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**Part Number:** [0850090103](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 M Style Male Header, Right Angle, Through Hole, 52 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 [85009](#)  
 Application Backplane  
 Comments No Mounting Clips. No Flux Proof  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style M

**Physical**

Circuits (Loaded) 52  
 Circuits (maximum) 78  
 Circuits Detail Standard Contacts at: A:a4-a29; C:c4-c29  
 Durability (mating cycles max) 400  
 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  
 Number of Columns 26  
 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  
 Packaging Type Tray  
 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) 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

**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**

[85009Series](#)

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-85009-001  
Product Specification PS-85003-0001  
Sales Drawing SDA-85009-0004, SDA-85009-0103

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