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Part Number:

0850033419

Status:

Active

Overview:

[din\\_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 96 Circuits, without Mounting Clips, No Flux Proof

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

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                            |
| CSA                            | LR19980                                                                                                                                                    |
| UL                             | E29179                                                                                                                                                     |
| General                        |                                                                                                                                                            |
| Product Family                 | Backplane Connectors                                                                                                                                       |
| Series                         | 85003                                                                                                                                                      |
| Application                    | Backplane                                                                                                                                                  |
| Comments                       | No Mounting Clips. No Flux Proof. 5.4mm(.213") First-Mate-Last- Break Contacts. 4.8mm(.189") Normal Contacts                                               |
| Component Type                 | PCB Header                                                                                                                                                 |
| Overview                       | <a href="#">din_41612</a>                                                                                                                                  |
| Product Name                   | IEC 603-2/DIN 41612                                                                                                                                        |
| Style                          | C                                                                                                                                                          |
| Physical                       |                                                                                                                                                            |
| Circuits (Loaded)              | 96                                                                                                                                                         |
| Circuits (maximum)             | 96                                                                                                                                                         |
| Circuits Detail                | Standard Contacts at: A:a2,a3,a5-a30; B:b2,b3,b5-b30; C:c2,c3,c5-c30. First-Mate-Last-Break Contacts at: X:c1,c4,c31,c32; Y:b1,b4,b31,b32; Z:a1,a4,a31,a32 |
| Color - Resin                  | Gray                                                                                                                                                       |
| 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               | Polyester                                                                                                                                                  |
| 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                 | Carton                                                                                                                                                     |
| Pitch - Mating Interface (in)  | 0.100 In                                                                                                                                                   |
| Pitch - Mating Interface (mm)  | 2.54 mm                                                                                                                                                    |

EU RoHS

China RoHS

Compliance Status

Not Reviewed

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.

