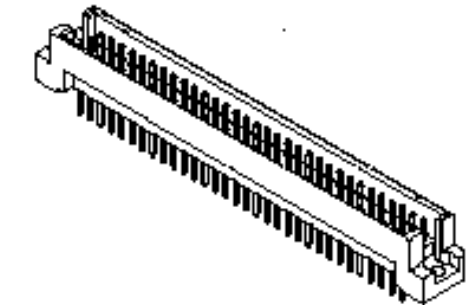


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0850132828](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Vertical, 3-Row C-Pin, Press-Fit Style R Male, 0.6µm (24µ") Selective Gold (Au), 96 Circuits, Lead free



Series

image - Reference only

Documents:

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85013](#)
Application Backplane
Component Type PCB Header
Overview [din_41612](#)
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) 400
First Mate / Last Break No
Flammability 94V-0
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 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) 24
Plating min: Mating (µm) 0.6
Plating min: Termination (µin) 16
Plating min: Termination (µm) 0.4

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
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

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

Electrical

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

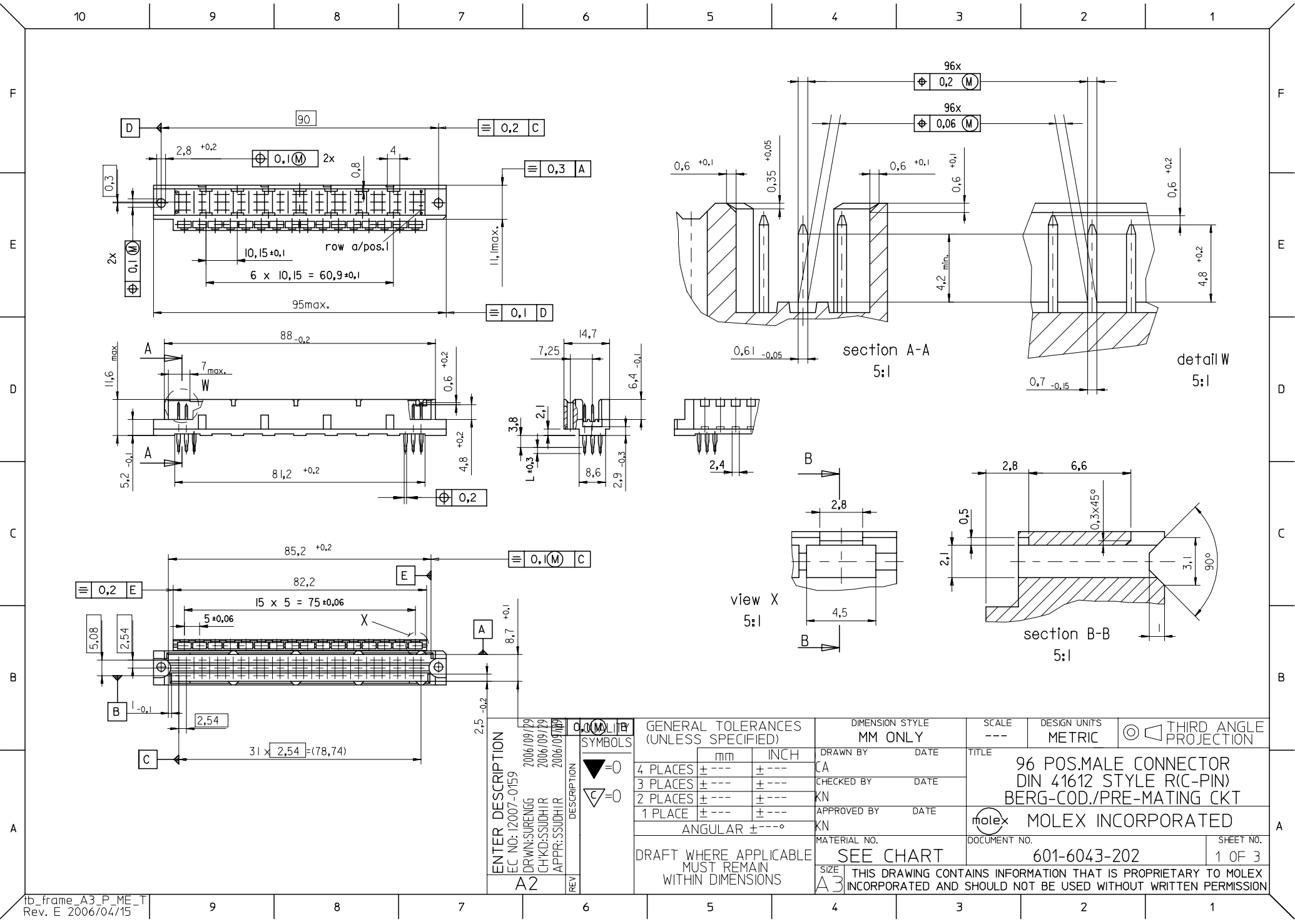
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85013-001
Product Specification	PS-85013-0002
Sales Drawing	601-6043-202

