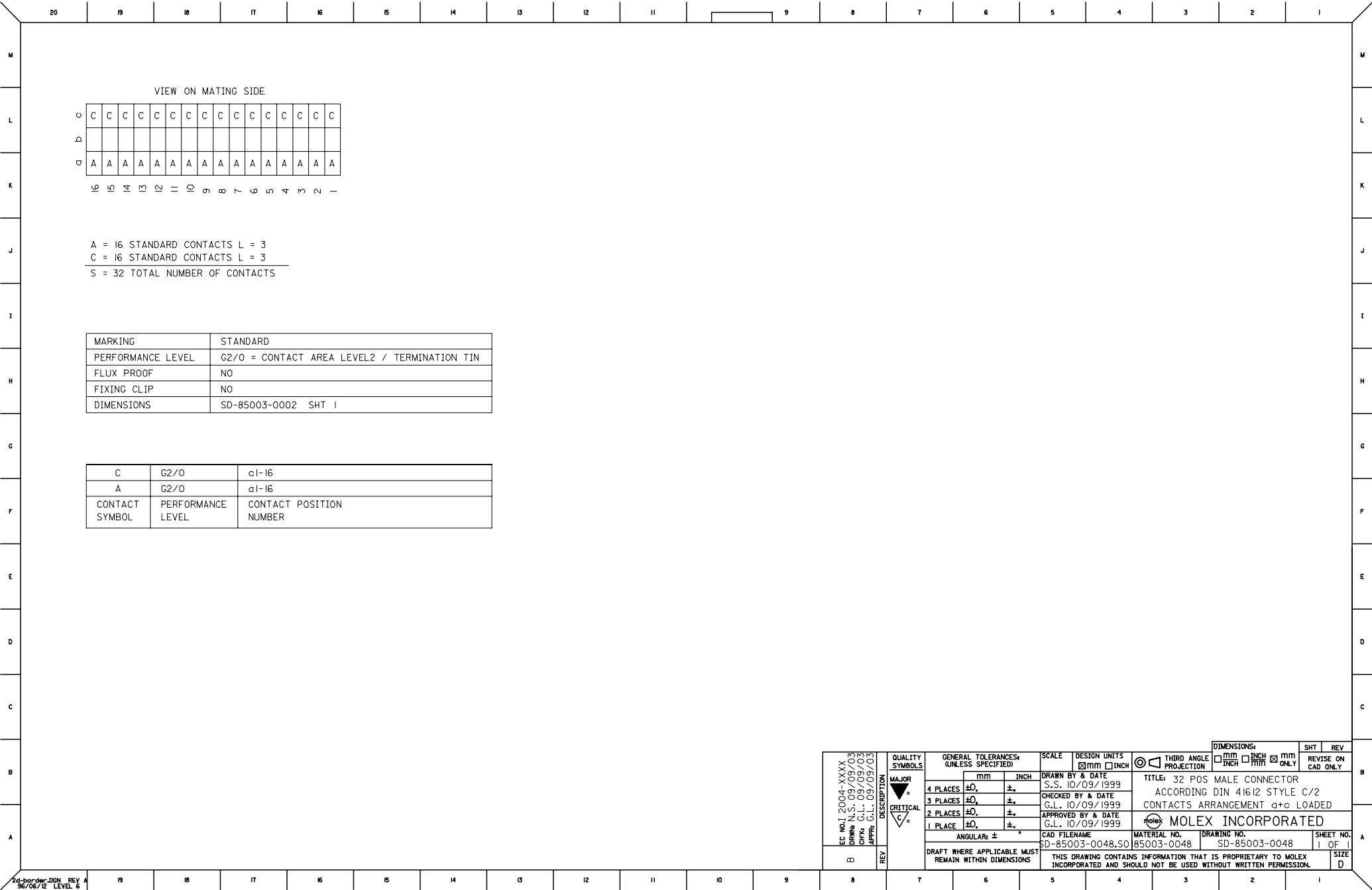
Mates With
[85042](#) DIN 41612 Receptacle. [85052](#) DIN
41612 Header

Reference - Drawing Numbers

Packaging Specification	PK-85003-002
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-0048

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	NO
DIMENSIONS	SD-85003-0002 SHT 1

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

EC NO.1 2004-XXXX DRAWN N.S. 09/09/03 CHK'D G.L. 09/09/03 APPR'D G.L. 09/09/03	QUALITY SYMBOLS MAJOR CRITICAL MINOR	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☒ MM ☐ INCH	 THIRD ANGLE PROJECTION ☐ INCH ☐ MM ☒ MM ONLY	DIMENSIONS: ☐ INCH ☐ INCH ☐ MM		SHT	REV			
									REVISE ON CAD ONLY				
				DRAWN BY & DATE S.S. 10/09/1999			TITLE: 32 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT a+c LOADED						
				CHECKED BY & DATE G.L. 10/09/1999									
				APPROVED BY & DATE G.L. 10/09/1999									
B	REV	4 PLACES ±0.1 ±.1		DRAWN BY & DATE S.S. 10/09/1999		 MOLEX INCORPORATED							
		3 PLACES ±0.1 ±.1		CHECKED BY & DATE G.L. 10/09/1999									
		2 PLACES ±0.1 ±.1		APPROVED BY & DATE G.L. 10/09/1999									
		1 PLACE ±0.1 ±.1											
		ANGULAR ±		CAD FILENAME SD-85003-0048.S0		MATERIAL NO. 85003-0048		DRAWING NO. SD-85003-0048		SHEET NO. 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.								SIZE D	