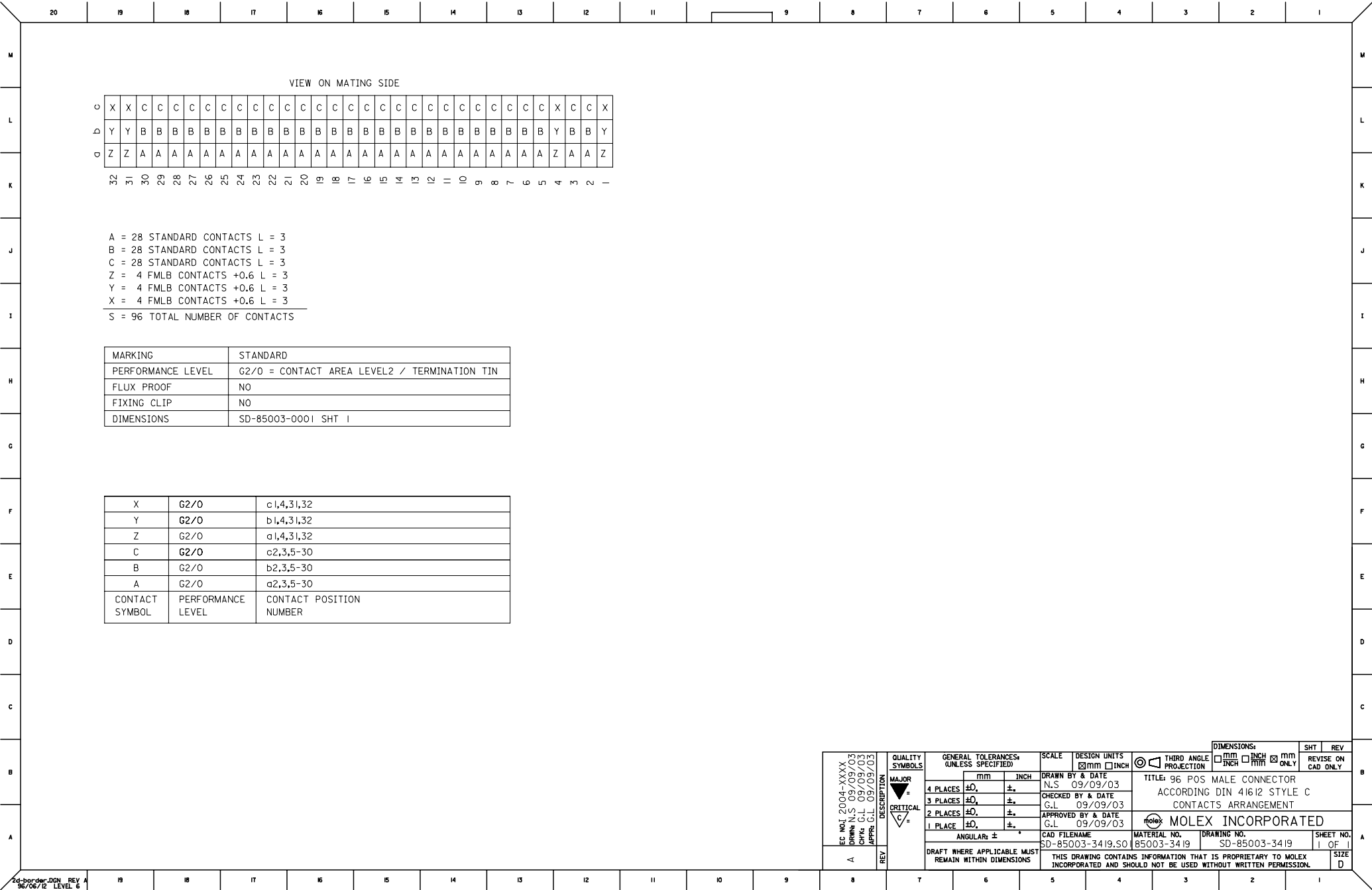
Search Parts in this Series

85003Series

|                                    |                 |
|------------------------------------|-----------------|
| Pitch - Term. Interface (in)       | 0.100 In        |
| Pitch - Term. Interface (mm)       | 2.54 mm         |
| Plating min: Mating (µin)          | 24              |
| Plating min: Mating (µm)           | 0.60            |
| Plating min: Termination (µin)     | 98              |
| Plating min: Termination (µm)      | 2.5             |
| Polarized to PCB                   | Yes             |
| Stackable                          | No              |
| Surface Mount Compatible (SMC)     | No              |
| Temperature Range - Operating      | -55°C to +125°C |
| Termination Interface: Style       | Through Hole    |
| <b>Electrical</b>                  |                 |
| Current - Maximum per Contact      | 1A              |
| Data Rate                          | 622.0 Mbps      |
| Voltage - Maximum                  | 250V AC (RMS)   |
| <b>Material Info</b>               |                 |
| <b>Reference - Drawing Numbers</b> |                 |
| Product Specification              | PS-85003-0001   |
| Sales Drawing                      | SD-85003-3419   |

This document was generated on 05/17/2010

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A = 28 STANDARD CONTACTS L = 3  
B = 28 STANDARD CONTACTS L = 3  
C = 28 STANDARD CONTACTS L = 3  
Z = 4 FMLB CONTACTS +0.6 L = 3  
Y = 4 FMLB CONTACTS +0.6 L = 3  
X = 4 FMLB CONTACTS +0.6 L = 3  
S = 96 TOTAL NUMBER OF CONTACTS

|                   |                                              |
|-------------------|----------------------------------------------|
| MARKING           | STANDARD                                     |
| PERFORMANCE LEVEL | G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN |
| FLUX PROOF        | NO                                           |
| FIXING CLIP       | NO                                           |
| DIMENSIONS        | SD-85003-0001 SHT 1                          |

|                |                   |                         |
|----------------|-------------------|-------------------------|
| X              | G2/O              | c1,4,31,32              |
| Y              | G2/O              | b1,4,31,32              |
| Z              | G2/O              | a1,4,31,32              |
| C              | G2/O              | c2,3,5-30               |
| B              | G2/O              | b2,3,5-30               |
| A              | G2/O              | a2,3,5-30               |
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

|                                                                                         |     |                                           |                                                      |           |           |                                                                                                                                |                                                                                                               |                                                                                                          |                                             |                              |                     |     |
|-----------------------------------------------------------------------------------------|-----|-------------------------------------------|------------------------------------------------------|-----------|-----------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|---------------------|-----|
| EC NO: 2004-XXXX<br>DRAWN: N.S. 09/09/03<br>CHK'd: G.L. 09/09/03<br>APPR: G.L. 09/09/03 |     | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL<br>V | GENERAL TOLERANCES*<br>(UNLESS SPECIFIED)            |           | SCALE     | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH                                           |  THIRD ANGLE PROJECTION  | DIMENSIONS:                                                                                              |                                             |                              | SHT                 | REV |
|                                                                                         |     |                                           |                                                      | mm        | INCH      |                                                                                                                                |                                                                                                               | <input type="checkbox"/> mm <input type="checkbox"/> INCH                                                | <input checked="" type="checkbox"/> mm ONLY | REVISE ON CAD ONLY           |                     |     |
|                                                                                         |     |                                           | 4 PLACES                                             | $\pm 0.1$ | $\pm 0.1$ |                                                                                                                                |                                                                                                               |                                                                                                          |                                             |                              |                     |     |
|                                                                                         |     |                                           | 3 PLACES                                             | $\pm 0.1$ | $\pm 0.1$ |                                                                                                                                |                                                                                                               |                                                                                                          |                                             |                              |                     |     |
| A                                                                                       | REV | DESCRIPTION                               | 2 PLACES                                             | $\pm 0.1$ | $\pm 0.1$ |                                                                                                                                | DRAWN BY & DATE<br>N.S. 09/09/03<br>CHECKED BY & DATE<br>G.L. 09/09/03<br>APPROVED BY & DATE<br>G.L. 09/09/03 | TITLE: 96 POS MALE CONNECTOR<br>ACCORDING DIN 41612 STYLE C<br>CONTACTS ARRANGEMENT                      |                                             |                              |                     |     |
|                                                                                         |     |                                           | 1 PLACE                                              | $\pm 0.1$ | $\pm 0.1$ |                                                                                                                                |                                                                                                               |  MOLEX INCORPORATED |                                             |                              |                     |     |
|                                                                                         |     |                                           | ANGULAR $\pm$                                        |           | *         |                                                                                                                                |                                                                                                               |                                                                                                          |                                             |                              |                     |     |
|                                                                                         |     |                                           | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |           |           | CAD FILENAME<br>SD-85003-3419.S01                                                                                              |                                                                                                               |                                                                                                          | MATERIAL NO.<br>85003-3419                  | DRAWING NO.<br>SD-85003-3419 | SHEET NO.<br>1 OF 1 |     |
|                                                                                         |     |                                           |                                                      |           |           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                                               |                                                                                                          |                                             |                              | SIZE                |     |

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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