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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

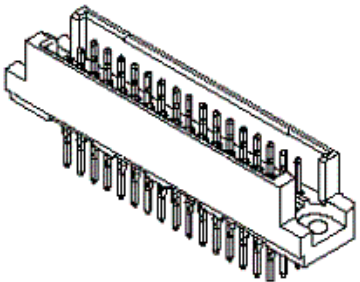
Product Family Backplane Connectors
Series [85013](#)
Application Daughtercard
Comments 10 Day Industrial Environment (S02)
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R/2

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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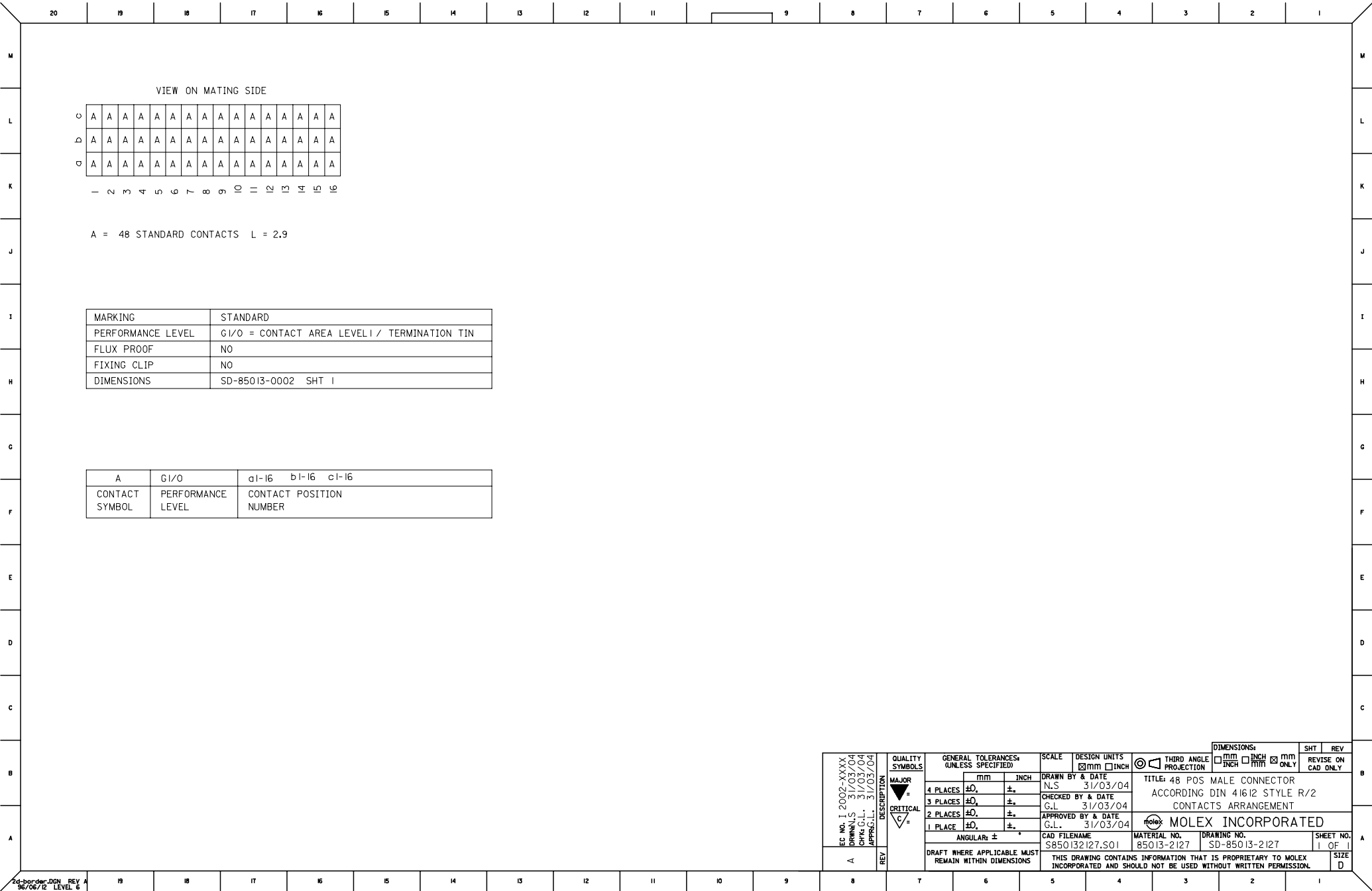
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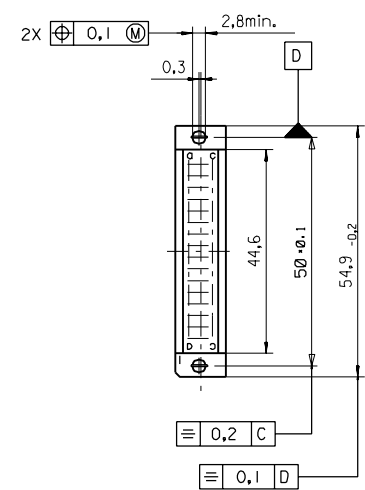
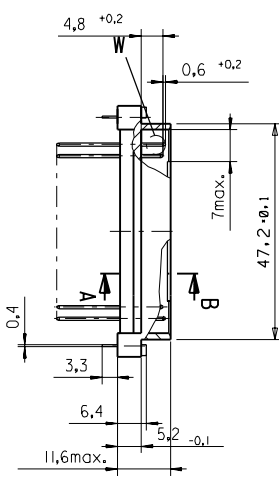
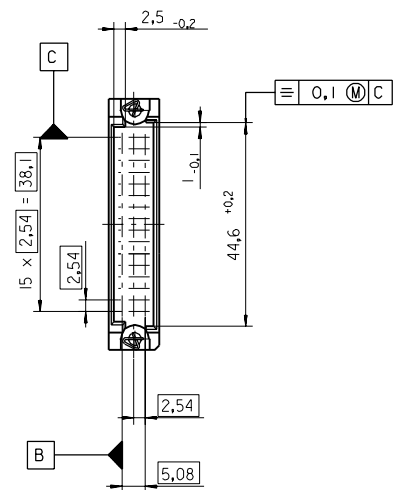
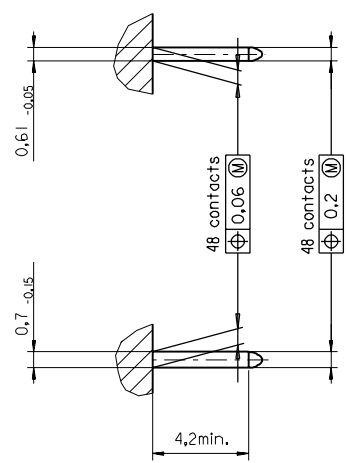
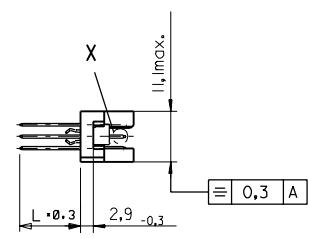
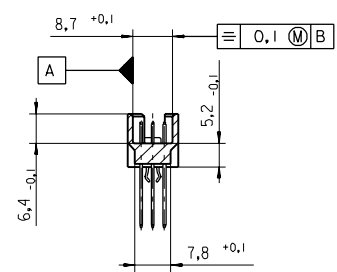
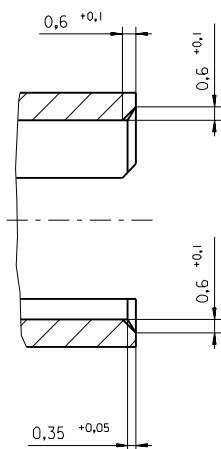
C

