

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0850033471](#)
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, Lead free

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Backplane Connectors
 Series [85003](#)
 Application Backplane
 Comments No Mounting Clips. No Flux Proof. 4.2mm(.165") Last-Mate-First-BreakContacts. 5.4mm(.213") First-Mate-Last-Break Contacts. 4.8mm(.189") Normal Contacts
 Component Type PCB Header
 Overview [din_41612](#)
 Product Name IEC 603-2/DIN 41612
 Style C

Physical

Circuits (Loaded) 96
 Circuits (maximum) 96
 Circuits Detail Standard Contacts at: A:a31,a32; B:b31,b32; C:c31,c32. Last-Mate- First-Break Contacts at: D:a2,a3,a5-a30; E:b2,b3,b5-b30; F:c2,c3,c5-30; . First-Mate-Last-Beak Contacts at: X:c1,c4; Y:b1,b4; Z:a1,a4
 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
ELV and RoHS
Compliant
REACH SVHC
 Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email 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 (μ in) | 24 |
| Plating min: Mating (μ m) | 0.60 |
| Plating min: Termination (μ in) | 98 |
| Plating min: Termination (μ m) | 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 |

Electrical

| | |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1A |
| Data Rate | 622.0 Mbps |
| Voltage - Maximum | 250V AC (RMS) |

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|---------------|
| Packaging Specification | PK-85003-001 |
| Sales Drawing | SD-85003-3471 |

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
| ○ | C | C | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | X | | | | | |
| △ | B | B | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | Y | | | | | |
| ○ | A | A | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | Z | | | | | |
| | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

Z = 2 FMLB CONTACTS +0.6 L = 3
 Y = 2 FMLB CONTACTS +0.6 L = 3
 X = 2 FMLB CONTACTS +0.6 L = 3
 F = 28 LMFB CONTACTS -0.6 L = 3
 E = 28 LMFB CONTACTS -0.6 L = 3
 D = 28 LMFB CONTACTS -0.6 L = 3
 C = 2 STANDARD CONTACTS L = 3
 B = 2 STANDARD CONTACTS L = 3
 A = 2 STANDARD CONTACTS L = 3
 S = 96 TOTAL NUMBER OF CONTACTS

| MARKING | STANDARD |
|-------------------|---|
| PERFORMANCE LEVEL | G2/0 = CONTACT AREA LEVEL 2 / TERMINATION TIN |
| FLUX PROOF | NO |
| FIXING CLIP | NO |
| DIMENSIONS | SD-85003-0001 SHT 1 |

| | | |
|----------------|-------------------|-------------------------|
| Z | G2/0 | a1,4 |
| Y | G2/0 | b1,4 |
| X | G2/0 | c1,4 |
| F | G2/0 | c2,3,5-30 |
| E | G2/0 | b2,3,5-30 |
| D | G2/0 | a2,3,5-30 |
| C | G2/0 | c31,32 |
| B | G2/0 | b31,32 |
| A | G2/0 | a31,32 |
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

| | | | | | | | | |
|---|---|---|--|---|---|--|--|---|
| EC NO. I 2004-XXXX DRAWN N.S. 09/09/03 CHK'd G.L. 09/09/03 APPR. G.L. 09/09/03 | QUALITY SYMBOLS MAJOR CRITICAL | GENERAL TOLERANCES: (UNLESS SPECIFIED) | SCALE <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH | DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH | DIMENSIONS: <input type="checkbox"/> INCH <input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH ONLY | THIRD ANGLE PROJECTION <input type="checkbox"/> FIRST ANGLE PROJECTION | SHEET NO. 1 OF 1 REVISE ON CAD ONLY | |
| | DRAWN BY & DATE S.S. 26/06/01 | CHECKED BY & DATE G.L. 26/06/01 | APPROVED BY & DATE G.L. 26/06/01 | CAD FILENAME SD-85003-3471.S01 | | MATERIAL NO. 85003-3471 | DRAWING NO. SD-85003-3471 | TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT |
| | 4 PLACES $\pm 0.$ $\pm.$ 3 PLACES $\pm 0.$ $\pm.$ 2 PLACES $\pm 0.$ $\pm.$ 1 PLACE $\pm 0.$ $\pm.$ | | ANGULAR: \pm | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MOLEX INCORPORATED | | | | | |

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1