

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850133081

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R, 1.0µm (39µ") Selective Gold (Au), 96 Circuits

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-85013-0001 (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	Standard Contacts A at: a3-a23,a25-a32;b2-b32;c3-c23,c25-c32 . First-Mate-Last-Break at Contacts Z at a1,a2,a24;b1;c1,c2,c24
Durability (mating cycles max)	500
First Mate / Last Break	Yes
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Material - Plating Mating	Gold
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	Carton
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
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free	
Status	
Not Reviewed	

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

[85052](#) Receptacle

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85013-0001
Sales Drawing	SD-85013-3081, SDA-85013-0001, SDA-85013-3081

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

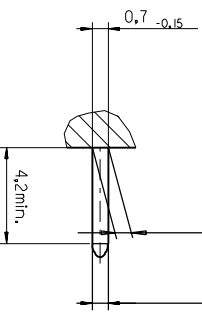
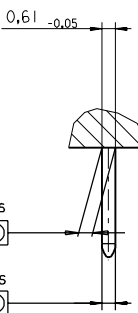
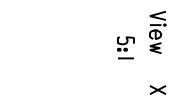
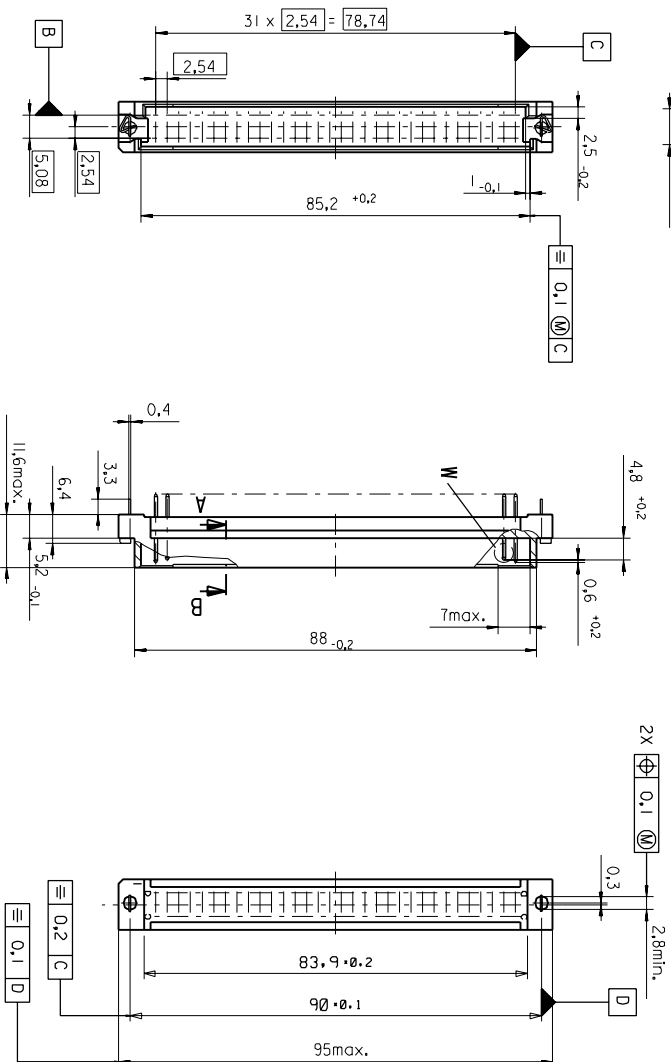
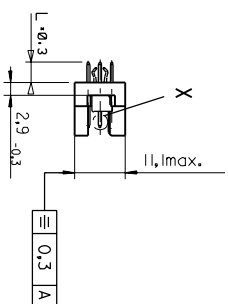
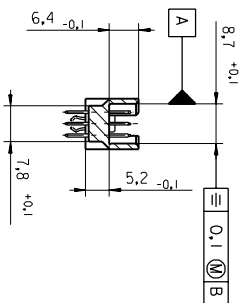
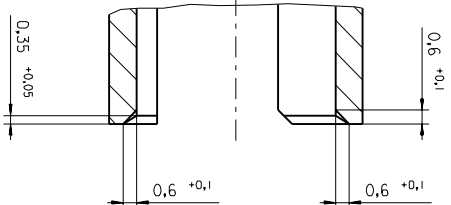
A =	89 STANDARD CONTACTS	L = 2.9
Z =	7 FMLB CONTACTS +0.6	L = 2.9
S =	96 TOTAL NUMBER OF CONTACTS	

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

Z	G1/O	a1,2,24	b1	c1,2,24
A	G1/O	a3-23,25-32	b2-32	c3-23,25-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER		

EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		QUALITY SYMBOLS MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY		SHT REVISE ON CAD ONLY	
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												
EC NO. 1 2004-XXXX DPMs N.S. 31/03/04 CHPS G.S. 31/03/04 APPRS G.S. 31/03/04		MAJOR CRITICAL		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>H0</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>H0</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	H0	±	3 PLACES	H0	±	2 PLACES	H0	±	1 PLACE	H0	±	SCALE DRAWN BY & DATE N.S. 17/09/01 CHECKED BY & DATE G.L. 17/09/01 APPROVED BY & DATE G.L. 17/09/01		DESIGN UNITS ☒ mm ☐							
	mm	INCH																												
4 PLACES	H0	±																												
3 PLACES	H0	±																												
2 PLACES	H0	±																												
1 PLACE	H0	±																												

Section A - B
5:1



REVISE ONLY ON CAD SYSTEM	SU.	REV.
FIRST ANGLE PROJECTION 		
UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 2°		
INCH METRIC		
3 PLACE ±	+	+
2 PLACE ±	+	+
1 PLACE ±	+	+
DRAWING WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
DESIGN DIMENSION	☒ MM ☐ IN	☒ MM ☐ IN
EQUIVALENT DIMENSION	☐ MM ☐ IN	SCALE
IF THE DIMENSIONS ARE GIVEN IN INCHES THE DESIGN DIMENSION MUST BE RECORDED		
1:1		
PART NO.		
DWG NO.		
SDA-85013-0001		
SIZE		
B		

View on mating side

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

A = 89 standard contacts L=2,9
Z = 7 FMLB contacts +0,6 L=2,9
S = 96 total number of contacts

Marking	Standard
Performance level	G1/0 = Contact area perform. level I / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0001 sht.1
Technical Data	PS-85013-0001

Z	G1/0	a1,2,24 b1 c1,2,24
A	G1/0	a3-23,25-32 b2-32 c3-23,25-32
Contact symbol	Perform. level	Contact position number

first release see ECN No. 2362	REVISIONS	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN	REVISE ONLY ON CAD SYSTEM		SH.	REV.	
		INCH METRIC		Ca		CAD/CAM PROJECT NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		3 PLACE	$\pm$. $\pm$	CHK'D BY	SIGN	TITLE 96 pos. Male connector acc. DIN 41612 style R contacts arrangement				
		2 PLACE	$\pm$. $\pm$	KN						
		1 PLACE	$\pm$. $\pm$	APP'D BY	SIGN	SHEET NO. DATE 1 OF 1 96/12/16				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JB		PART NO. DWG NO. SIZE 85013-3081 SDA-85013-3081 A						
DESIGN DIMENSION	☐ MM ☐ IN.	SCALE							IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY	
EQUIVALENT DIMENSION	☐ MM ☐ IN.									

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9