

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

**Part Number:** [0850039005](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 1.27µm (50µ") Selective Gold (Au) Plating, 96 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  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C

**Physical**

Circuits (Loaded) 96  
 Circuits (maximum) 96  
 Circuits Detail Standard Contacts at: A:a1-a32; B:b1-b32; C:c1-c32  
 Color - Resin Gray  
 Durability (mating cycles max) 500  
 First Mate / Last Break No  
 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  
 Pitch - Term. Interface (mm) 2.54 mm  
 Plating min: Mating (µin) 50  
 Plating min: Mating (µm) 1.27  
 Plating min: Termination (µin) 98

**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



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 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](#)

Plating min: Termination (µm)	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)

#### **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-85003-9005
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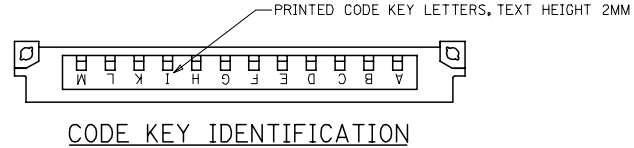
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20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

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
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
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
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	



A = 32 STANDARD CONTACTS L = 3  
 B = 32 STANDARD CONTACTS L = 3  
 C = 32 STANDARD CONTACTS L = 3  
 S = 96 TOTAL NUMBER OF CONTACTS

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

C	G/I/O	c1-32
B	G/I/O	b1-32
A	G/I/O	a1-32
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 $\nabla$ CRITICAL $\nabla$	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY <input checked="" type="checkbox"/> INCH ONLY	THIRD ANGLE PROJECTION	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT (WITH CODING)	SHEET NO. 1 OF 1
		4 PLACES $\pm 0.1$	$\pm$	DRAWN BY & DATE S.S. 04/07/01	MATERIAL NO. 85003-9005 DRAWING NO. SD-85003-9005				
		3 PLACES $\pm 0.1$	$\pm$	CHECKED BY & DATE G.L. 04/07/01					
		2 PLACES $\pm 0.1$	$\pm$	APPROVED BY & DATE G.L. 04/07/01					
1 PLACE $\pm 0.1$	$\pm$	CAD FILENAME SD-85003-9005.S0							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR: $\pm$		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		MOLEX MOLEX INCORPORATED		SIZE D	

24-border.DGN REV 4 96/06/12 LEVEL 6 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1