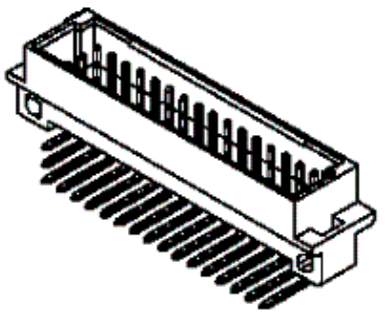
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0850032385
**Status:** Active
**Overview:** din_41612
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Style C, Right Angle , Through Hole, 0.6µm (24µ") Selective Gold (Au), 64 Circuits, First-Mate-Last-Break Option Available



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-85003-0001 (PDF)
RoHS Certificate of Compliance (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) | 64 |
| Circuits (maximum) | 96 |
| Durability (mating cycles max) | 400 |
| 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 | 2.5A |
| Data Rate | 622.0 Mbps |
| Voltage - Maximum | 250V AC (RMS) |

**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
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

## Material Info

### Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-85003-0001 |
| Sales Drawing | SD-85003-2385 |

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VIEW ON MATING SIDE

| | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| c | X | C | X | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| b | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | Z | A | Z | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |

A = 30 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

S = 64 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 |

| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |
|---|---|---|
| X | G2/0 | c30, 32 |
| Z | G2/0 | a30, 32 |
| C | G2/0 | c1-29, 31 |
| A | G2/0 | a1-29, 31 |

EC NO: 2004-XXXX
DRWN: N.S. 09/09/03
CHK: G.L. 09/09/03
APPR: G.L. 09/09/03

REV: A
DESCRIPTION:

QUALITY SYMBOLS
MAJOR
CRITICAL (C)

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ±0. | ±. |
| 3 PLACES | ±0. | ±. |
| 2 PLACES | ±0. | ±. |
| 1 PLACE | ±0. | ±. |
| ANGULAR: ± ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: N.S. 09/09/03
CHECKED BY & DATE: G.L. 09/09/03
APPROVED BY & DATE: G.L. 09/09/03

TITLE: 96 POS MALE CONNECTOR
ACCORDING DIN 41612 STYLE C
CONTACTS ARRANGEMENT

MOLEX INCORPORATED

CAD FILENAME: SD-85003-2385.SO
MATERIAL NO.: 85003-2385
DRAWING NO.: SD-85003-2385
SHEET NO.: 1 OF 1
SIZE: D

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