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**Part Number:** [0850090012](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Male Style M, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), 32 Circuits

**Documents:**  
[3D Model](#) [Product Specification PS-85003-0001 \(PDF\)](#)  
[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  
Component Type PCB Header  
Overview [din\\_41612](#)  
Product Name IEC 603-2/DIN 41612  
Style M

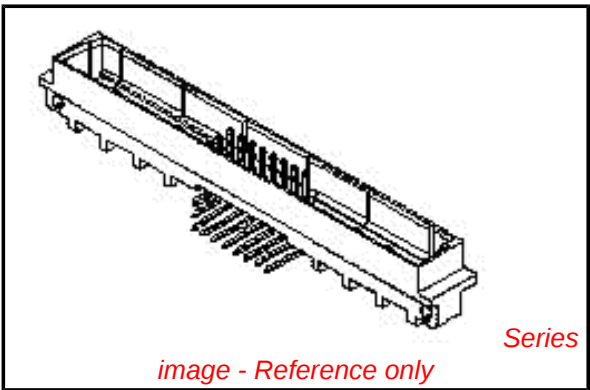
**Physical**

Circuits (Loaded) 32  
Circuits (maximum) 32  
Circuits Detail 24 + 8  
Durability (mating cycles max) 400  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part No  
Keying to Mating Part Yes  
Number of Columns 8  
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 None  
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  
Temperature Range - Operating -55°C to +125°C

**Electrical**

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

**Material Info**



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**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](#)

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

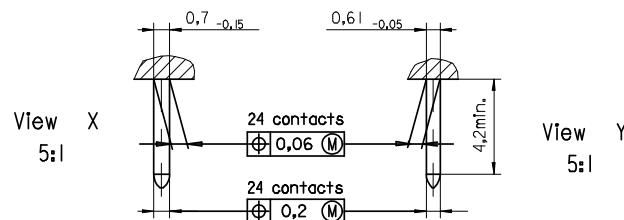
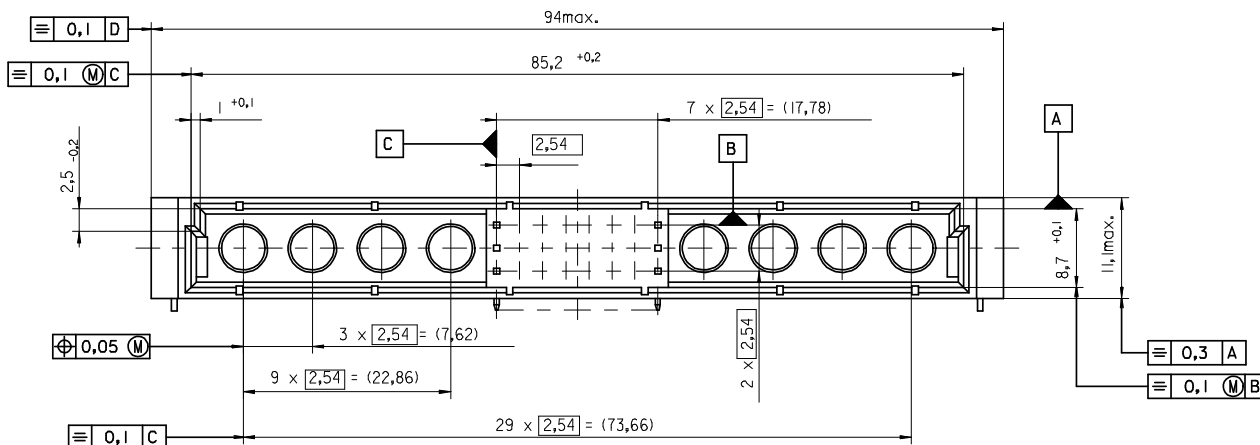
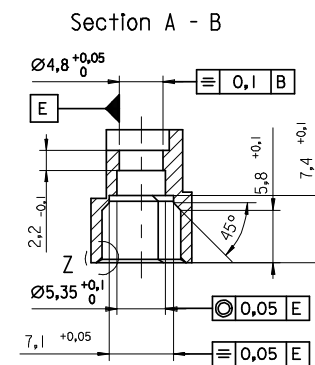
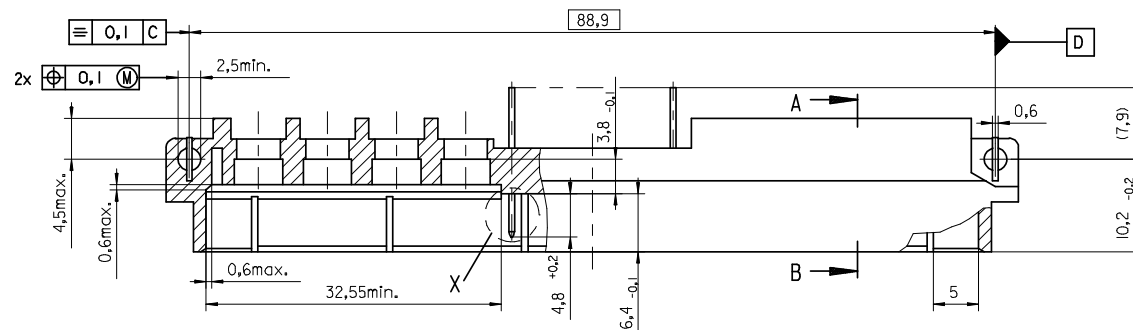
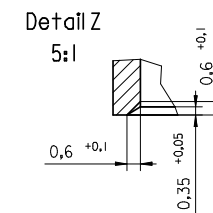
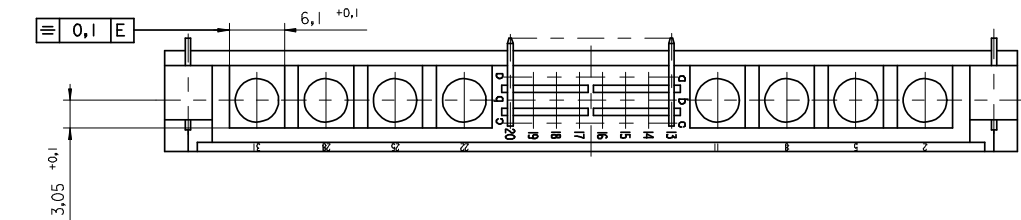
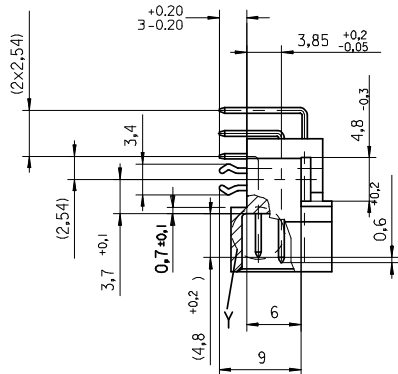
**Use With**  
[85023](#) DIN 41612 Coaxial Contact

