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Part Number:

0850090359

Status:

Active

Overview:

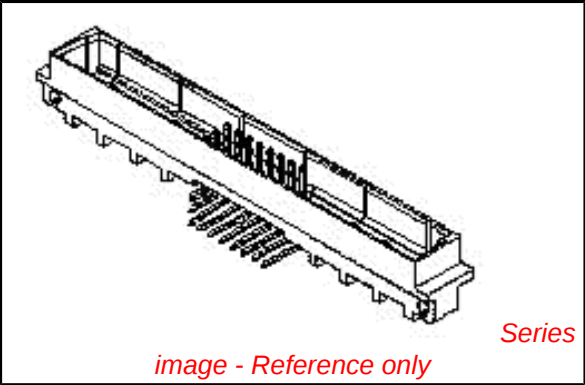
din\_41612

Description:

2.54mm (.100") Pitch DIN 41612/EIC 603-2 Mixed Layout Connector, Male Style M , Right Angle, Through Hole, 1µm (40µ") Selective Gold (Au), 80 Circuits

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Documents:                    |                                                           |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-85003-0001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |

|                                |                      |
|--------------------------------|----------------------|
| 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)              | 80                   |
| Circuits (maximum)             | 80                   |
| Circuits Detail                | 78 + 2               |
| Durability (mating cycles max) | 500                  |
| First Mate / Last Break        | No                   |
| Flammability                   | 94V-0                |
| Guide to Mating Part           | No                   |
| Keying to Mating Part          | Yes                  |
| Number of Columns              | 26                   |
| 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  | 1A                   |
| 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

China RoHS



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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

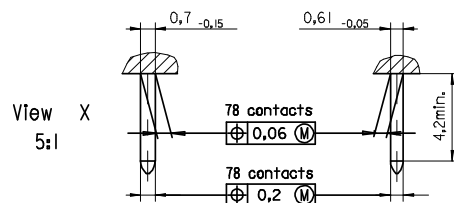
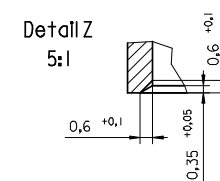
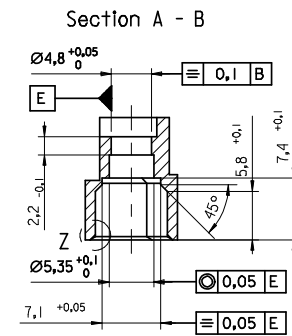
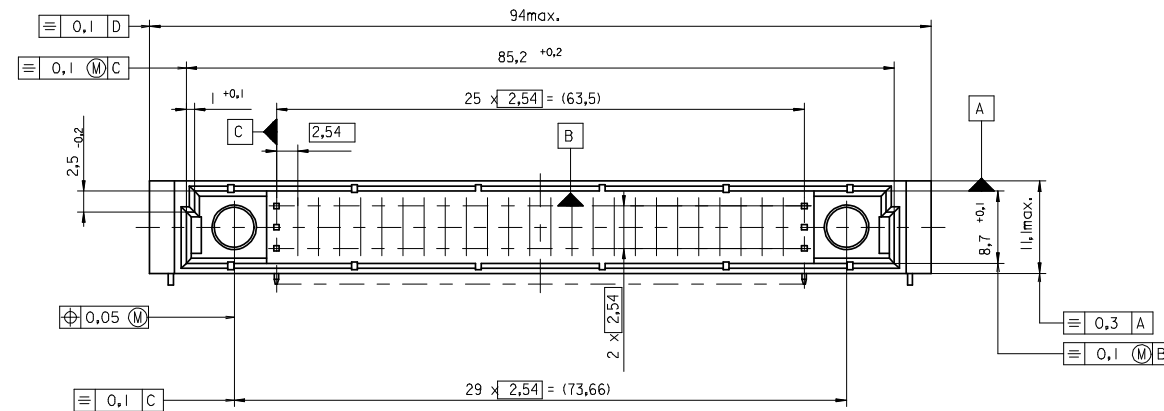
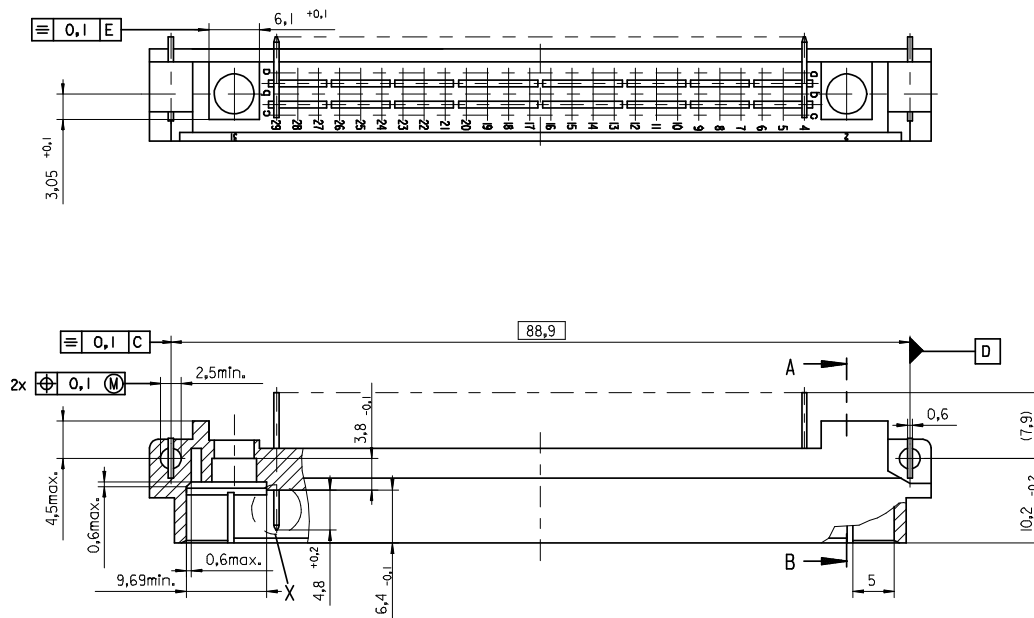
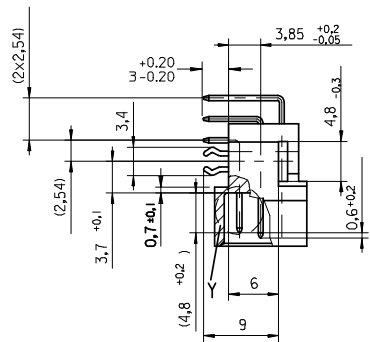
[85023](#) DIN 41612 Coaxial Contact

