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Part Number: [0850139023](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style R/2, Press-fit, Vertical, 48 Circuits

Documents:

[3D Model](#) [Product Specification PS-85013-0002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

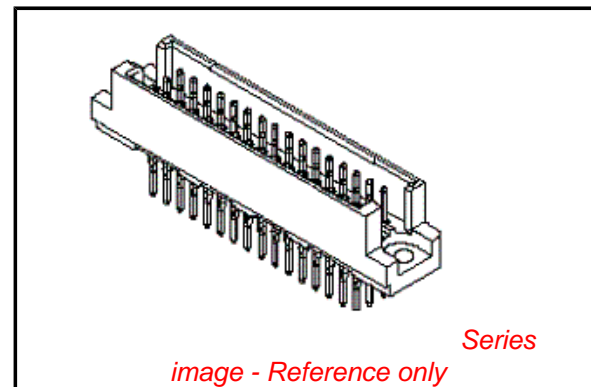
General

Product Family	Backplane Connectors
Series	85013
Application	Backplane
Comments	"R" at Style Represents Vertical Male DIN Connectors
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
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In, 0.157 In
PCB Thickness Recommended (mm)	1.60 mm, 4.00 mm
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)	24
Plating min: Mating (µm)	0.6
Plating min: Termination (µin)	16
Plating min: Termination (µm)	0.4
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical



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

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	1000V (RMS)

Material Info

Reference - Drawing Numbers

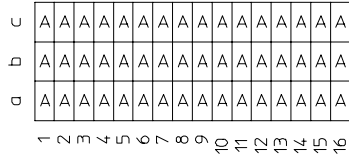
Packaging Specification	PK-85013-002
Product Specification	PS-85013-0002
Sales Drawing	SDA-85013-9023

This document was generated on 05/17/2010

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


View on mating side



A = 48 STANDARD CONTACTS L=2

Marking	Standard
Performance level	G2/0 = Contact area perform. level 2 / Termination tin
Flux proof	NO
Fixing clip	NO
Dimensions	609-6043-201 SHT 1
Technical Data	PS-85013-0002

A	G2/0	a1-16, b1-16, c1-16
Contact symbol	Perform. level	Contact position number

EC NO: 12004-0363 DRWN:SSUDHIR 2004/03/11 CHKD:GJLOWE 2004/03/11 APPR:GJLOWE 2004/04/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
	 = 0  = 0	mm	INCH	DIMENSION STYLE MM ONLY		TITLE 48 POS MALE CONNECTOR ACC DIN41612 STYLE R/2 CONTACTS ARRANGEMENT			
		4 PLACES	± ---	± ---	DRAWN BY SSUDHIR	DATE 2004/03/11	 MOLEX INCORPORATED		
		3 PLACES	± ---	± ---	CHECKED BY GJLOWE	DATE 2004/03/11			
2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY GJLOWE	DATE 2004/03/11	MATERIAL NO. 85013-9023	DOCUMENT NO. SDA-85013-9023	SHEET NO. 1 OF 1
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					A3		

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