

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0850139028](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Vertical, 3-Row C-Pin, Style R Male, 1µm (40µ") Selective Gold (Au), First-Mate-Last-Break Pins, 96 Circuits, Lead Free

**Documents:**

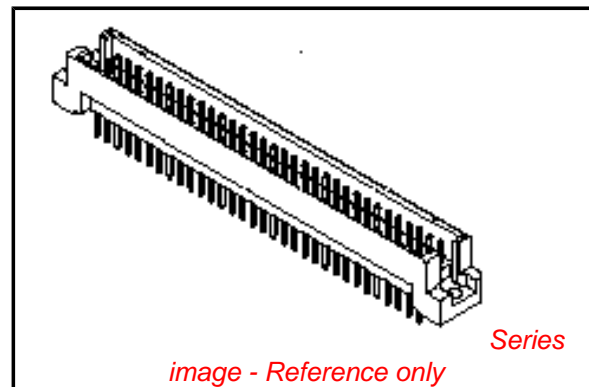
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-85013-0001 \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">85013</a>
Application	Backplane
Comments	"R" at Style Represents Vertical Male DIN Connectors
Component Type	PCB Header
Overview	<a href="#">din_41612</a>
Product Name	IEC 603-2/DIN 41612
Style	R

**Physical**

Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	Rows A, B, & C
Color - Resin	Gray
Durability (mating cycles max)	500
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Unplated
Material - Plating Termination	Unplated
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.228 In
PC Tail Length (mm)	5.80 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In, 0.157 In
PCB Thickness Recommended (mm)	1.60 mm, 4.00 mm
Packaging Type	Tray
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
Termination Interface: Style	Through Hole - Compliant Pin



**EU RoHS**

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

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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

**Electrical**

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	30
Shielded	No
Voltage - Maximum	1000V (RMS)

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-85013-0001
Sales Drawing	SD-85013-9028

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

U	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	Z	Z	Z	Z	Z			
D	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	Z	Z	Z	Z	Z			
O	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	Z	Z	Z	Z	Z			
	-	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= 72 STANDARD CONTACTS L=2MM  
 Z= 24 FMLB CONTACTS + 0.6 L=2MM  
 S= 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G1/0 = CONTACT AREA LEVEL 1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	610-6043-201 SHEET 1

Z	G1/0	a1, b1, c1, a26-a32, b26-b32 and c26-c32
A	G1/0	a2-a25, b2-b25, and c2-c25
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

RoHS COMPLIANT

ENTER DESCRIPTION ELC NCL 12006-0668 1 DRWNGSATTI THARAD 2006/09/14 CHKDSSUDHIR 2006/09/13 APPR3SSUDHIR 2006/10/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm INCH 4 PLACES ±---± 3 PLACES ±---± 2 PLACES ±---± 1 PLACE ±---± ANGULAR ±---°	MM ONLY	---	METRIC	DRAWN BY SHANKAR DATE 2006/06/01 CHECKED BY SSUDHIR DATE 2006/06/01 APPROVED BY SSUDHIR DATE 2006/06/01
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 85013-9028	DOCUMENT NO. SD-85013-9028	ASSY DIN41612 96 POS R MALE CONNECTOR, C-PIN WITH FMLB CONTACTS MOLEX INCORPORATED		
	SIZE A 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 1 OF 1	