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**Part Number:** [0850037005](#)  
**Status:** **Active**  
**Overview:** [DIN 41612](#)  
**Description:** 2.54mm Pitch DIN 41612 C Style Male Header, Right-Angle, Through Hole, 0.30µm Selective Gold (Au) Plating, 96 Circuits, without Mounting Clips, No Flux Proof, Lead-Free, High Temperature version

**Documents:**

[Drawing \(PDF\)](#)      [Packaging Specification PK-85003-001 \(PDF\)](#)  
[Product Specification PS-85003-0001-001 \(PDF\)](#)      [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

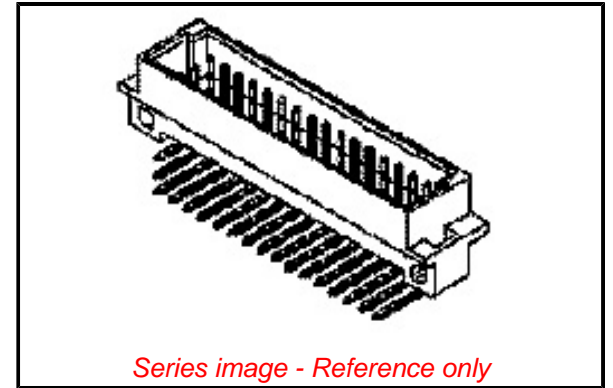
CSA      LR19980  
 UL      E29179

**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      800753874107

**Physical**

Circuits (Loaded)      96  
 Circuits (maximum)      96  
 Circuits Detail      Standard Contacts at: A:a1-a32; B:b1-b32; C:c1-c32  
 Color - Resin      Natural  
 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      High Temperature Thermoplastic  
 Net Weight      13.266/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      0.305µm  
 Plating min - Termination      2.540µm  
 Polarized to PCB      Yes  
 Stackable      No



**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

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[85003 Series](#)

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55° to +125°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	1.0A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	WAVE
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001-001
Sales Drawing	SD-85003-7005

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