B

A



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) 4 PLACES ±0.1 ±.1 3 PLACES ±0.1 ±.1 2 PLACES ±0.1 ±.1 1 PLACE ±0.1 ±.1	SCALE DRAWN BY & DATE NLS 31/03/04 CHECKED BY & DATE G.L. 31/03/04 APPROVED BY & DATE G.L. 31/03/04	DESIGN UNITS mm INCH	THIRD ANGLE PROJECTION	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT	DIMENSIONS: mm INCH mm ONLY	SHT REV
A	REV		ANGULAR ± *	CAD FILENAME S850132127.S01	MATERIAL NO. 85013-2127	DRAWING NO. SD-85013-2127	MOLEX INCORPORATED	SHEET NO. 1 OF 1	SIZE D
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.	
first release see ECN No. 1887	LTR REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°	CAD/CAM PROJECT NAME 85013000 621	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		INCH METRIC	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions			
		3 PLACE ± . ±	DRWG BY Ca	SIGN	SHEET NO. DATE 1 OF 95/06/08	
		2 PLACE ± . ±	CHK'D BY KN	SIGN	PART NO. DWG NO. SIZE SDA-85013-0002 B	
		1 PLACE ± . ±	APP'D BY	SIGN		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE			
		DESIGN DIMENSION ☒ MM ☐ IN.				
		EQUIVALENT DIMENSION ☐ MM ☐ IN.				
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				

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