

**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

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

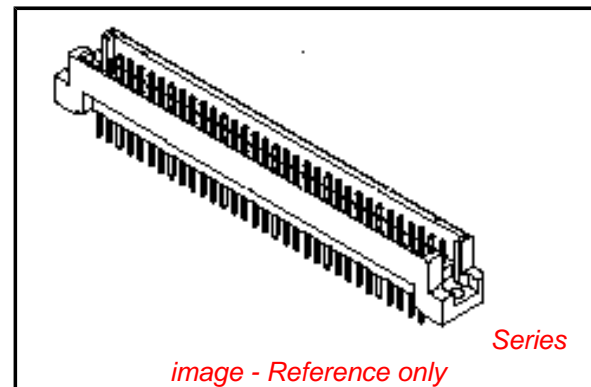
Product Family Backplane Connectors  
 Series [85013](#)  
 Application Backplane  
 Comments No Mounting Clips. No Flux Proof  
 Component Type PCB Header  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style R

**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](mailto: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	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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
-	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 = 13.3

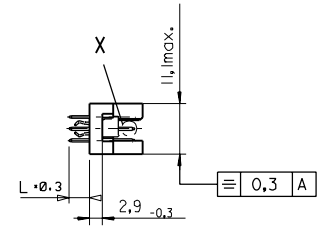
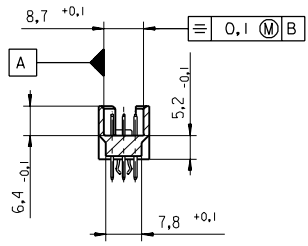
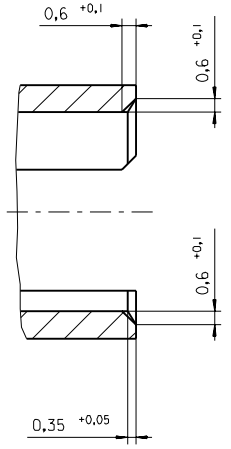
MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0001 SHT 1

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

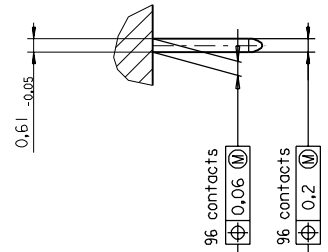
EC NO. I 2004-XXXX DRAWN/S 31/03/04 CHK/G.L. 31/03/04 APPR/G.L. 31/03/04	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> 1st ANGLE <input checked="" type="checkbox"/> 3rd ANGLE		DIMENSIONS: <input type="checkbox"/> MM <input type="checkbox"/> INCH <input checked="" type="checkbox"/> INCH ONLY		SHT 1 REV	
B	REV	4 PLACES ±0. 3 PLACES ±0. 2 PLACES ±0. 1 PLACE ±0.	DRAWN BY & DATE S.S. 16/07/01	DRAWN BY & DATE S.S. 16/07/01		TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R CONTACTS ARRANGEMENT			REVISE ON CAD ONLY	
		ANGULAR: ±	APPROVED BY & DATE G.L. 16/07/01	APPROVED BY & DATE G.L. 16/07/01		MATERIAL NO. 85013-0024			SHEET NO. 1 OF 1	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CAD FILENAME S850130024.S01		DRAWING NO. SD-85013-0024		MOLIX MOLEX INCORPORATED			SIZE D
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										

PART NO.  
DWG. NO.

