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Part Number: [0850031457](#)
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), First-Mate-Last-Break 6 Pins, 64 Circuits, Lead free

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 [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
 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)

Material Info



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](#)

Mates With

[85042](#) DIN 41612 Receptacle. [85052](#) DIN
 41612 Header

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-85003-001

PS-85003-0001

SD-85003-1457

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

VIEW ON MATING SIDE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
| Q | 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 | X | X | X | | | | |
| Q | 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 | Z | Z | 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 |

A = 29 STANDARD CONTACTS L = 3
 C = 29 STANDARD CONTACTS L = 3
 Z = 3 FMLB CONTACTS +0,6 L = 3
 X = 3 FMLB CONTACTS +0,6 L = 3
 S = 64 TOTAL NUMBER OF CONTACTS

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

| | | |
|----------------|-------------------|-------------------------|
| X | G2/O | c1,2,3 |
| Z | G2/O | a1,2,3 |
| C | G2/O | c4-32 |
| A | G2/O | a4-32 |
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

| | | | | | | | | | |
|---|-----------------|--|--|---|---|----------------------------------|-----|--------------------|--|
| EC NO.1 2004-XXXX DRAWN N.S. 09/09/03 CHK'd G.L. 09/09/03 APPR G.L. 09/09/03 | QUALITY SYMBOLS | GENERAL TOLERANCES: (UNLESS SPECIFIED) | SCALE | DESIGN UNITS | DIMENSIONS: | | SHT | REV | |
| | MAJOR | | | <input type="checkbox"/> MM <input type="checkbox"/> INCH | <input type="checkbox"/> MM <input type="checkbox"/> INCH | <input type="checkbox"/> MM ONLY | | | |
| | CRITICAL | | | | | | | | |
| | | | | | | | | | |
| C | DESCRIPTION | 4 PLACES ±0. ± | DRAWN BY & DATE | THIRD ANGLE PROJECTION | | TITLE: 96 POS MALE CONNECTOR | | REVISE ON CAD ONLY | |
| | | 3 PLACES ±0. ± | N.S. 08/03/01 | | | ACCORDING DIN 41612 STYLE C | | | |
| | | 2 PLACES ±0. ± | CHECKED BY & DATE | | | CONTACTS ARRANGEMENT | | | |
| | | 1 PLACE ±0. ± | G.L. 08/03/01 | | | MOLEX INCORPORATED | | | |
| | | ANGULAR ± | APPROVED BY & DATE | | | | | | |
| | | | G.L. 08/03/01 | | | | | | |
| | | | CAD FILENAME | MATERIAL NO. | DRAWING NO. | SHEET NO. | | SIZE | |
| | | | SD-85003-1457.S0 | 85003-1457 | SD-85003-1457 | 1 OF 1 | | D | |
| | | | 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. | | | | | | |

24-border.DGN REV 4 96/06/12 LEVEL 6 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1