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**Part Number:** [0850031378](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 C/3 Style Male Header, Right Angle, Through Hole, 1.27µm (50µ") Selective Gold (Au) Plating, 30 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  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C/3

**Physical**

Circuits (Loaded) 30  
 Circuits (maximum) 30  
 Circuits Detail Standard Contact Positions: A:a1-a10; B:b1-b10; C:c1-c10  
 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

**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](#)

Plating min: Mating ( $\mu\text{m}$ )	1.27
Plating min: Termination ( $\mu\text{in}$ )	98
Plating min: Termination ( $\mu\text{m}$ )	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-85003-1378

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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

○	C	C	C	C	C	C	C	C	C	C
△	B	B	B	B	B	B	B	B	B	B
○	A	A	A	A	A	A	A	A	A	A

10 9 8 7 6 5 4 3 2 1

A = 10 STANDARD CONTACTS L = 3  
 B = 10 STANDARD CONTACTS L = 3  
 C = 10 STANDARD CONTACTS L = 3  
 S = 30 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G/I/O = CONTACT AREA LEVEL 1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0003 SHT 1

C	G/I/O	c1-10
B	G/I/O	b1-10
A	G/I/O	a1-10
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	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	DIMENSIONS:		SHT	REV	
	MAJOR			<input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	<input type="checkbox"/> MM <input type="checkbox"/> INCH	<input type="checkbox"/> MM ONLY <input checked="" type="checkbox"/> INCH ONLY		REVISE ON CAD ONLY	
	CRITICAL								
A	DESCRIPTION	4 PLACES ±0. ±.	DRAWN BY & DATE	THIRD ANGLE PROJECTION		TITLE: 30 POS MALE CONNECTOR			
		3 PLACES ±0. ±.	N.S. 09/09/03			ACCORDING DIN 41612 STYLE C/3			
		2 PLACES ±0. ±.	CHECKED BY & DATE			CONTACTS ARRANGEMENT			
		1 PLACE ±0. ±.	G.L. 09/09/03			MOLEX INCORPORATED			
		ANGULAR ±	APPROVED BY & DATE						
			G.L. 09/09/03						
			CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.			
			SD-85003-1378.S01	85003-1378	SD-85003-1378	1 OF 1			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE
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