

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0850130438](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Vertical, Style R Reverse, 1µm (40µ")  
Selective Gold (Au), 96 Circuits, Lead free

**Documents:**

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

**Agency Certification**

CSA LR19980  
UL E29179

**General**

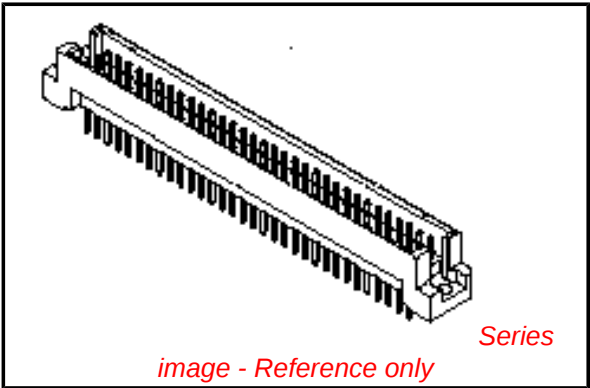
Product Family Backplane Connectors  
Series [85013](#)  
Application Backplane  
Component Type PCB Header  
Overview [din\\_41612](#)  
Product Name IEC 603-2/DIN 41612  
Style R

**Physical**

Circuits (Loaded) 96  
Circuits (maximum) 96  
Circuits Detail Rows A, B, & 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) 0.177 In  
PC Tail Length (mm) 4.50 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  
Plating min: Mating (µin) 39  
Plating min: Mating (µm) 1  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -55°C to +125°C

**Electrical**

Current - Maximum per Contact 1A  
Data Rate 622.0 Mbps  
Voltage - Maximum 1000V (RMS)



**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](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**

[85013Series](#)

**Mates With**

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

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-85013-0001

Sales Drawing

SD-85013-0438, SDA-85013-0001, SDA-85013-0438

This document was generated on 05/17/2010

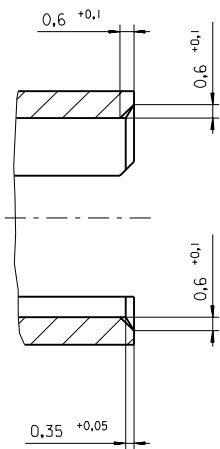
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A = 96 STANDARD CONTACTS L = 4.5

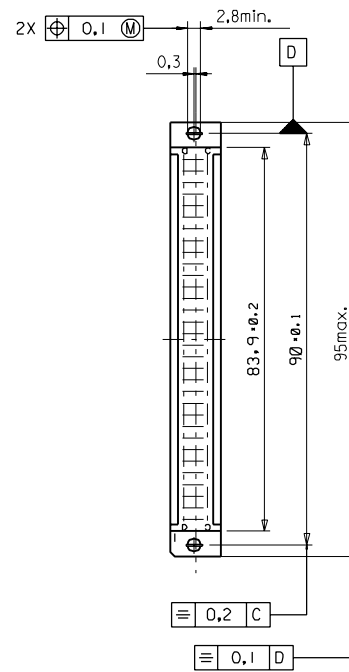
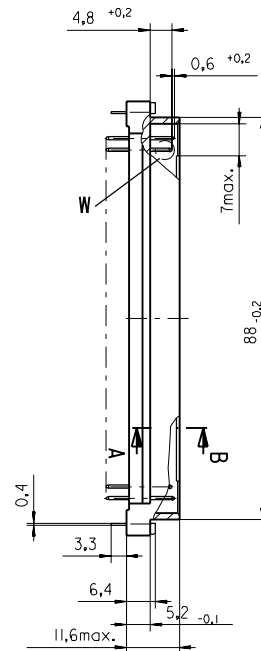
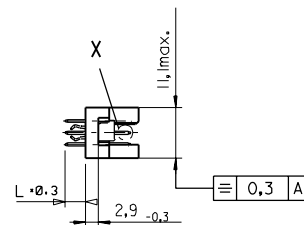
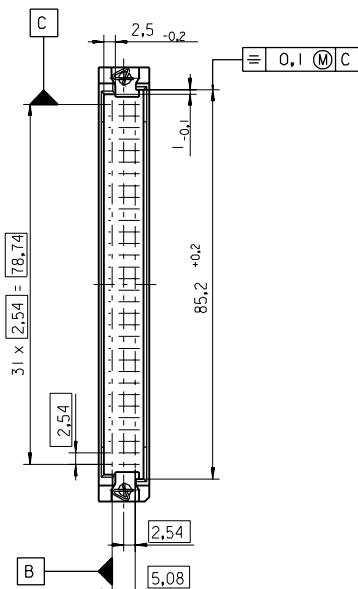
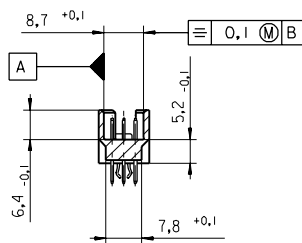
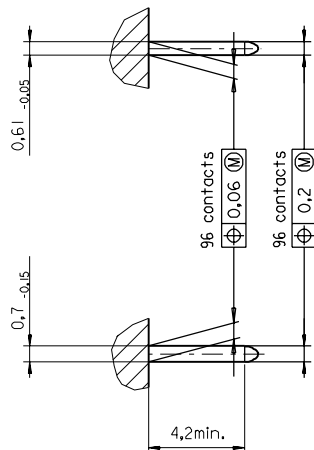
|                |                   |                         |
|----------------|-------------------|-------------------------|
| A              | GI/O              | a1-32 b1-32 c1-32       |
| CONTACT SYMBOL | PERFORMANCE LEVEL | CONTACT POSITION NUMBER |

2d-border.DGN REV A  
96/06/12 LEVEL 6

Section A - B  
5:1



View X  
5:1



FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

SH. REV.

UNLESS OTHERWISE SPECIFIED  
TOLERANCES: ANGULAR  $\pm 2^\circ$

|         | INCH    | METRIC |
|---------|---------|--------|
| 3 PLACE | $\pm .$ | $\pm$  |
| 2 PLACE | $\pm .$ | $\pm$  |
| 1 PLACE | $\pm .$ | $\pm$  |

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

DRWG  
BY

SIGN

Ca

CHK'D  
BY

SIGN

KN

APP'D  
BY

SIGN

SCALE

1:1

CAD/CAM PROJECT NAME

85013000  
611

TITLE

96 pos. Male connector

acc. DIN 41612 Style R

Dimensions

MOLEX EUROPE

PART NO.

SDA-85013-0001

SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO  
MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET NO. DATE

1 OF 95/06/07

SIZE

B

first release  
see ECN No. 1887

LTR REVISIONS

A

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]