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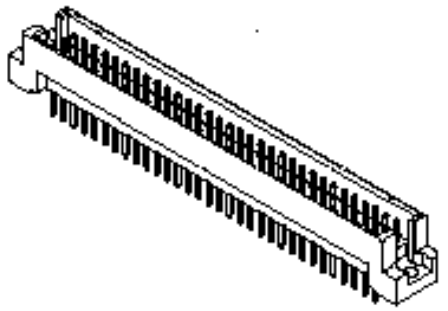
Part Number: 0850132385
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R Reverse, 1µm (40µ") Selective Gold (Au), 96 Circuits, Lead free



Series image - Reference only

Documents:

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

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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85013-0001
Sales Drawing	SD-85013-2385, SDA-85013-0001, SDA-85013-2385

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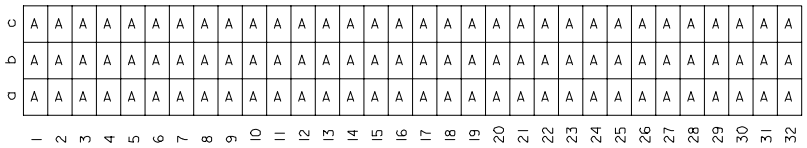
VIEW ON MATING SIDE



A = 96 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA PERFORM. 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

1 2004-XXXX
N.S 31/03/04
G.L. 31/03/04
G.L. 31/03/04

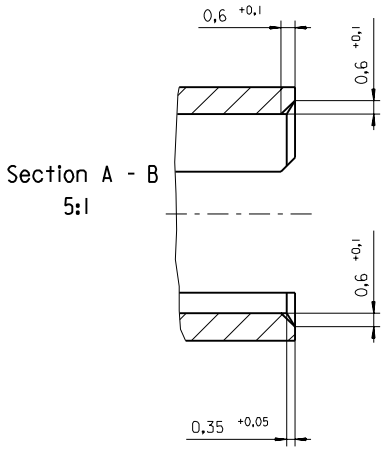
B

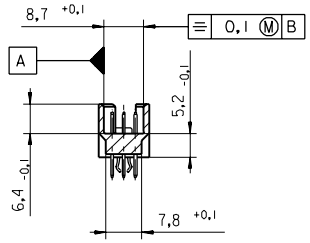
N.S.	13/03/02	96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R	
G.L.	13/03/02	CONTACTS ARRANGEMENT	
G.L.	13/03/02		
S850132385.S01	85013-2385	SD-85013-2385	NO. 1 OF 1

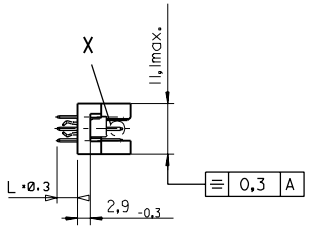
ZE
D

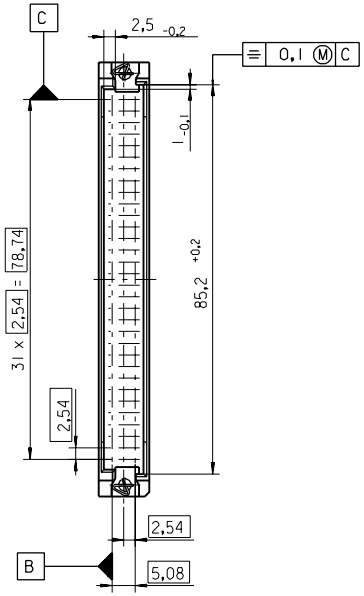
V
N

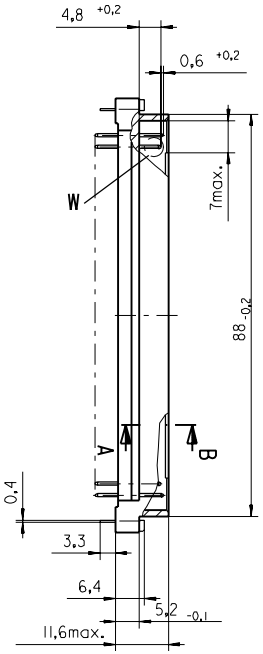
D
C
B
A

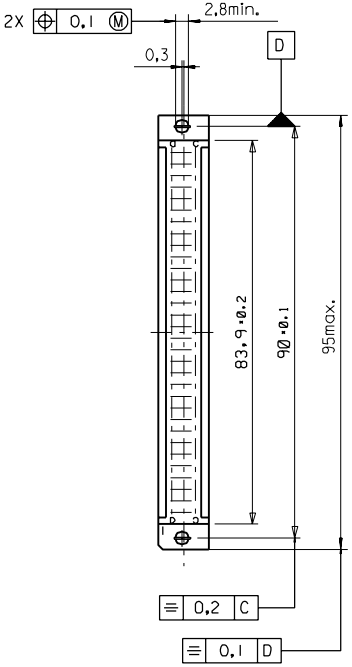


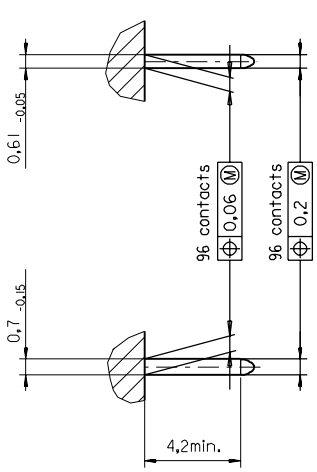












PART NO.
DWG. NO.

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

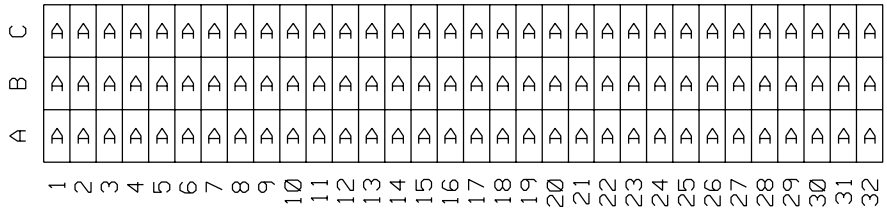
molex MOLEX EUROPE

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=2,9

Marking	Standard
Performance level	GI/O = Contact area perform. level I / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0001 sht.1
TechnicalData	PS-85013-0001

A	GI/O	a1-32 b1-32 c1-32
Contact symbol	Perform. level	Contact position number

A	LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	first release see ECN No. 2413		

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	JB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8501323 s81

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TITLE

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

MOLEX EUROPE

SHEET NO.	DATE
1 OF 1	97/02/20

PART NO.	DWG NO.	SIZE
85013-2385	SDA-85013-2385	A