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**Part Number:** [0850039009](#)  
**Status:** **Active**  
**Overview:** DIN 41612  
**Description:** 2.54mm Pitch DIN 41612 C/2 Style Male Header, Right-Angle, Through Hole, 0.60µm Selective Gold (Au) Plating, 64 Circuits, with Mounting Clips, No Flux Proof, Lead-Free, High Temperature version

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-85003-001 \(PDF\)](#)

**Agency Certification**

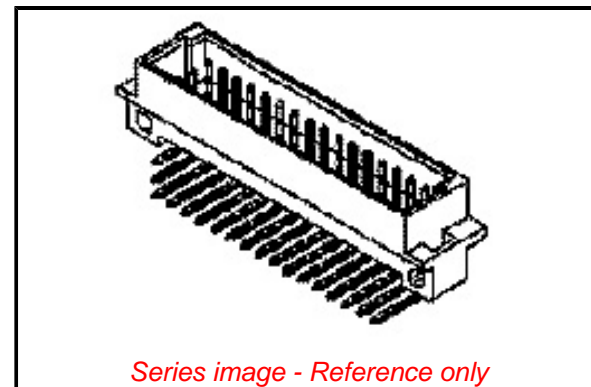
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [85003](#)  
 Application Backplane  
 Comments With Mounting Clips. No Flux Proof. 5.40mm First-Mate-Last-Break Contacts. 4.80mm Normal Contacts  
 Component Type PCB Header  
 Overview [DIN 41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style C  
 UPC 800756540658

**Physical**

Circuits (Loaded) 64  
 Circuits (maximum) 96  
 Circuits Detail Standard Contacts at: A:a2-a31; C:c2-c31. First-Mate-Last-Break Contacts at: X:c1,c32; Z:a1,a32  
 Color - Resin Natural  
 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 High Temperature Thermoplastic  
 Net Weight 11.630/g  
 Number of Columns 16  
 Number of Pairs Open Pin Field  
 Number of Rows 3  
 Orientation Right Angle  
 PC Tail Length 3.00mm  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Carton  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 2.54mm  
 Plating min - Mating 0.610µm  
 Plating min - Termination 2.540µm  
 Polarized to PCB Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[85003 Series](#)

|                                    |                |
|------------------------------------|----------------|
| Stackable                          | No             |
| Temperature Range - Operating      | -55° to +125°C |
| Termination Interface: Style       | Through Hole   |
| <b>Electrical</b>                  |                |
| Current - Maximum per Contact      | 1.0A           |
| Data Rate                          | 622.0 Mbps     |
| Voltage - Maximum                  | 250V AC (RMS)  |
| <b>Material Info</b>               |                |
| <b>Reference - Drawing Numbers</b> |                |
| Packaging Specification            | PK-85003-001   |
| Sales Drawing                      | SD-85003-9009  |

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