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**Part Number:** 0850133225
**Status:** Active
**Overview:** din_41612
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R Reverse, 1µm (40µ") Selective Gold (Au), 64 Circuits, Lead free

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-85013-0001 (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | Backplane Connectors |
| Series | 85013 |
| Application | Daughtercard |
| Component Type | PCB Header |
| Overview | din_41612 |
| Product Name | IEC 603-2/DIN 41612 |
| Style | R |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 64 |
| Circuits (maximum) | 96 |
| Circuits Detail | Rows A & C |
| 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 | 32 |
| Number of Pairs | Open Pin Field |
| Number of Rows | 3 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.180 In |
| PC Tail Length (mm) | 4.50 mm |
| PCB Locator | No |
| PCB Retention | Yes |
| 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 |
| Plating min: Mating (µin) | 39 |
| Plating min: Mating (µm) | 1 |
| Polarized to PCB | No |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55°C to +125°C |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Data Rate | 622.0 Mbps |
| Real Signals (per 25mm) | 30 |

**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**
85013Series

**Mates With**
85042 , 85052 Backplane Header

| | |
|---|---|
| Shield Type | N/A |
| Shielded | No |
| Voltage - Maximum | 1000V (RMS) |

## Solder Process Data

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 10 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Process Temperature max. C | 260 |

## Material Info

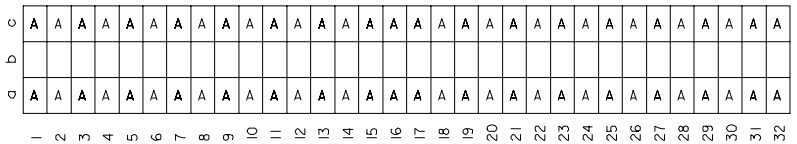
## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-85013-0001 |
| Sales Drawing | SD-85013-3225, SDA-85013-0001, SDA-85013-3225 |

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VIEW ON MATING SIDE




A = 64 STANDARD CONTACTS L = 4.5

| | |
|---|---|
| MARKING | STANDARD |
| PERFORMANCE LEVEL | G3/0 = CONTACT AREA PERFORM. LEVEL 3 / TERMINATION TIN |
| FLUX PROOF | NO |
| FIXING CLIP | NO |
| DIMENSIONS | SD-85013-0001 SHT 1 |

| A | G3/0 | a1-32 c1-32 |
|---|---|---|
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

EC NO: 1 2004-XXXX
DRWN: N.S 31/03/04
CHK: G.L. 31/03/04
APPR: G.L. 31/03/04
DESCRIPTION
B
REV

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

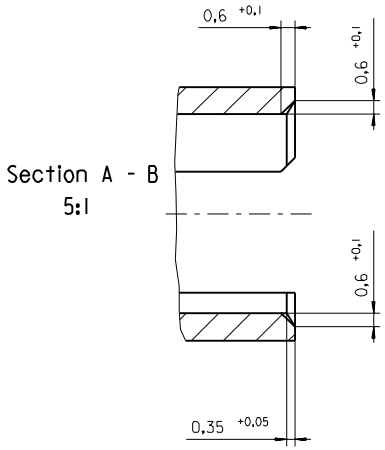
DRAWN BY & DATE N.S. 11/02/02
CHECKED BY & DATE G.L. 11/02/02
APPROVED BY & DATE G.L. 11/02/02
CAD FILENAME S850133225.S01

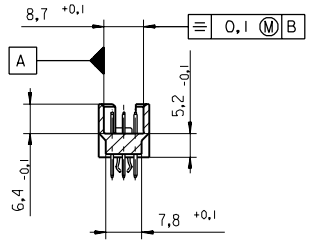
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ACCORDING DIN 41612 STYLE R
CONTACTS ARRANGEMENT

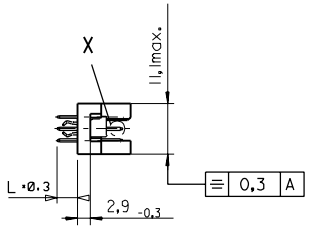
molex MOLEX INCORPORATED

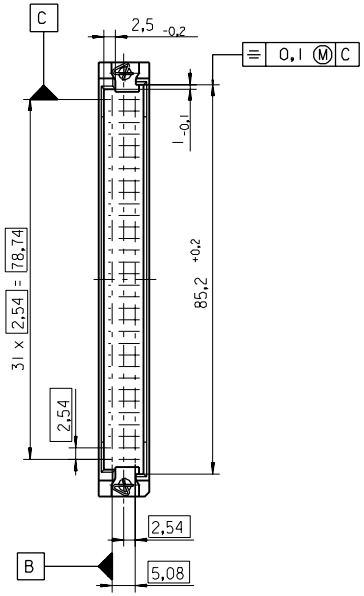
MATERIAL NO. 85013-3225
DRAWING NO. SD-85013-3225
SHEET NO. 1 OF 1
SIZE D

