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**Part Number:** [0850039054](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 96 Circuits, with Mounting Clips, No Flux Proof, Lead free

**Documents:**

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

**General**

Product Family	Backplane Connectors
Series	<a href="#">85003</a>
Application	Backplane
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	<a href="#">din_41612</a>
Product Name	IEC 603-2/DIN 41612
Style	C

**Physical**

Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	First-Mate-Last-Break Contacts at: A:a1-a11,a14-a32; B:b1-b32; C:c1- c11,c14-c32-. First-Mate-Last-Break Contacts at: Z:a12-a13;X:c12-c13
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	Yes
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	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
Plating min: Mating (µin)	32
Plating min: Mating (µm)	0.80
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55°C to +125°C

**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](mailto: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](#)

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**

Packaging Specification

PK-85003-001

Sales Drawing

SD-85003-9054

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VIEW ON MATING SIDE

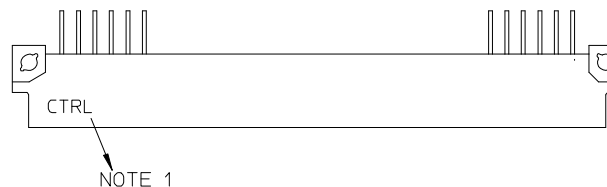
32	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	X	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
31	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A = 30 FMLB CONTACTS L = 3  
 B = 30 FMLB CONTACTS L = 3  
 C = 30 FMLB CONTACTS L = 3  
 Y = 2 FMLB CONTACTS 0.8+/-0.1 L = 3  
 X = 2 FMLB CONTACTS 0.8+/-0.1 L = 3  
 S = 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	E-85003-0001 SHT 1-2

X	G2/O	c12,13
Z	G2/O	a12,13
C	G2/O	c1-11 & c14-32
B	G2/O	b1-32
A	G2/O	a1-11 & a14-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER



NOTE 1  
 1. PRINTING TO BE MADE ON THE CONNECTOR

ENTER DESCRIPTION EC NO: I2008-0684 DRWN: SJ 2008/05/28 CHKD: KPRASAD 2008/05/31 APPR: KPRASAD 2008/06/20 REV: A1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DIMENSION STYLE MM ONLY DRAWN BY DATE SJ 2008/02/13 CHECKED BY DATE KPRASAD 2008/02/13 APPROVED BY DATE KPRASAD 2008/02/13	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 96 POS. MALE CONN WITH PINS EXTRA LENGTH STYLE C CONTACTS ARRANGE MOLEX MOLEX INCORPORATED		MATERIAL NO. 850039054 DOCUMENT NO. SD-85003-9054 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			
	A1						
	A3						
	A1						