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**Part Number:** [0850090048](#)  
**Status:** **Active**  
**Overview:** DIN 41612  
**Description:** 2.54mm Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Male Style M, Right-Angle, Through Hole, 0.6µ Selective Gold (Au), 42 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-85003-0001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [85009](#)  
 Application Backplane  
 Comments Mixed Layout, Mixed Layout  
 Component Type PCB Header  
 Overview [DIN 41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style M  
 UPC 800753874169

**Physical**

Circuits (Loaded) 48  
 Circuits (maximum) 48  
 Circuits Detail 42 + 6  
 Durability (mating cycles max) 400  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part No  
 Keying to Mating Part Yes  
 Material - Plating Mating Gold  
 Net Weight 10.897/g  
 Number of Columns 14  
 Number of Pairs Open Pin Field  
 Number of Rows 3  
 Orientation Right Angle  
 PC Tail Length 3.00mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 2.54mm  
 Temperature Range - Operating -55° to +125°C

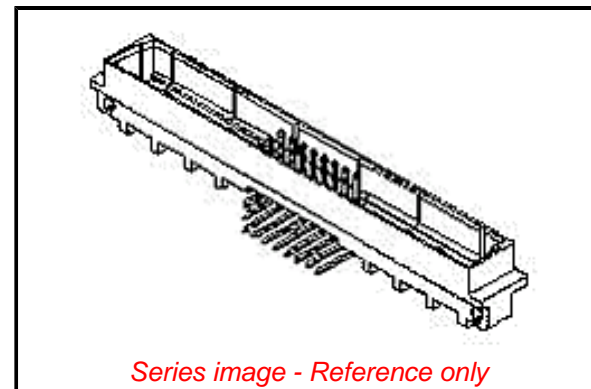
**Electrical**

Current - Maximum per Contact 1.5A  
 Data Rate 622.0 Mbps  
 Voltage - Maximum 250V AC (RMS)

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[85009](#) Series

**Mates With**

DIN 41612/IEC 603-2 Mixed Layout  
 Connector [85048](#) , [85056](#)

**Use With**

[85023](#) DIN 41612 Coaxial Contact

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

PS-85003-0001-001

SDA-85009-0002, SDA-85009-0048

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