

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

**Part Number:** [0850033122](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 64 Circuits, without Mounting Clips, No Flux Proof

**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. 4.2mm(.165") Last-Mate-First- Break Contacts. 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

**Physical**

Circuits (Loaded) 64  
 Circuits (maximum) 96  
 Circuits Detail Standard Contacts at: A:a2,a3,a5-a31; C:c2,c3,c5-c31. First-Mate-Last-Break Contacts at: X:c1,c4,c32; Z:a1,a4,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** **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](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)	24
Plating min: Mating ( $\mu$ m)	0.60
Plating min: Termination ( $\mu$ in)	98
Plating min: Termination ( $\mu$ 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-85003-3122

This document was generated on 05/17/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

Q	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	X	C	C	X				
D																																
Q	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	A	A	Z					
	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 = 29 STANDARD CONTACTS L = 3  
 C = 29 STANDARD CONTACTS L = 3  
 Z = 3 FMLB CONTACTS +0,6 L = 3  
 X = 3 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 1

X	G2/O	c1,4,32
Z	G2/O	d1,4,32
C	G2/O	c2,3,5-31
A	G2/O	a2,3,5-31
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: 2004-XXXX DRAWN: S.S. 09/09/1999 CHK: G.L. 09/09/1999 APPR: G.L. 09/09/1999	QUALITY SYMBOLS MAJOR $\nabla$ CRITICAL $\nabla$	GENERAL TOLERANCES: (UNLESS SPECIFIED) 4 PLACES $\pm 0,1$ INCH 3 PLACES $\pm 0,15$ INCH 2 PLACES $\pm 0,2$ INCH 1 PLACE $\pm 0,3$ INCH	SCALE: $\frac{1}{1}$ DESIGN UNITS: <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	DRAWN BY & DATE: S.S. 14/09/1999 CHECKED BY & DATE: G.L. 14/09/1999 APPROVED BY & DATE: G.L. 14/09/1999	DIMENSIONS: <input type="checkbox"/> MM <input type="checkbox"/> INCH <input checked="" type="checkbox"/> MM ONLY THIRD ANGLE PROJECTION: <input type="checkbox"/> FIRST ANGLE <input checked="" type="checkbox"/> THIRD ANGLE	SHT 1 REV 1 REVISE ON CAD ONLY
	CAD FILENAME: SD-85003-3122.S01	MATERIAL NO.: 85003-3122	DRAWING NO.: SD-85003-3122	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C 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