

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0850039007](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.80µm (32µ") Selective Gold (Au) Plating, 64 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-BreakContacts. 4.8mm(.189") Normal Contacts  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C

**Physical**

Circuits (Loaded) 64  
 Circuits (maximum) 96  
 Circuits Detail Standard Contacts at: A:a17-a18; C:c8,c14,c17,c19,c26. First-Mate- Last-Break Contacts at: X:c1-c7,c9-c13,c15,c16,c18,c20-c25,c27-c32; Z:a1-a16,a19-a32  
 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

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free Status**

**China RoHS**



**Not Reviewed**

**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](#)

Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating ( $\mu$ in)	32
Plating min: Mating ( $\mu$ m)	0.80
Plating min: Termination ( $\mu$ in)	98
Plating min: Termination ( $\mu$ 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	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

### **Material Info**

### **Reference - Drawing Numbers**

Sales Drawing	SD-85003-9007
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VIEW ON MATING SIDE

32	X	X	X	X	C	X	X	X	X	X	C	X	C	X	X	C	X	X	X	X	C	X	X	X	X	X	X	X	X	X	X	X
31																																
30	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	A	A	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z		
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- A = 2 STANDARD CONTACTS L = 3  
 C = 5 STANDARD CONTACTS L = 3  
 Z = 30 FMLB CONTACTS +0.6 L = 3  
 X = 27 FMLB CONTACTS +0.6 L = 3  
 S = 64 TOTAL NUMBER OF CONTACTS

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

X	G2/O	c1-7, 9-13, 15,16, 18, 20-25, 27-32
Z	G2/O	a1-16, 19-32
C	G2/O	c8,14,17,19, 26
A	G2/O	a17-18
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN/S. 09/09/03 CHK/G.L. 09/09/03 APPR/G.L. 09/09/03	QUALITY SYMBOLS MAJOR $\nabla$ CRITICAL $\nabla$	GENERAL TOLERANCES: (UNLESS SPECIFIED) DIM INCH   FMM INCH   FMM ONLY	SCALE DESIGN UNITS <input type="checkbox"/> FMM <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> FMM <input checked="" type="checkbox"/> INCH <input type="checkbox"/> FMM ONLY	DIMENSIONS: <input type="checkbox"/> DIM INCH <input type="checkbox"/> INCH ONLY	SHEET REV REVISE ON CAD ONLY
	4 PLACES $\pm 0.1$ mm $\pm 0.005$ INCH 3 PLACES $\pm 0.15$ mm $\pm 0.0075$ INCH 2 PLACES $\pm 0.2$ mm $\pm 0.008$ INCH 1 PLACE $\pm 0.3$ mm $\pm 0.012$ INCH	DRAWN BY & DATE N.S. 23/07/01	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT(WITH CODING)			
	CAD FILENAME SD-85003-9007.S01	MATERIAL NO. 85003-9007	DRAWING NO. SD-85003-9007	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.				