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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

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20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

○	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
○	Z	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
○	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	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 = 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	G/I/O = CONTACT AREA PERFORM. LEVEL I / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0001 SHT 1

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

EC NO. I 2004-XXXX DRAWN N.S. 31/03/04 CHK'd G.L. 31/03/04 APPR. G.L. 31/03/04	QUALITY SYMBOLS MAJOR ∇ CRITICAL ∇	GENERAL TOLERANCES: (UNLESS SPECIFIED) 4 PLACES $\pm 0,1$ mm \pm INCH 3 PLACES $\pm 0,2$ mm \pm INCH 2 PLACES $\pm 0,3$ mm \pm INCH 1 PLACE $\pm 0,4$ mm \pm INCH	SCALE DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> FIRST ANGLE <input checked="" type="checkbox"/> THIRD ANGLE	DIMENSIONS: <input type="checkbox"/> MM <input type="checkbox"/> INCH <input checked="" type="checkbox"/> MM ONLY	SHT 1 REV 1 REVISE ON CAD ONLY	
	DRAWN BY & DATE N.S. 17/09/01	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R CONTACTS ARRANGEMENT		MOLEX INCORPORATED			
	CHECKED BY & DATE G.L. 17/09/01	APPROVED BY & DATE G.L. 17/09/01		CAD FILENAME SD-85013-3081.S01	MATERIAL NO. 85013-3081	DRAWING NO. SD-85013-3081	SHEET NO. 1 OF 1
	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.				

24-border.DGN REV 4 96/06/12 LEVEL 6 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

View on mating side

○	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	A	A	A	A	A	A	A				
○	Z	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				
○	Z	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	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 = 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 ±2°		DRWG BY	SIGN	REVISIONS		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	± .	±	CHK'D BY	SIGN	TITLE 96 pos. Male connector acc. DIN 41612 style R contacts arrangement			
		2 PLACE	± .	±	KN					
		1 PLACE	± .	±	APP'D BY	SIGN	MOLEX EUROPE		SHEET NO.	DATE
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			JB		1 OF 1		96/12/16			
A	LTR	DESIGN DIMENSION	<input type="checkbox"/> MM <input type="checkbox"/> IN.	SCALE	PART NO.	DWG NO.	SIZE			
EQUIVALENT DIMENSION			<input type="checkbox"/> MM <input type="checkbox"/> IN.		85013-3081	SDA-85013-3081	A			
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY										