

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0850039023](#)  
**Status:** **Active**  
**Overview:** [DIN 41612](#)  
**Description:** 2.54mm Pitch DIN 41612 C Style Male Header, Right-Angle, Through Hole, 0.30µm Gold (Au) Plating, 32 Circuits, No Mounting Clips, No Flux Proof, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

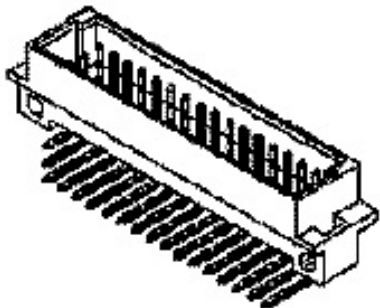
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [85003](#)  
Application Backplane  
Comments No Mounting Clips. No Flux Proof, No Mounting Clips.  
No Flux Proof  
Component Type PCB Header  
Overview [DIN 41612](#)  
Product Name IEC 603-2/DIN 41612  
Style C  
UPC 756054404324

**Physical**

Circuits (Loaded) 32  
Circuits (maximum) 96  
Circuits Detail Standard Contacts at: A:a2,a4,a6,a8...,a32;  
C:c1,c3,c5,c7,...c31  
Color - Resin Gray  
Durability (mating cycles max) 50  
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  
Net Weight 9.924/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 Tray  
Pitch - Mating Interface 2.54mm  
Pitch - Termination Interface 2.54mm  
Plating min - Mating 0.305µm  
Plating min - Termination 2.540µm  
Polarized to PCB Yes  
Stackable No  
Temperature Range - Operating -55° to +125°C



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

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

**Search Parts in this Series**

[85003 Series](#)

|                                                |               |
|------------------------------------------------|---------------|
| Termination Interface: Style                   | Through Hole  |
| <b>Electrical</b>                              |               |
| Current - Maximum per Contact                  | 2.5A          |
| Data Rate                                      | 622.0 Mbps    |
| Voltage - Maximum                              | 250V AC (RMS) |
| <b>Solder Process Data</b>                     |               |
| Duration at Max. Process Temperature (seconds) | 010           |
| Lead-freeProcess Capability                    | WAVE          |
| Process Temperature max. C                     | 206           |
| <b>Material Info</b>                           |               |
| <b>Reference - Drawing Numbers</b>             |               |
| Sales Drawing                                  | SD-85003-9023 |

This document was generated on 09/17/2019

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[85003-9023](#)