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Part Number: [0850132127](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R/2 Reverse, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free

Documents:

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

Agency Certification

CSA LR19980
UL E29179

General

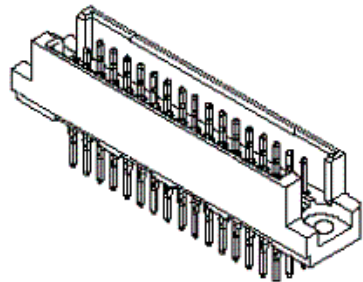
Product Family Backplane Connectors
Series [85013](#)
Application Daughtercard
Comments 10 Day Industrial Environment (S02)
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R/2

Physical

Circuits (Loaded) 48
Circuits (maximum) 48
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 16
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 Bag
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



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

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

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)

Material Info

Reference - Drawing Numbers

Sales Drawing	E-85013-2127, SD-85013-2127, SDA-85013-0002, SDA-85013-2127
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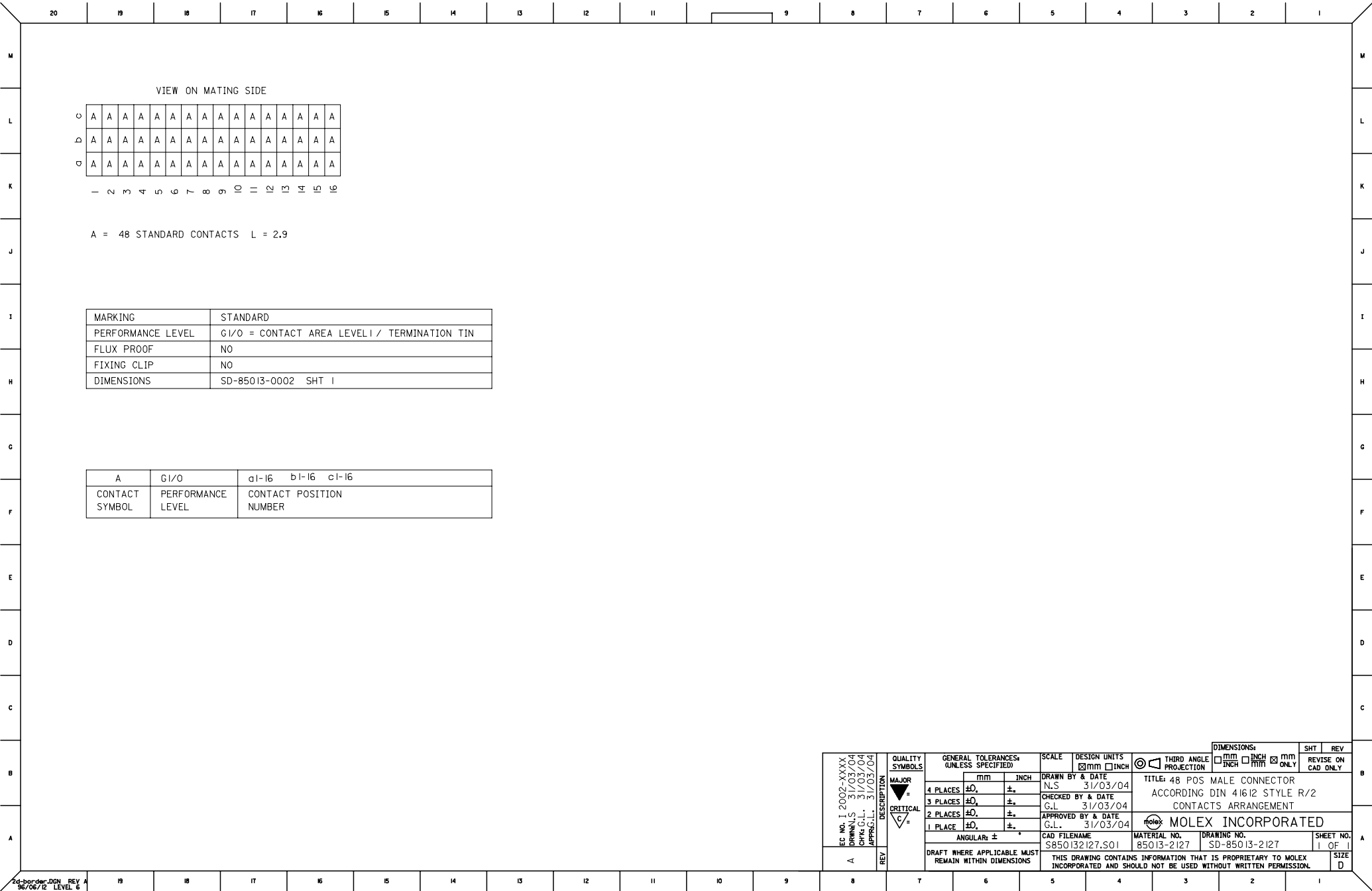
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A = 48 STANDARD CONTACTS L = 2.9

