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Part Number: [0850130414](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Vertical, Style R Reverse, 1µm (40 µ")
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 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) 0.524 In
PC Tail Length (mm) 13.30 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
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](#) Backplane Header, [85052](#) Backplane Header

Solder Process Data

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

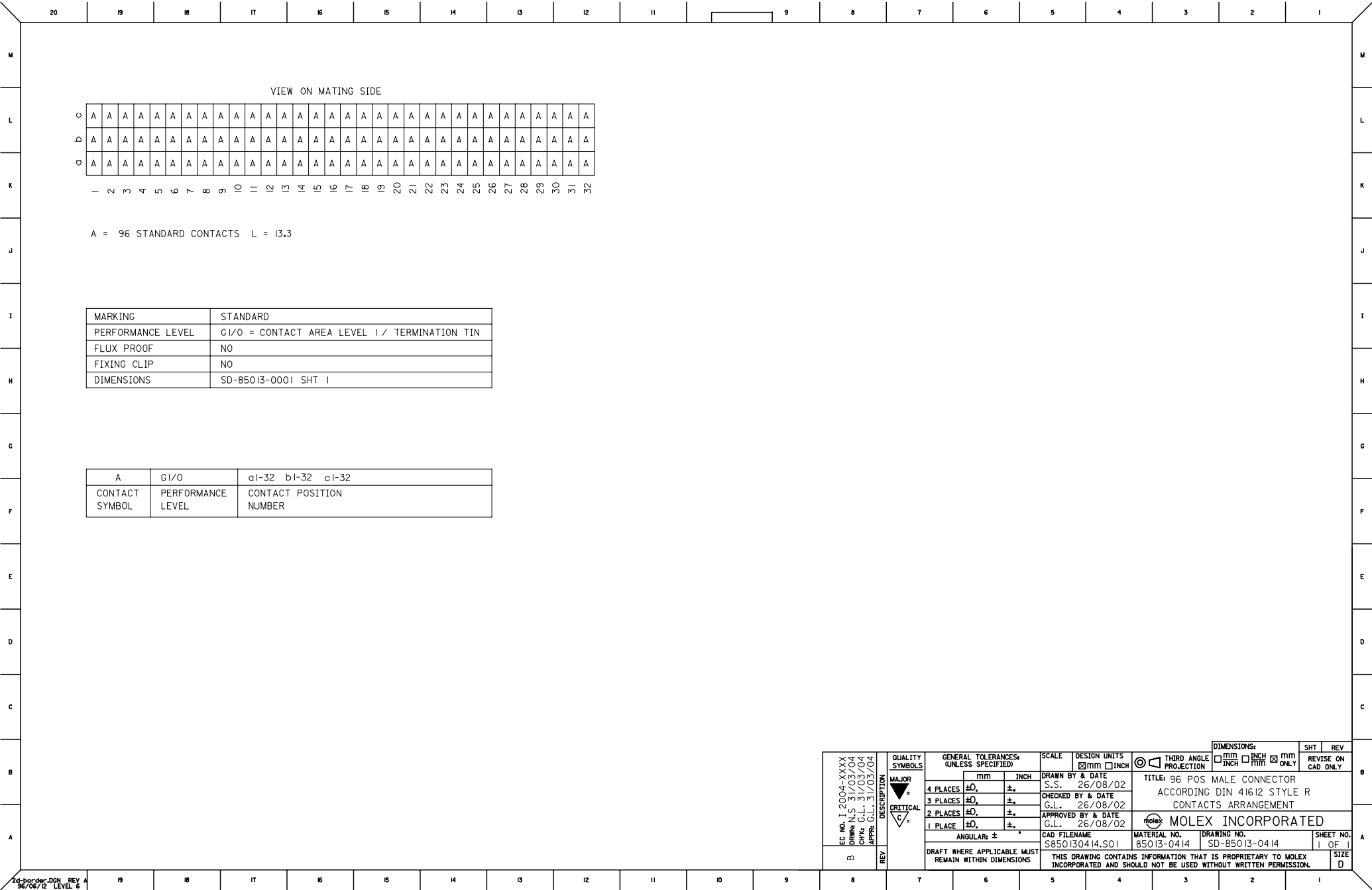
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-85013-0414, SDA-85013-0001, SDA-85013-0414
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This document was generated on 05/17/2010

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VIEW ON MATING SIDE

	c		b		a	
1	A	A	A	A	A	A
2	A	A	A	A	A	A
3	A	A	A	A	A	A
4	A	A	A	A	A	A
5	A	A	A	A	A	A
6	A	A	A	A	A	A
7	A	A	A	A	A	A
8	A	A	A	A	A	A
9	A	A	A	A	A	A
10	A	A	A	A	A	A
11	A	A	A	A	A	A
12	A	A	A	A	A	A
13	A	A	A	A	A	A
14	A	A	A	A	A	A
15	A	A	A	A	A	A
16	A	A	A	A	A	A
17	A	A	A	A	A	A
18	A	A	A	A	A	A
19	A	A	A	A	A	A
20	A	A	A	A	A	A
21	A	A	A	A	A	A
22	A	A	A	A	A	A
23	A	A	A	A	A	A
24	A	A	A	A	A	A
25	A	A	A	A	A	A
26	A	A	A	A	A	A
27	A	A	A	A	A	A
28	A	A	A	A	A	A
29	A	A	A	A	A	A
30	A	A	A	A	A	A
31	A	A	A	A	A	A
32	A	A	A	A	A	A

