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Part Number: [0850039027](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C/2 Style Male Header, Right Angle, Through Hole, 0.80µm (32µ") Selective Gold (Au) Plating, 16 Circuits, without Mounting Clips, No Flux Proof, Lead free

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Backplane Connectors
 Series [85003](#)
 Application Backplane
 Comments No Mounting Clips. No Flux Proof. 5.4mm(.213") First-Mate-Last- Break Contacts. 4.8mm(.189") Normal Contacts
 Component Type PCB Header
 Overview [din_41612](#)
 Product Name IEC 603-2/DIN 41612
 Style C/2

Physical

Circuits (Loaded) 16
 Circuits (maximum) 48
 Circuits Detail Standard Contacts at: A:a4,a6,a8,a10,a12,a14; C:c4,c6,c8,c10,c12,c14. First-Mate-Last-Break Contacts at: Z:a2,a16,c2,c16
 Color - Resin Gray
 Durability (mating cycles max) 400
 First Mate / Last Break Yes
 Flammability 94V-0
 Guide to Mating Part No
 Keying to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Polyester
 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 Carton
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Pitch - Term. Interface (in) 0.100 In

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](#)

Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (μ in)	32
Plating min: Mating (μ m)	0.80
Plating min: Termination (μ in)	98
Plating min: Termination (μ m)	2.5
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

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

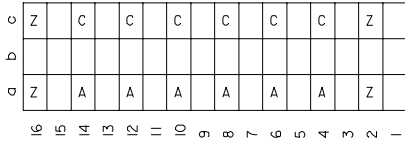
Sales Drawing	SD-85003-9027
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20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE



A = 6 STANDARD CONTACTS L = 3
 C = 6 STANDARD CONTACTS L = 3
 Z = 4 FMLB CONTACTS +0.6 L = 3
 S = 16 TOTAL NUMBER OF CONTACTS

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

Z	G2/O	a2,16 c2,16
C	G2/O	c4,6,8,10,12,14
A	G2/O	a4,6,8,10,12,14
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN N.S. 09/09/03 CHK'd G.L. 09/09/03 APPR. G.L. 09/09/03	QUALITY SYMBOLS MAJOR ∇ CRITICAL ∇	GENERAL TOLERANCES: (UNLESS SPECIFIED) mm INCH 4 PLACES ± 0.1 \pm 3 PLACES ± 0.1 \pm 2 PLACES ± 0.1 \pm 1 PLACE ± 0.1 \pm ANGULAR: \pm	SCALE DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	DRAWN BY & DATE N.S. 24/12/02 CHECKED BY & DATE G.L. 24/12/02 APPROVED BY & DATE G.L. 24/12/02	DIMENSIONS: <input type="checkbox"/> DIM INCH <input type="checkbox"/> INCH <input checked="" type="checkbox"/> DIM ONLY THIRD ANGLE PROJECTION	SHT 1 REV REVISE ON CAD ONLY	
	CAD FILENAME SD-85003-9027.S0	MATERIAL NO. 85003-9027	DRAWING NO. SD-85003-9027	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT	SHEET NO. 1 OF 1	SIZE D	
	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.						

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1