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Part Number: [0850133122](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R Reverse, 1µm (40µ") Selective Gold (Au), 96 Circuits, Lead free

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

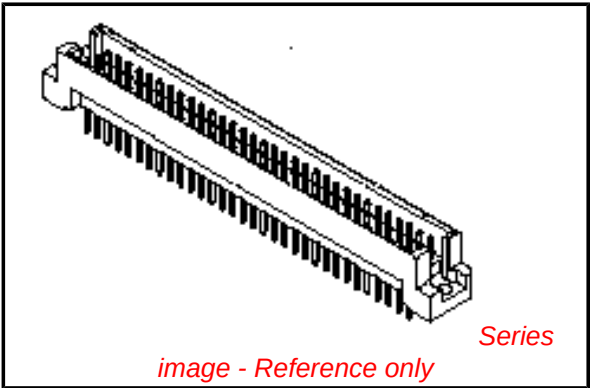
Product Family Backplane Connectors
Series [85013](#)
Application Daughtercard
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

Physical

Circuits (Loaded) 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) 0.110 In
PC Tail Length (mm) 2.90 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 1A
Data Rate 622.0 Mbps
Real Signals (per 25mm) 30



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

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

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

Material Info

Reference - Drawing Numbers

Sales Drawing SD-85013-3122, SDA-85013-0001, SDA-85013-3122

This document was generated on 05/17/2010

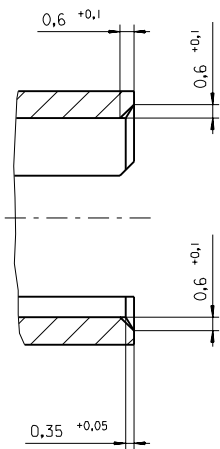
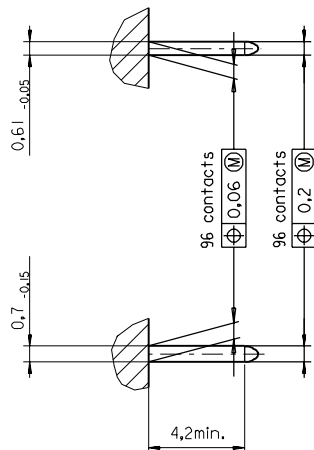
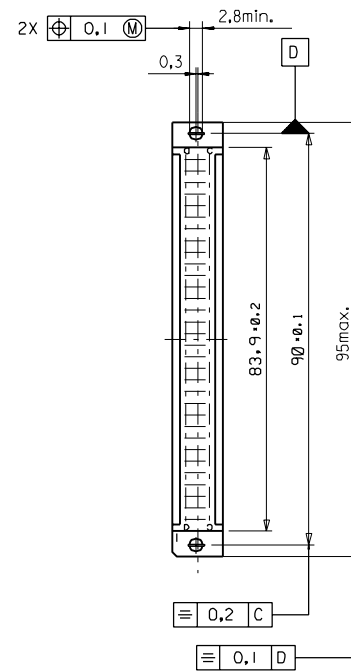
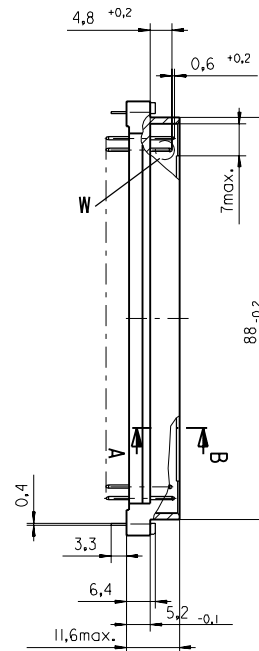
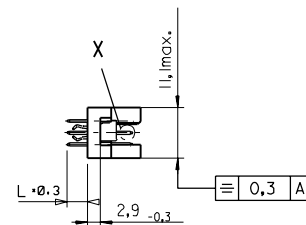
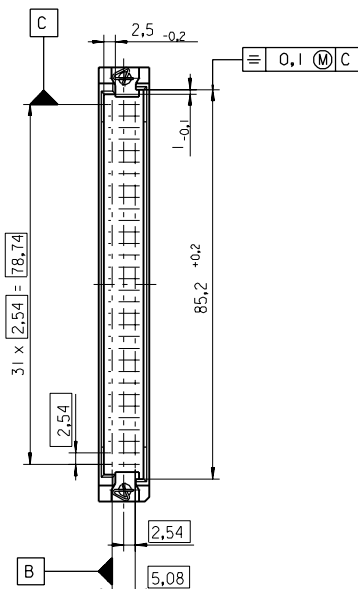
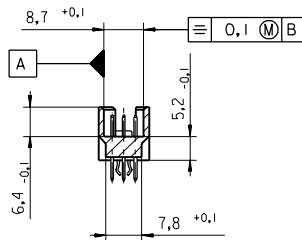
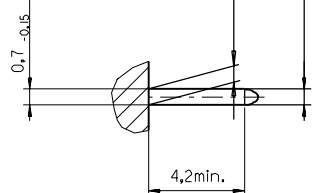
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A = 96 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA PERFORM. LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85013-0001 SHT 1

