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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

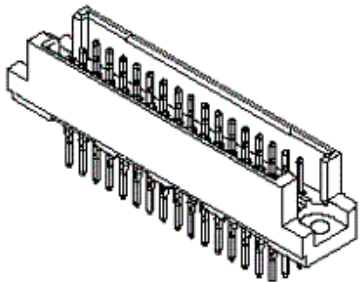
Product Family Backplane Connectors
Series [85013](#)
Application Daughtercard
Comments 10 Day Industrial Environment (S02)
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R/2

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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This document was generated on 05/17/2010

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A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85013-0002 SHT 1-2

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

ENTER DESCRIPTION EC NO.: I2005-0313 DRAWING NUMBER 2004/12/29 CHANGES 2004/12/29 APPROVALS 2005/11/09	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE		
			IN/MM		---	INCH	PROJECTION		
			DRAWN BY		DATE	TITLE			
			4 PLACES		±----	48 POS. MALE CONNECTOR			
			3 PLACES		±----	ACC. DIN 41612			
			2 PLACES		±----	STYLE R/2 CONTACTS			
			1 PLACE		±----	MOLEX MOLEX INCORPORATED			
			ANGULAR		±---°				
			DRAFT WHERE APPLICABLE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			MUST REMAIN WITHIN DIMENSIONS		ENTER PART		E-8503-2127		1 OF 1
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
A1									

20191817161514131211987654321

M

L

K

J

I

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G

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E

D

C

B

A

24-border DCM REV A 96/06/12 LEVEL 6

19181716151413121110987654321

VIEW ON MATING SIDE

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A = 48 STANDARD CONTACTS

L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G1/O = CONTACT AREA LEVEL I / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0002 SHT 1

A	G1/O	a1-16	b1-16	c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER		

EC NO. I 2002-XXXX

DRWN:NLS 31/03/04

CHK:G.L. 31/03/04

APPR:G.L. 31/03/04

A

MAJOR

CRITICAL

REV

GENERAL TOLERANCES: (UNLESS SPECIFIED)

4 PLACES ±0. ±.

3 PLACES ±0. ±.

2 PLACES ±0. ±.

1 PLACE ±0. ±.

ANGULAR ± *

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE

DESIGN UNITS

THIRD ANGLE PROJECTION

TITLE: 48 POS MALE CONNECTOR
ACCORDING DIN 41612 STYLE R/2
CONTACTS ARRANGEMENT

MOLEX INCORPORATED

CAD FILENAME

MATERIAL NO.

DRAWING NO.

SHEET NO.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

SIZE

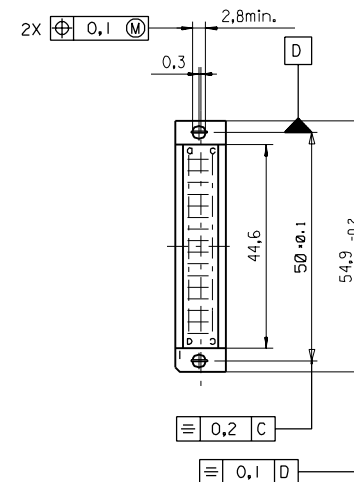
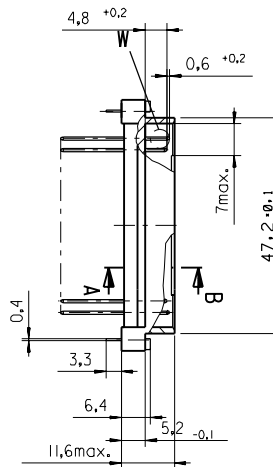
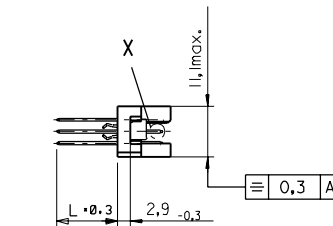
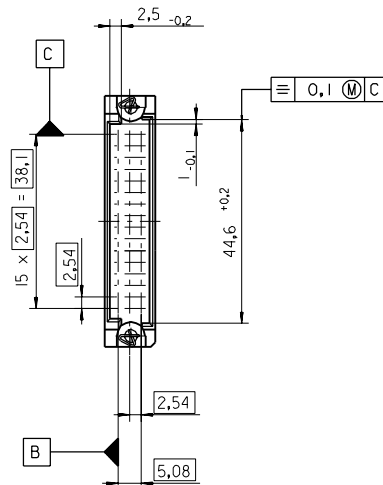
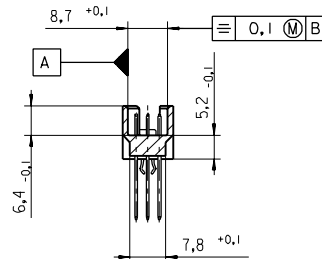
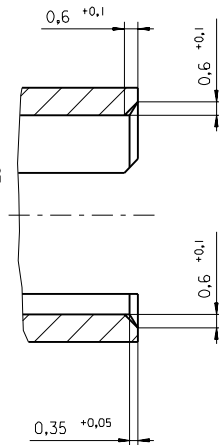
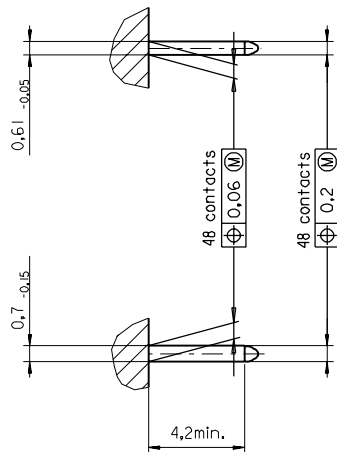
DIMENSIONS:

SHT

REV

REVISION ON CAD ONLY

View X
5:1

View W
5:1

first release see ECN No. 1887		REVISIONS		FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH. REV.	
		FOR PREVIOUS REVISIONS SEE DRAWING LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		CAD/CAM PROJECT NAME 85013000		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		INCH METRIC		DRAWG BY Ca		TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions			
		3 PLACE ± . ± 2 PLACE ± . ± 1 PLACE ± . ±		CHK'D BY KN					
BI	LTR	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY		MOLEX EUROPE		SHEET NO. DATE	
		DESIGN DIMENSION ☒ MM ☐ IN.		SCALE		PART NO.		DWG. NO.	
		EQUIVALENT DIMENSION ☐ MM ☐ IN.						1 OF 95/06/08	
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY						SDA-85013-0002	
								SIZE B	

[illegible]

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
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W

U



first release
see ECN No. 2453

FOR PREVIOUS REVISIONS SEE MRI LIST

	INCH	METRIC
3 PLACE	+	+
2 PLACE	+	+
1 PLACE	+	+

DRAFT WHERE APPLICABLE MUST BE USED FOR CONSTRUCTION

REMAIN WITHIN DIMENSIONS	
DESIGN DIMENSION	MM IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

DRWG BY	SIGN
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CHK'D BY	SIGN
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KN	SIGN
APP'D BY	

SCALE	
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MOLEX EUROPE

PART NO

NO.	85013-2127
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SHEET NO	DATE
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100

שם: _____

SDA-85013-2127

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