

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [85003-7093](#)  
**Status:** **Active**  
**Overview:** [DIN 41612](#)  
**Description:** 2.54mm Pitch DIN 41612 C/2 Style Male Header, Right Angle, Through Hole, 0.80µm Selective Gold (Au) Plating, 48 Circuits, with Mounting Clips, No Flux Proof, Lead-Free, High Temperature version

**Documents:**

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

**Agency Certification**

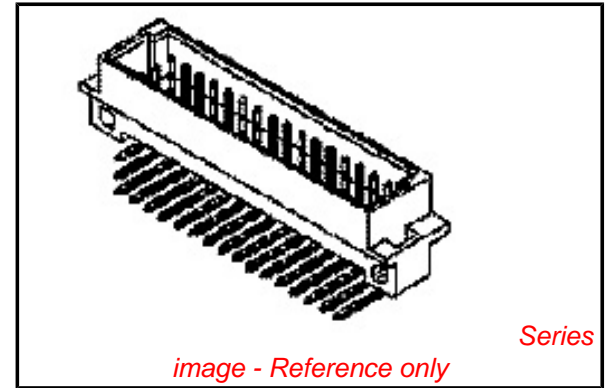
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [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/2  
 UPC 800756161235

**Physical**

Circuits (Loaded) 48  
 Circuits (maximum) 48  
 Circuits Detail Standard Contacts at: A:a2-a15; B:b1-b16, C:c2-c15 .  
 First-Mate-Last-Break Contacts at: X:c1,c16; Y:b1,b16;  
 Z:a1,a16  
 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 7.822/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 0.813µm



**EU RoHS**

**ELV and RoHS  
 Compliant**  
**REACH SVHC  
 Not Reviewed**  
**Low-Halogen Status  
 Not Reviewed**

**China RoHS**



**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**  
 85003Series

Plating min - Termination	2.540μm
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
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**

Product Specification	PS-85003-0001
Sales Drawing	SD-85003-0002, SD-85003-7093

This document was generated on 07/03/2013

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