A	G2/0	a1-32	b1-32	c1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER		

EC No. 1.2004-XXXX DRWS G.S. 31/03/04 C.N.S. 31/03/04 APPR. G.S. 31/03/04		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES $\phi_{0.1}$</td> <td>$\pm$</td> <td></td> </tr> <tr> <td>3 PLACES $\phi_{0.1}$</td> <td>$\pm$</td> <td></td> </tr> <tr> <td>2 PLACES $\phi_{0.1}$</td> <td>$\pm$</td> <td></td> </tr> <tr> <td>1 PLACE $\phi_{0.1}$</td> <td>$\pm$</td> <td></td> </tr> </table>		mm	INCH	4 PLACES $\phi_{0.1}$	$\pm$		3 PLACES $\phi_{0.1}$	$\pm$		2 PLACES $\phi_{0.1}$	$\pm$		1 PLACE $\phi_{0.1}$	$\pm$		SCALE DRAWN BY & DATE N.S. 20/07/01 CHECKED BY & DATE G.L. 20/07/01 APPROVED BY & DATE G.L. 20/07/01	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ ONLY TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 4162 STYLE R CONTACTS ARRANGEMENT	SHIT REVISE ON CAD ONLY	REV.
	mm	INCH																						
4 PLACES $\phi_{0.1}$	$\pm$																							
3 PLACES $\phi_{0.1}$	$\pm$																							
2 PLACES $\phi_{0.1}$	$\pm$																							
1 PLACE $\phi_{0.1}$	$\pm$																							
EC No. 1.2004-XXXX DRWS G.S. 31/03/04 C.N.S. 31/03/04 APPR. G.S. 31/03/04	B	REV	ANGULAR $\pm$ °	CAD FILENAME S850133122.S01	MATERIAL NO. 85013-3122	DRAWING NO. SD-85013-3122	SHEET NO. 1 OF 1	SIZE 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.				SIZE D																

Section A - B
5:1View X
5:1View W
5:1

FIRST ANGLE PROJECTION

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 DIMENSIONSDESIGN DIMENSION ☒ MM
☐ IN.EQUIVALENT DIMENSION ☐ MM
☐ IN.IF TWO DIMENSIONS ARE SHOWN THE UPPER IS
THE DESIGN DIMENSION, LOWER IS SECONDARYDRWG
BY

Ca

CHK'D
BY

KN

APP'D
BY

SCALE

1:1

REVISE ONLY ON CAD SYSTEM

SH. REV.

CAD/CAM PROJECT NAME
85013000
611THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO
MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSIONTITLE
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.
SDA-85013-0001SIZE
Bfirst release
see ECN No. 1887

LTR REVISIONS

A