**Reference - Drawing Numbers**

|                         |                                |
|-------------------------|--------------------------------|
| Packaging Specification | PK-85009-001                   |
| Product Specification   | PS-85003-0001                  |
| Sales Drawing           | SDA-85009-0001, SDA-85009-0012 |

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| EC NO: I2009-0039<br>2008/07/28<br>DRWNSJ<br>CHKD:KPRASAD<br>2008/07/31<br>APPR:KPRASAD<br>2008/08/11                         |    | QUALITY SYMBOLS<br>▽ =<br>▽ =        | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <thead> <tr> <th></th><th>mm</th><th>INCH</th></tr> </thead> <tbody> <tr> <td>4 PLACES</td><td>±</td><td>±</td></tr> <tr> <td>3 PLACES</td><td>±</td><td>±</td></tr> <tr> <td>2 PLACES</td><td>±</td><td>±</td></tr> <tr> <td>1 PLACE</td><td>±</td><td>±</td></tr> </tbody> </table> |                     | mm | INCH | 4 PLACES | ± | ± | 3 PLACES | ± | ± | 2 PLACES | ± | ± | 1 PLACE | ± | ± | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY CA DATE 1995/06/12<br>CHECKED BY KN DATE 1995/06/12<br>APPROVED BY KN DATE 1995/06/12<br>MATERIAL NO. ----- | SCALE<br><b>2:1</b><br>TITLE<br>24POS.<br>MALE DIN CONNECTOR<br>DIN 41612 STYLE M | DESIGN UNITS<br><b>METRIC</b><br>THIRD ANGLE PROJECTION |
|-------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----|------|----------|---|---|----------|---|---|----------|---|---|---------|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|
|                                                                                                                               | mm | INCH                                 |                                                                                                                                                                                                                                                                                                                                                   |                     |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
| 4 PLACES                                                                                                                      | ±  | ±                                    |                                                                                                                                                                                                                                                                                                                                                   |                     |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
| 3 PLACES                                                                                                                      | ±  | ±                                    |                                                                                                                                                                                                                                                                                                                                                   |                     |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
| 2 PLACES                                                                                                                      | ±  | ±                                    |                                                                                                                                                                                                                                                                                                                                                   |                     |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
| 1 PLACE                                                                                                                       | ±  | ±                                    |                                                                                                                                                                                                                                                                                                                                                   |                     |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    |    | MOLEX INCORPORATED<br>SDA-85009-0001 |                                                                                                                                                                                                                                                                                                                                                   | SHEET NO.<br>1 OF 2 |    |      |          |   |   |          |   |   |          |   |   |         |   |   |                                                                                                                                                           |                                                                                   |                                                         |
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