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**Part Number:** [0850032529](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Style C, Right Angle , Through Hole ,1μm (40μ") Selective Gold (Au) , 96 Circuits, First-Mate-Last-Break Pins Available, Lead free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

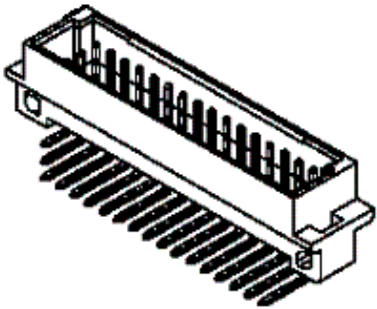
Product Family Backplane Connectors  
Series [85003](#)  
Application Daughtercard  
Component Type PCB Header  
Overview [din\\_41612](#)  
Product Name IEC 603-2/DIN 41612  
Style C

**Physical**

Circuits (Loaded) 96  
Circuits (maximum) 96  
Durability (mating cycles max) 500  
First Mate / Last Break Yes  
Flammability 94V-0  
Guide to Mating Part No  
Keying to Mating Part Yes  
Number of Columns 16  
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  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
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  
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)



*Series*  
*image - Reference only*

**EU RoHS**

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

**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](#)

**Mates With**  
[85042](#) , [85052](#) Backplane Header

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 10                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|               |               |
|---------------|---------------|
| Sales Drawing | SD-85003-2529 |
|---------------|---------------|

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A = 30 STANDARD CONTACTS L = 3  
B = 32 STANDARD CONTACTS L = 3  
C = 30 STANDARD CONTACTS L = 3  
Z = 2 FMLB CONTACTS +0.6 L = 3  
X = 2 FMLB CONTACTS +0.6 L = 3

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S = 96 TOTAL NUMBER OF CONTACTS

|                   |                                              |
|-------------------|----------------------------------------------|
| MARKING           | STANDARD                                     |
| PERFORMANCE LEVEL | G/O = CONTACT AREA LEVEL 1 / TERMINATION TIN |
| FLUX PROOF        | NO                                           |
| FIXING CLIP       | NO                                           |
| DIMENSIONS        | SD-85003-0001 SHT 1                          |

|                |                   |                         |
|----------------|-------------------|-------------------------|
| X              | G1/O              | c1,32                   |
| Z              | G1/O              | a1,32                   |
| C              | G1/O              | c2-31                   |
| B              | G1/O              | b1-32                   |
| A              | G1/O              | a2-31                   |
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

|                                                                                                            |  |                                                                                                          |                                       |                                                     |       |                                                                                                                                |                                                                                                              |                                                                                                          |      |                                                                                     |      |           |      |                    |  |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-----------|------|--------------------|--|
| EC NO.1 2004-XXXX<br>DRAWN N.S. 03/09/03<br>CHECKED G.L. 09/09/03<br>APPR. G.L. 09/09/03                   |  | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                     | SCALE | DESIGN UNITS                                                                                                                   |  THIRD ANGLE PROJECTION | DIMENSIONS                                                                                               |      |                                                                                     |      | SHT       | REV  |                    |  |
|                                                                                                            |  |                                                                                                          | mm                                    |                                                     | INCH  |                                                                                                                                |                                                                                                              | mm                                                                                                       | INCH | mm                                                                                  | INCH | mm        | ONLY | REVISE ON CAD ONLY |  |
|                                                                                                            |  |                                                                                                          | 4 PLACES                              |                                                     | ±0.   | ±.                                                                                                                             |                                                                                                              | DRAWN BY & DATE                                                                                          |      | TITLE: 96 POS MALE CONNECTOR<br>RECORDING DIN 41612 STYLE C<br>CONTACTS ARRANGEMENT |      |           |      |                    |  |
|                                                                                                            |  |                                                                                                          | 3 PLACES                              |                                                     | ±0.   | ±.                                                                                                                             |                                                                                                              | CHECKED BY & DATE                                                                                        |      |                                                                                     |      |           |      |                    |  |
| MAJOR<br><br>CRITICAL |  | 2 PLACES                                                                                                 |                                       | ±0.                                                 | ±.    | G.L. 03/09/03                                                                                                                  |                                                                                                              |  MOLEX INCORPORATED |      |                                                                                     |      |           |      |                    |  |
|                                                                                                            |  | 1 PLACE                                                                                                  |                                       | ±0.                                                 | ±.    | APPROVED BY & DATE                                                                                                             |                                                                                                              |                                                                                                          |      |                                                                                     |      |           |      |                    |  |
|                                                                                                            |  | G.L. 03/09/03                                                                                            |                                       | G.L. 03/09/03                                       |       |                                                                                                                                |                                                                                                              |                                                                                                          |      |                                                                                     |      |           |      |                    |  |
| ANGLAR: ±                                                                                                  |  | CAD FILENAME                                                                                             |                                       | MATERIAL NO.                                        |       | DRAWING NO.                                                                                                                    |                                                                                                              | SHEET NO.                                                                                                |      | 1 OF 1                                                                              |      |           |      |                    |  |
| B                                                                                                          |  | REV                                                                                                      |                                       | DRAFT HERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                                              |                                                                                                          |      |                                                                                     |      | SIZE<br>D |      |                    |  |