**Reference - Drawing Numbers**

|                         |                                |
|-------------------------|--------------------------------|
| Packaging Specification | PK-85009-001                   |
| Product Specification   | PS-85003-0001                  |
| Sales Drawing           | SDA-85009-0004, SDA-85009-0359 |

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View Y  
5:1

|                                                                                  |                                        |             |                               |                                                            |      |                            |                       |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |
|----------------------------------------------------------------------------------|----------------------------------------|-------------|-------------------------------|------------------------------------------------------------|------|----------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--|--|---------------------|--|
| ENTER DESCRIPTION<br>EC NO: I2009-0039<br>DRWNSJ<br>CHKD:KPRASAD<br>APPR:KPRASAD | 2008/07/28<br>2008/07/31<br>2008/08/11 | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      | DIMENSION STYLE<br>MM ONLY |                       | SCALE<br>2:1                                                                                                                  | DESIGN UNITS<br>METRIC                                                           | THIRD ANGLE PROJECTION<br>78POS.<br>MALE DIN CONNECTOR<br>DIN 41612 STYLE M |  |  |                     |  |
|                                                                                  |                                        |             |                               |                                                            | mm   | INCH                       | DRAWN BY<br>CA        | DATE<br>1995/06/13                                                                                                            | TITLE<br>78POS.<br>MALE DIN CONNECTOR<br>DIN 41612 STYLE M<br>MOLEX INCORPORATED |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               | 4 PLACES                                                   | ±--- | ±---                       | CHECKED BY<br>KN      | DATE<br>1995/06/13                                                                                                            |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               | 3 PLACES                                                   | ±--- | ±---                       | APPROVED BY<br>KN     | DATE<br>1995/06/13                                                                                                            |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               | 2 PLACES                                                   | ±--- | ±---                       | MATERIAL NO.<br>----- | DOCUMENT NO.<br>SDA-85009-0004                                                                                                |                                                                                  |                                                                             |  |  | SHEET NO.<br>1 OF 2 |  |
|                                                                                  |                                        |             |                               | 1 PLACE                                                    | ±--- | ±---                       | ANGULAR ± 2 °         |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      | SIZE<br>A2                 |                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               |                                                            |      |                            |                       |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               |                                                            |      |                            |                       |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               |                                                            |      |                            |                       |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |
|                                                                                  |                                        |             |                               |                                                            |      |                            |                       |                                                                                                                               |                                                                                  |                                                                             |  |  |                     |  |



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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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