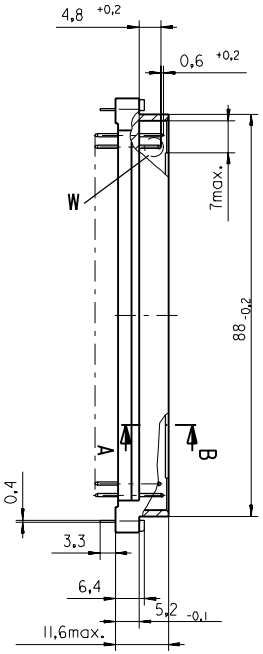
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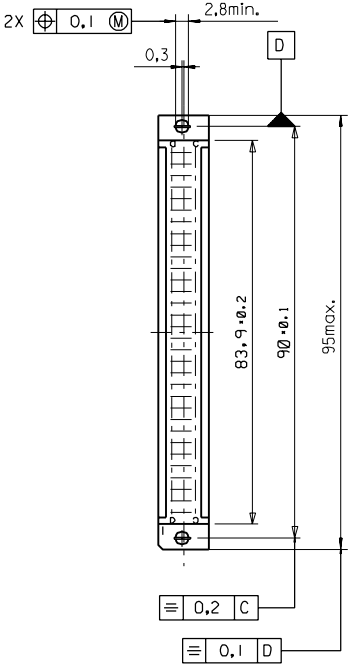


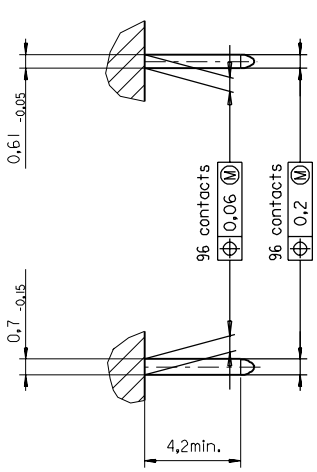




PART NO.
DWG. NO.

FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM | SH. | REV.

| LTR | REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST |
|---|---|
| A | first release see ECN No. 1887 |

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± . | ± |
| 2 PLACE | ± . | ± |
| 1 PLACE | ± . | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ MM ☐ IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY

| | | SIGN |
|---|---|---|
| DRWG BY | Ca | |
| CHK'D BY | KN | |
| APP'D BY | | |
| SCALE | 1:1 | |

CADCAM PROJECT NAME 85013000 s11

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TITLE
# 96 pos. Male connector acc. DIN 41612 Style R Dimensions

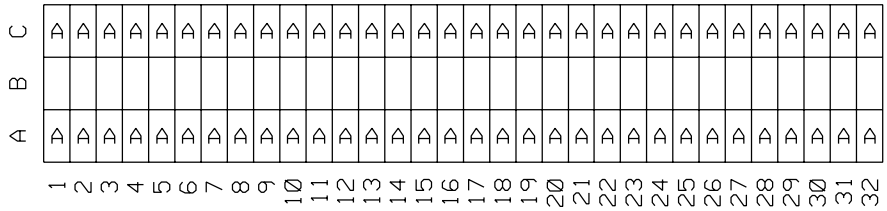
molex MOLEX EUROPE

| SHEET NO. | DATE |
|---|---|
| 1 OF | 95/06/07 |

| PART NO. | DWG NO. | SIZE |
|---|---|---|
| | SDA-85013-0001 | B |

7132-1283

VIEW ON MATING SIDE




A = 64 STANDARD CONTACTS L=4,5

| | |
|---|---|
| Marking | Standard |
| Performance level | G3/0 = Contact area perform. level 3 / Termination tin |
| Flux proof | no |
| Fixing clip | no |
| Dimensions | SDA-85013-0001 sht.1 |
| Technical Data | PS-85013-0001 |

| | | |
|---|---|---|
| | | |
| | | |
| A | G3/0 | a1-32 c1-32 |
| Contact symbol | Perform. level | Contact position number |

| | | | | | |
|---|---|---|---|---|---|
| first release ECN No. MG1998-2626 | REVISIONS | FOR PREVIOUS REVISIONS SEE MRI LIST | UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2° | DRWG BY Ca | SIGN |
| | | | INCH / METRIC: 3 PLACE ± . / ±; 2 PLACE ± . / ±; 1 PLACE ± . / ± | CHK'D BY KN | SIGN |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | APP'D BY JB | SIGN |
| | | | DESIGN DIMENSION ☐ MM ☐ IN. | SCALE | |
| A | LTR | | EQUIVALENT DIMENSION ☐ MM ☐ IN. | | |
| | | | IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY | | |

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8501332 s21

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TITLE: 96 pos. Male connector acc. DIN 41612 style R contacts arrangement

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SHEET NO. 1 OF 1

DATE 97/10/24

PART NO. 85013-3225

DWG NO. SDA-85013-3225

SIZE A