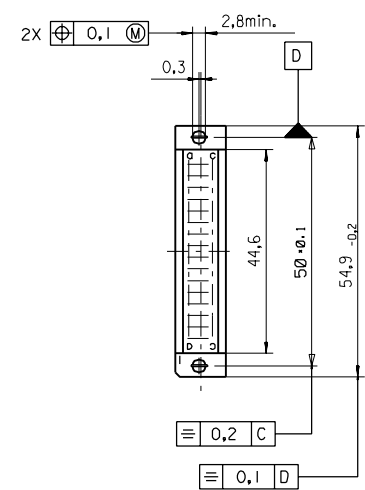
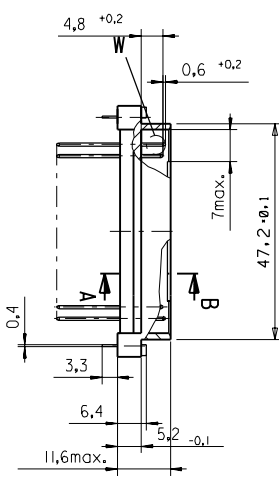
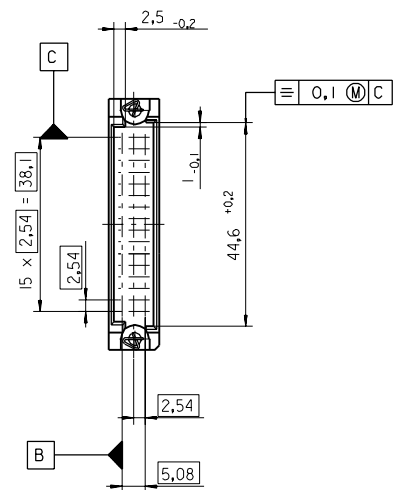
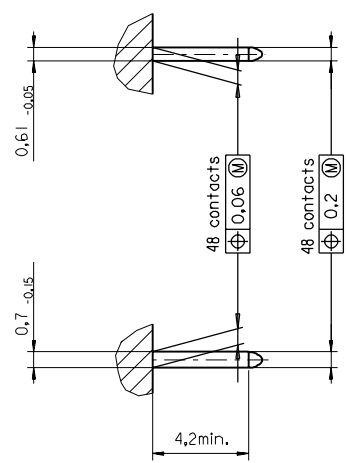
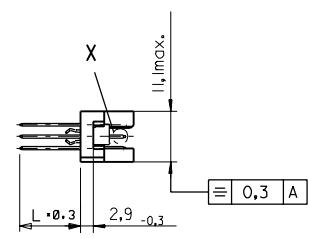
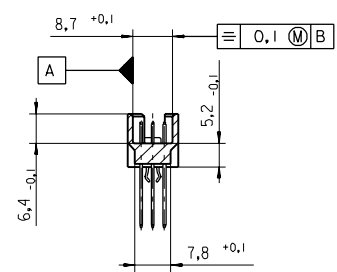
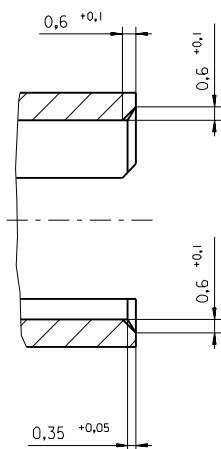
A	G I/O	a I-16 b I-16 c I-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36520-0002	1
2	TERMINAL	A	36527-0004	48

ib_frame_A1_P_ME_T
Rev. D 2004/04/02



EC NO. I 2002-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 ☒ mm ☐ INCH	THIRD ANGLE PROJECTION ☐ mm ☒ INCH	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
		4 PLACES ± 0.1	± 0.1	DRAWN BY & DATE NLS 31/03/04	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT		MATERIAL NO. 85013-2127	DRAWING NO. SD-85013-2127	SHEET NO. 1 OF 1	
		3 PLACES ± 0.1	± 0.1	CHECKED BY & DATE G.L. 31/03/04	MOLEX INCORPORATED					
		2 PLACES ± 0.1	± 0.1	APPROVED BY & DATE G.L. 31/03/04	CAD FILENAME S850132127.S01					SIZE D
A	REV	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.						



FIRST ANGLE PROJECTION			REVISE ONLY ON CAD SYSTEM			SH.	REV.
REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN	CAD/CAM PROJECT NAME	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	INCH METRIC		Ca		85013000		
					621		
	3 PLACE $\pm$. $\pm$		CHK'D BY	SIGN	TITLE		
	2 PLACE $\pm$. $\pm$		KN		48 pos. Male connector		
LTR	1 PLACE $\pm$. $\pm$		APP'D BY	SIGN	acc. DIN 41612 style R/2		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				Dimensions		
	DESIGN DIMENSION ☒ MM				MOLEX EUROPE		SHEET NO. DATE
	☐ IN.				1 OF		95/06/08
	EQUIVALENT DIMENSION ☐ MM		SCALE		PART NO.		DWG NO.
☐ IN.						SDA-85013-0002	SIZE
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY							B

A	$\triangleleft$	$\triangleleft$	$\triangleleft$
B	$\triangleleft$	$\triangleleft$	$\triangleleft$
C	$\triangleleft$	$\triangleleft$	$\triangleleft$

	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6
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A = 48 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-85013-0002 sht.1
Technical Data	PS-85013-0001

A	G1/O	a I-16 b I-16 c I-16	
Contact symbol	Per form.		Contact position number
B			

first release see ECN No. 2453	REVISIONS	FOR PREVIOUS REVISIONS SEE MRJ LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		DRWG BY	SIGN	CAD/CAM PROJECT NAME s8501321 s21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SH. REV.
		INCH METRIC		Ca	SIGN					
		3 PLACE ± . ±	CHK'D BY							
		2 PLACE ± . ±	KN							
		1 PLACE ± . ±	APP'D BY							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JB	SIGN	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement						
DESIGN DIMENSION ☐ MM ☐ IN.		SCALE		MOLEX® MOLEX EUROPE		SHEET NO. DATE 1 OF 1 97/04/09				
EQUIVALENT DIMENSION ☐ MM ☐ IN.		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY		PART NO.		DWG NO.		SIZE		
A	LTR			85013-2127		SDA-85013-2127		A		

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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