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**Part Number:** [0850159006](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Press-fit Style R+, 0.6µm (24µ") Selective Gold (Au), 128 Circuits, Lead Free

**Documents:**

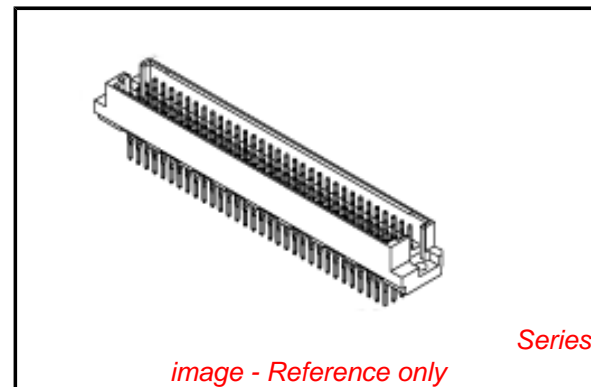
[3D Model](#) [Product Specification PS-85013-0002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">85015</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)	128
Circuits (maximum)	128
Circuits Detail	Standard Contacts at A:a2-a28, a31-a32, b1-b32, c1-c32, d1-d32 . First-Mate-Last-Break Contacts at X: a1-a30 . Last-Mate-First-Break Contacts at: Y a29
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	Yes
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	32
Number of Pairs	Open Pin Field
Number of Rows	4
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	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



**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**

[85015Series](#)

**Mates With**

[85042](#) DIN 41612 Receptacle . [85052](#) DIN 41612 Header

**Use With**

[85089-1081](#) Press-in Tool

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

### **Electrical**

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

### **Material Info**

### **Reference - Drawing Numbers**

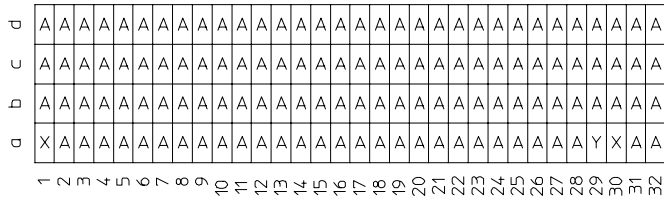
Packaging Specification	PK-85015-001
Product Specification	PS-85013-0002
Sales Drawing	SDA-85015-9006

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10 9 8 7 6 5 4 3 2 1

View on mating side



A = 125 STANDARD CONTACTS L=2  
 X = 2 FMLB CONTACTS L=2  
 Y = 1 LMFB CONTACT L=2  
 S = 128 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area perform. level 2 / Termination tin
Flux proof	NO
Fixing clip	NO
Dimensions	SDA-85015-0001 SHT 1
Technical Data	PS-85013-0002

Y	G2/0	a29
X	G2/0	a1, a30
A	G2/0	a2-a28, a31-a32, b1-b32, c1-c32, d1-d32
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 REV A	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE --- DESIGN UNITS METRIC	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE 128 POS MALE CONNECTOR ACC DIN41612 STYLE R CONTACTS ARRANGEMENT MOLEX INCORPORATED
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DIMENSION STYLE MM ONLY	DRAWN BY SSUDHIR DATE 2004/03/11		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY GJLOWE DATE 2004/03/11	APPROVED BY GJLOWE DATE 2004/03/11		
			MATERIAL NO. 85015-9006 DOCUMENT NO. SDA-85015-9006	SHEET NO. 1 OF 1		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9 8 7 6 5 4 3 2 1