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Part Number:

0850131512

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R Reverse, 0.6µm (24µ") Selective Gold (Au), 96 Circuits, Flux Proof Option Available

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)	400
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)	24
Plating min: Mating (µm)	0.6
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

Use With

85089-1079 Press-in Tool

Solder Process Data

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

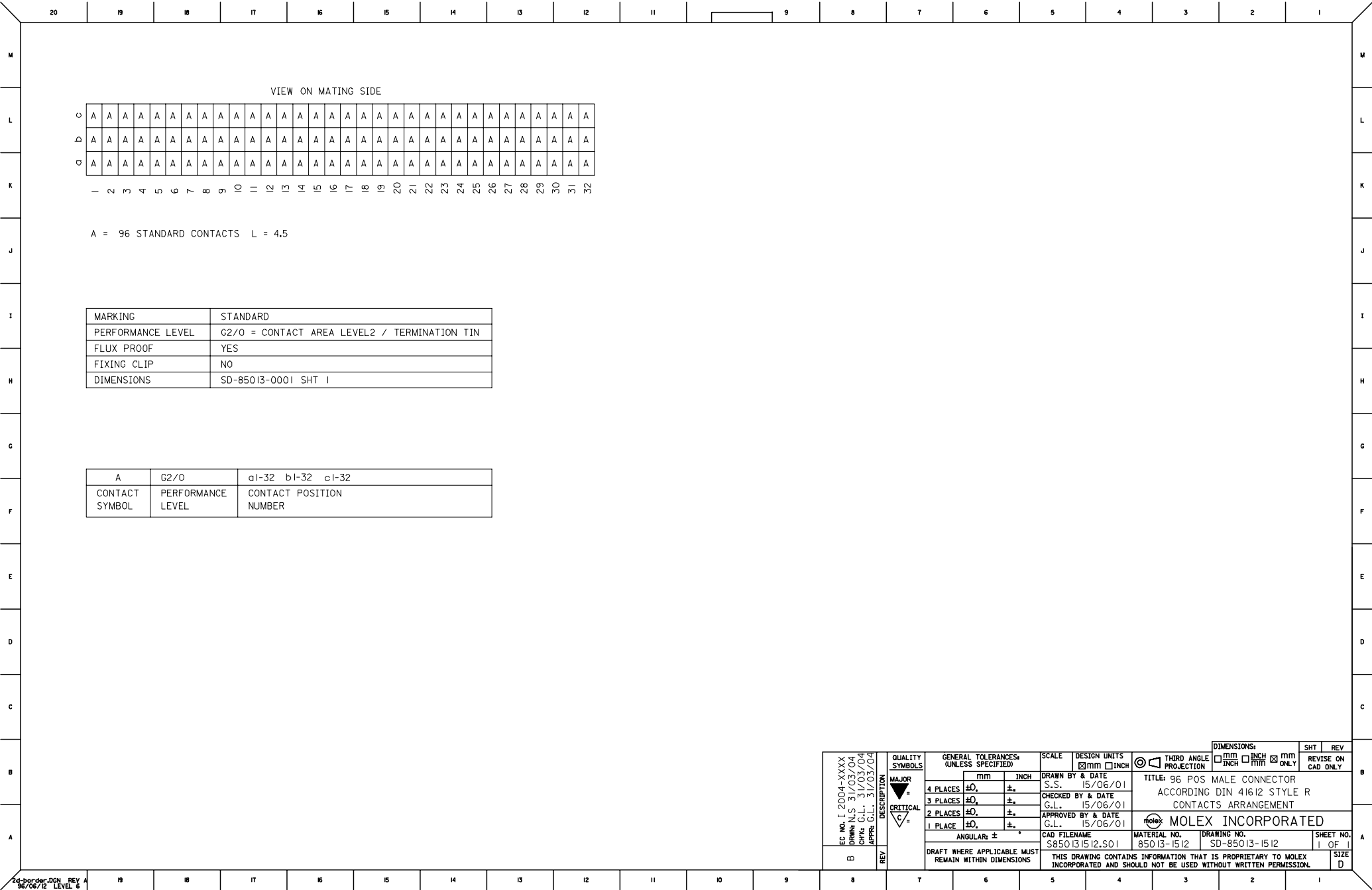
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-85013-1512, SDA-85013-0001, SDA-85013-1512
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This document was generated on 05/17/2010

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

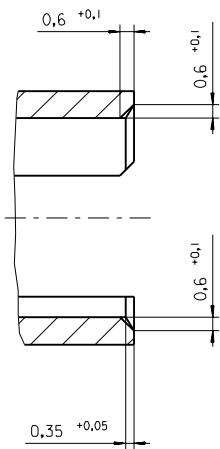
A = 96 STANDARD CONTACTS L = 4.5

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	YES
FIXING CLIP	NO
DIMENSIONS	SD-85013-0001 SHT 1

