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Part Number: [0850037055](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C/2 Style Male Header, Right Angle, Through Hole, 1.27µm (50µ") Selective Gold (Au) Plating, 48 Circuits, without Mounting Clips, No Flux Proof, High Temperature version

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-85003-0001 \(PDF\)](#)

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-BreakContacts. 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) 48
 Circuits (maximum) 48
 Circuits Detail Standard Contacts at: A:a2-a15; B:b1-b16, C:c2-c15 . First-Mate-Last- Break Contacts at: X:c1,c16; Z:a1,a16
 Color - Resin Natural
 Durability (mating cycles max) 500
 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 High Temperature Thermoplastic
 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 **China RoHS**

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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)	50
Plating min: Mating (μ m)	1.27
Plating min: Termination (μ in)	98
Plating min: Termination (μ m)	2.5
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	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85003-0001
Sales Drawing	SD-85003-7055

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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
 B = 16 STANDARD CONTACTS L = 3
 C = 14 STANDARD CONTACTS L = 3
 Z = 2 FMLB CONTACTS +0.6 L = 3
 X = 2 FMLB CONTACTS +0.6 L = 3
 S = 48 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL I / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0002 SHT 4

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.1 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. ±. 3 PLACES ±0. ±. 2 PLACES ±0. ±. 1 PLACE ±0. ±.	SCALE DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY THIRD ANGLE PROJECTION TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C/2 CONTACTS ARRANGEMENT (HIGH TEMP)	SHEET NO. 1 OF 1
	CAD FILENAME SD-85003-7055.S01	MATERIAL NO. 85003-7055	DRAWING NO. SD-85003-7055	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	MOLEX INCORPORATED	SIZE D

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