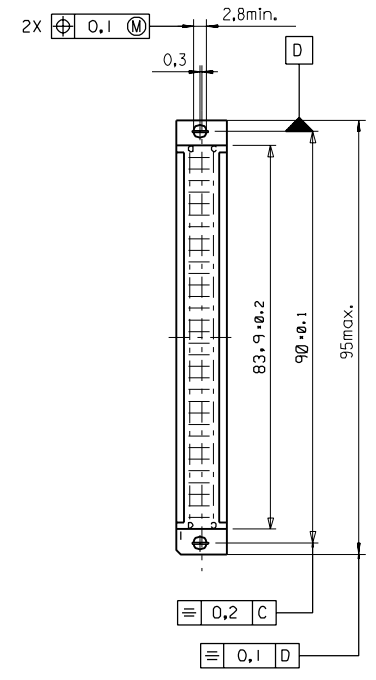
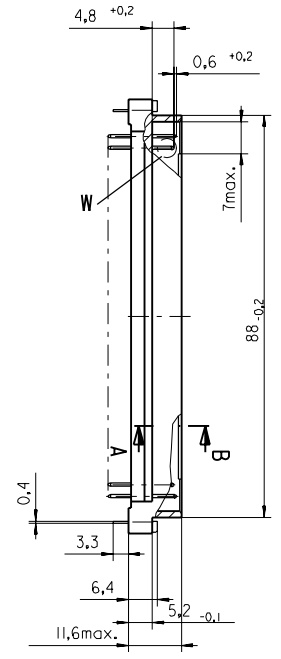
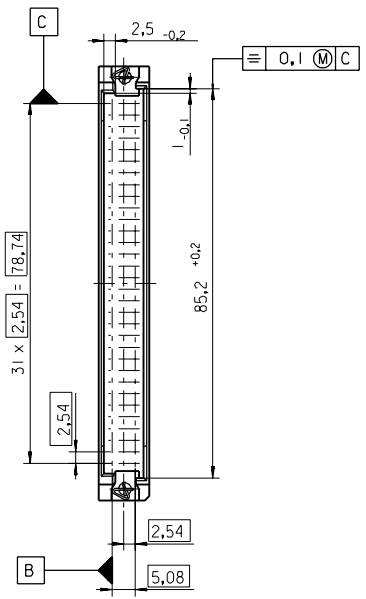
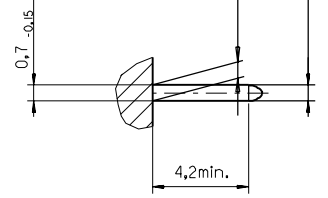
Section A - B  
5:1



View X  
5:1



View W  
5:1



FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		DRWG BY	SIGN	CAD/CAM PROJECT NAME	
INCH METRIC		Ca		85013000 611	
3 PLACE ± . ±		CHK'D BY	SIGN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
2 PLACE ± . ±		KN		TITLE	
1 PLACE ± . ±		APP'D BY	SIGN	96 pos. Male connector acc. DIN 41612 Style R Dimensions	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SCALE		SHEET NO. DATE	
DESIGN DIMENSION <input checked="" type="checkbox"/> MM		: 1		1 OF 95/06/07	
EQUIVALENT DIMENSION <input type="checkbox"/> MM				MOLEX MOLEX EUROPE	
EQUIVALENT DIMENSION <input type="checkbox"/> IN.				PART NO. DWG NO. SIZE	
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				SDA-85013-0001 B	

View on mating side

o	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
d	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
o	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 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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	b1-32	b1-32	cl-32
Contact symbol	Perform. level	Contact position number		

first release see ECN No. 1868	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2'$		DRWG BY	SIGN	REVISION PROJECT NAME		REV.		
LTR	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST	3 PLACE $\pm$ .	INCH	C	CHK'D BY	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SH.		
			2 PLACE $\pm$ .	METRIC	KN	APP'D BY	TITLE	SHEET NO.	DATE		
			1 PLACE $\pm$ .		SCALE	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		96 pos. Male connector acc. DIN 41612 style R contacts arrangement	1 OF 1	95/06/07	
			<input type="checkbox"/> MM DESIGN DIMENSION		<input type="checkbox"/> IN.	<input type="checkbox"/> MM EQUIVALENT DIMENSION		<input type="checkbox"/> IN.	molex MOLEX EUROPE		DWG NO.
			<input type="checkbox"/> MM		<input type="checkbox"/> IN.	<input type="checkbox"/> MM		<input type="checkbox"/> IN.	PART NO. 85013-0024		SDA-85013-0024
			IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY						SIZE A		



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

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