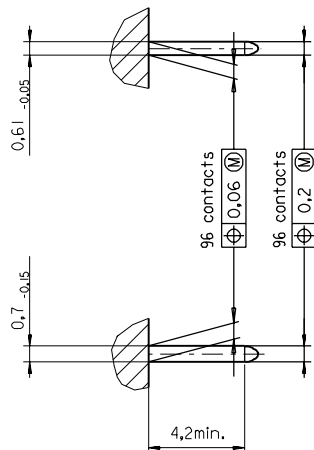
A	G2/0	a1-32 b1-32 c1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

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 ☒ mm ☐ INCH	THIRD ANGLE PROJECTION ☐ mm ☒ INCH	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
4 PLACES ±0. ±.			mm INCH		DRAWN BY & DATE S.S. 15/06/01	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R CONTACTS ARRANGEMENT		REVISE ON CAD ONLY			
3 PLACES ±0. ±.			mm INCH		CHECKED BY & DATE G.L. 15/06/01	MATERIAL NO. 85013-1512		DRAWING NO. SD-85013-1512			
2 PLACES ±0. ±.			mm INCH		APPROVED BY & DATE G.L. 15/06/01	CAD FILENAME S850131512.S01		SHEET NO. 1 OF 1			
1 PLACE ±0. ±.			ANGULAR ± *		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		

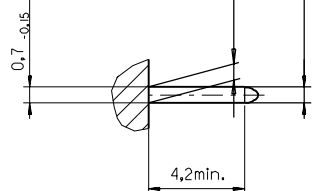
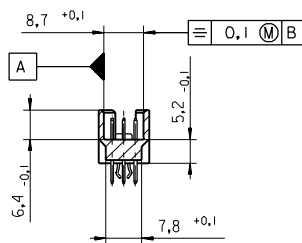
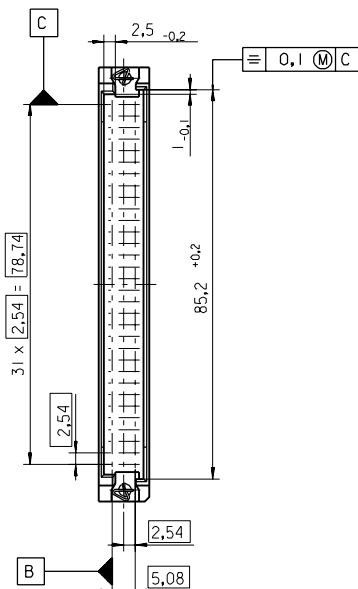
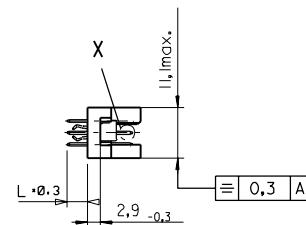
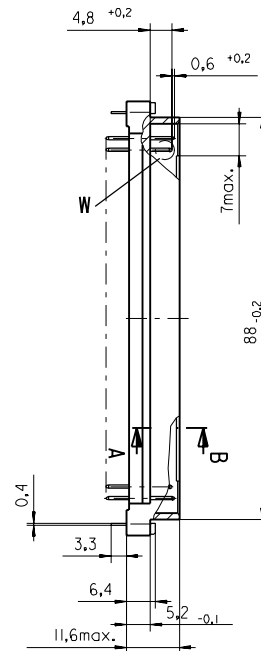
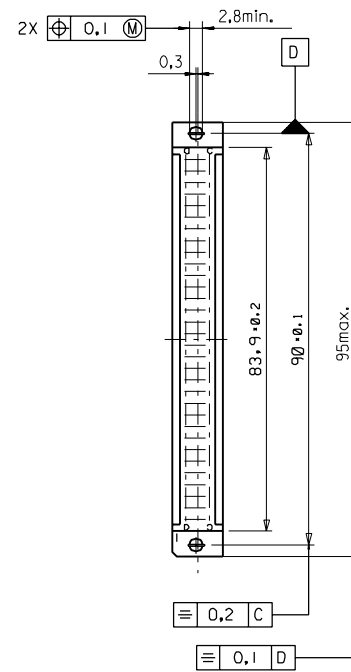
Section A - B
5:1



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 $\pm$. $\pm$

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

SHEET NO. DATE

1 OF 95/06/07

PART NO.

SDA-85013-0001

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SIZE

B

first release
see ECN No. 1887

REVISIONS

LTR

A

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