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**Part Number:** [0850033134](#)  
**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, Lead free

**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) 64  
 Circuits Detail Standard Contacts at: A:a2,a3,a5-a29; C:c2,c3,c5-c29.  
 First-Mate-Last-Break Contacts at: X:c1,c4,c30,c31;  
 Z:a1,a4,a30,a31  
 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**  
**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](#)

Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	98
Plating min: Termination (µm)	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**

Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-3134

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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	X	X	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				
⊙	A	Z	Z	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 = 28 STANDARD CONTACTS L = 3  
 C = 28 STANDARD CONTACTS L = 3  
 Z = 4 FMLB CONTACTS +0.6 L = 3  
 X = 4 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	c1,4,30,31
Z	G2/O	d1,4,30,31
C	G2/O	c2,3,5-29,32
A	G2/O	d2,3,5-29,32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: 2004-XXXX DRAWN: 09/09/03 CHK: 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 type="checkbox"/> MM	<input type="checkbox"/> INCH		
	CRITICAL				<input type="checkbox"/> MM	<input checked="" type="checkbox"/> INCH		
						<input type="checkbox"/> INCH	<input type="checkbox"/> MM ONLY	
	DESCRIPTION	4 PLACES ±0. ±.	DRAWN BY & DATE	THIRD ANGLE PROJECTION		TITLE: 64 POS MALE CONNECTOR		
		3 PLACES ±0. ±.	S.S. 14/09/1999	ACCORDING DIN 41612 STYLE C		CONTACTS ARRANGEMENT		
		2 PLACES ±0. ±.	G.L. 14/09/1999	MATERIAL NO.		DRAWING NO.		
		1 PLACE ±0. ±.	G.L. 14/09/1999	SD-85003-3134		SD-85003-3134		
		ANGULAR ±	CAD FILENAME	85003-3134		SHEET NO.		
			SD-85003-3134.S0	85003-3134		1 OF 1		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE		
						D		

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