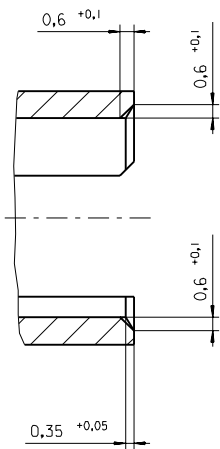
A = 96 STANDARD CONTACTS L = 13.3

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL 1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0001 SHT 1

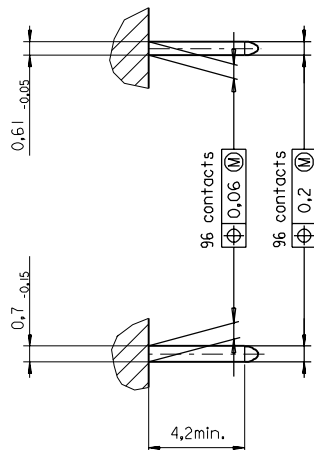
A	G1/O	a1-32 b1-32 c1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN NS 31/03/04 CHKD G.L. 31/03/04 APPR G.L. 31/03/04		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES* (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT	REV	
			☐ mm ☐ INCH	☐ mm ONLY	REVISE ON CAD ONLY								
B	REV	DESCRIPTION	mm INCH		DRAWN BY & DATE S.S. 26/08/02		TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R CONTACTS ARRANGEMENT MOLEX INCORPORATED						
			4 PLACES $\pm 0. \pm .$		CHECKED BY & DATE G.L. 26/08/02								
			2 PLACES $\pm 0. \pm .$		APPROVED BY & DATE G.L. 26/08/02								
			1 PLACE $\pm 0. \pm .$		CAD FILENAME S850130414.S01		MATERIAL NO. 85013-0414		DRAWING NO. SD-85013-0414		SHEET NO. 1 OF 1		
			ANGULAR $\pm$		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							SIZE D	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

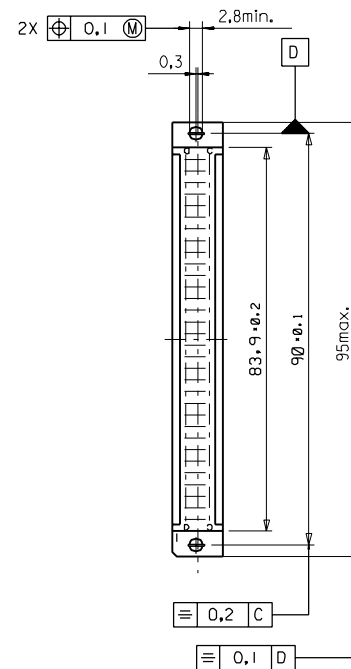
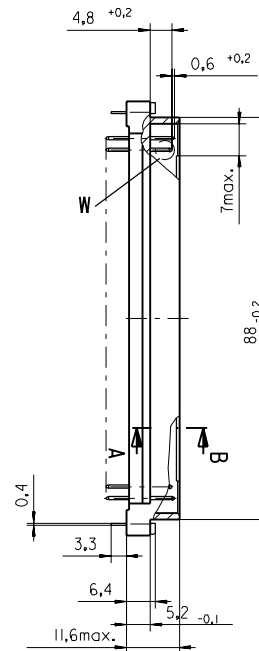
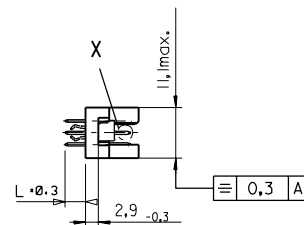
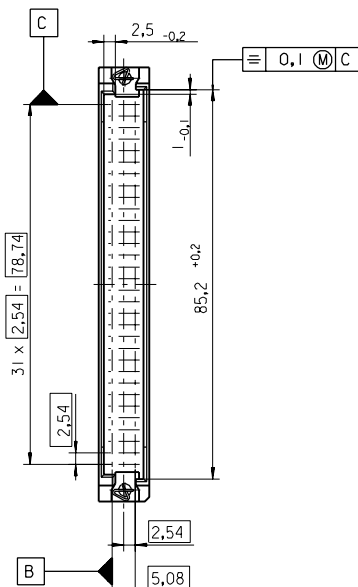
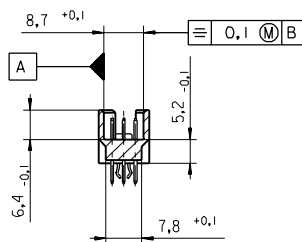
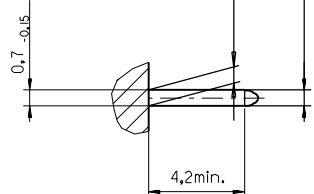
Section A - B
5:1



View X
5:1



View W
5:1



FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

SH. REV.

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

INCH METRIC

3 PLACE $\pm$.

2 PLACE $\pm$.

1 PLACE $\pm$.

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ MM

EQUIVALENT DIMENSION ☐ 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

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TITLE

96 pos. Male connector

acc. DIN 41612 Style R

Dimensions

MOLEX EUROPE

SHEET NO. DATE

1 OF 95/06/07

PART NO. DWG NO.

SDA-85013-0001

SIZE

B

first release
see ECN No. 1887

REVISIONS

LTR

A

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