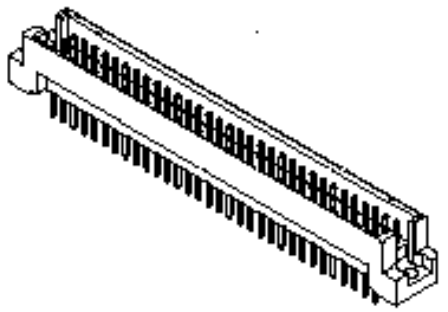
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0850130024
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, Lead free



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85013
Application	Backplane
Comments	No Mounting Clips. No Flux Proof
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)	0.524 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)	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

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 DIN 41612 Receptacle . 85052 DIN 41612 Header

Voltage - Maximum	1000V (RMS)

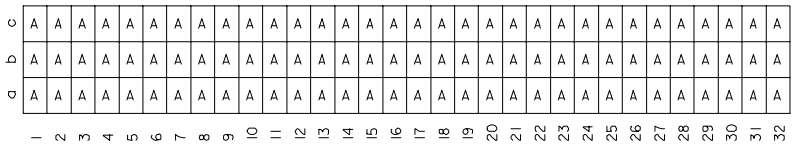
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-85013-0024, SDA-85013-0001, SDA-85013-0024

This document was generated on 05/17/2010
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VIEW ON MATING SIDE



A = 96 STANDARD CONTACTS L = 13.3

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
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
DRWN. S 31/03/04
CHK. G.L. 31/03/04
APPRG. 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

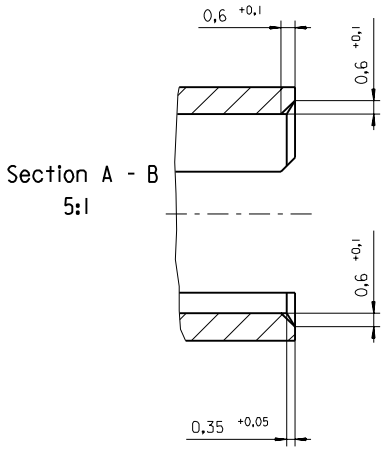
DRAWN BY & DATE S.S. 16/07/01
CHECKED BY & DATE G.L. 16/07/01
APPROVED BY & DATE G.L. 16/07/01

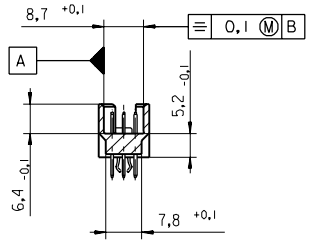
TITLE: 96 POS MALE CONNECTOR
ACCORDING DIN 41612 STYLE R
CONTACTS ARRANGEMENT

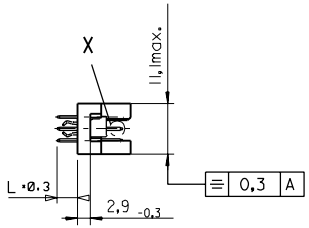
molex MOLEX INCORPORATED

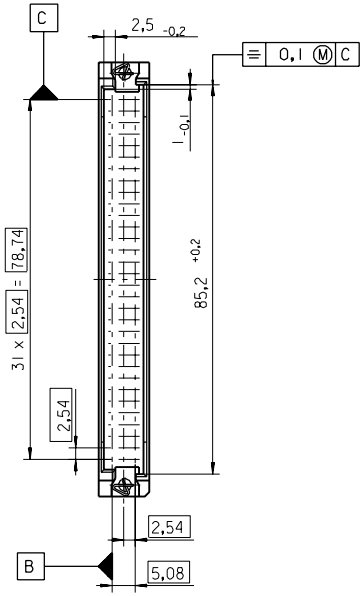
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MATERIAL NO. 85013-0024
DRAWING NO. SD-85013-0024
SHEET NO. 1 OF 1
SIZE D

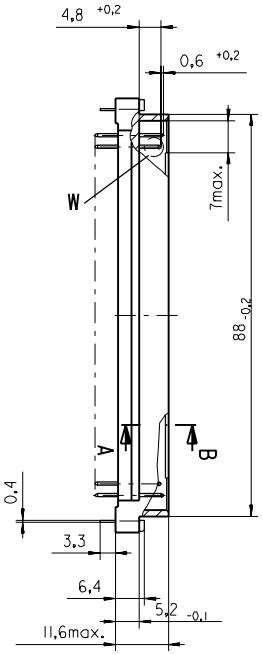
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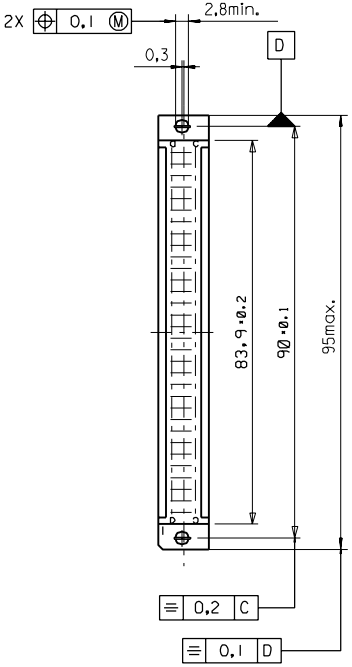


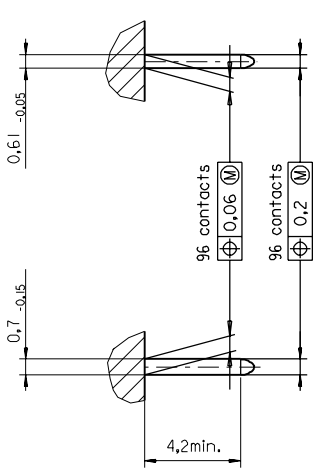












PART NO.
DWG. NO.

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

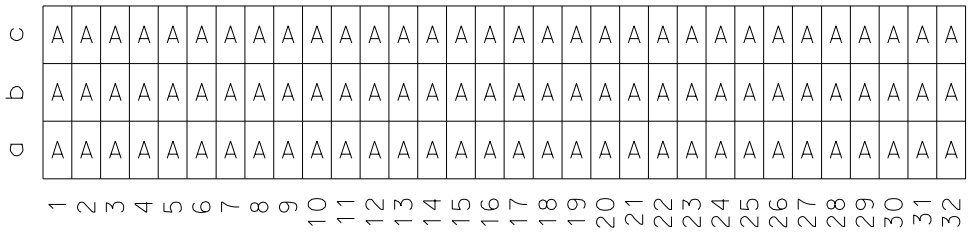
molex MOLEX EUROPE

SHEET NO.	DATE
1 OF	95/06/07

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

7132-1283

View on mating side



A = 96 standard contacts L=13,3

Marking	Standard
Performance level	G2/0 = Contact area perform. level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0001 sht.1
Technical Data	PS-85013-0001

A	G2/0	a1-32 b1-32 c1-32
Contact symbol	Perform. level	Contact position number

REVISE ONLY ON CAD SYSTEM | SH. | REV.

first release see ECN No. 1868

REVISIONS

LTR

A

FOR PREVIOUS REVISIONS SEE MRI LIST

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

DRWG BY	Ca	SIGN
CHK'D BY	KN	SIGN
APP'D BY		SIGN
SCALE		

CADCAM PROJECT NAME

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TITLE

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

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 95/06/07

PART NO. 85013-0024

DWG NO. SDA-85013-0024

SIZE A