This document was generated on 05/17/2010

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ENTER DESCRIPTION EC NO: 12007-0159 DRWN: SURENGG 2006/09/29 CHKD: SSUDHIR 2006/09/29 APPR: SSUDHIR 2006/09/29	DESCRIPTION REV	SYMBOLS ▽=0 ▽C=0	0.00 M L B

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
MATERIAL NO.	
SEE CHART	

SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
TITLE 96 POS.MALE CONNECTOR DIN 41612 STYLE RIC-PIN) BERG-COD./PRE-MATING CKT			
MOLEX INCORPORATED			
DOCUMENT NO. 601-6043-202			SHEET NO. 1 OF 3

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F

E

D

C

B

A

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96P-6043-072U-7-BE113	85013-2995	yes	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	a/b/c2	ACTIVE
96P-6043-072U-6-B	85013-2971	yes	2/flash	Wire wrap	16,4	1,2,3...32	a+b+c	-----	ACTIVE
96P-6043-072U-7-BE61	85013-2969	yes	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	a/c1+32, b1+3+30+32	ACTIVE
96P-6043-072U-7-B	85013-2957	yes	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	-----	ACTIVE
96P-6043-072V-9-BE113	85013-2828	no	2	-----	2	1,2,3...32	a+b+c	a/b/c2	ACTIVE
96P-6043-072M-8-B	85013-2610	yes	2/2	Wire wrap	9,4	1,2,3...32	a+b+c	-----	VOID
96P-6043-0732-7-BE113	85013-1926	no	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	a/b/c2	ACTIVE
96P-6043-072V-9-B	85013-1457	yes	2	-----	2	1,2,3...32	a+b+c	-----	ACTIVE
96P-6043-0732-7-BE61	85013-0866	no	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	a/c1+32, b1+3+30+32	ACTIVE
96P-6043-0732-7-B	85013-0842	no	2/flash	Wire wrap	13,3	1,2,3...32	a+b+c	-----	ACTIVE
96P-6043-0732-6-B	85013-0830	no	2/flash	Wire wrap	16,4	1,2,3...32	a+b+c	-----	ACTIVE
96P-6043-072V-8-B	85013-0775	yes	2	Wire wrap	9,4	1,2,3...32	a+b+c	-----	ACTIVE
Engineering number	Ordering code	Molex std.	Perf.level hard gold acc. MIL-G45204	Termi- nation	Contact sequence/row	Position of pre- mating contacts	PART STATUS		

RoHS COMPLIANT

ENTER DESCRIPTION
EC NO: 12007-0159
DRWNSURENGG 2006/09/29
CHKD:SSUDHIR 2006/09/29
APPR:SSUDHIR 2006/09/29

QUALITY SYMBOLS
=0
=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ± ---°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
CHECKED BY DATE
APPROVED BY DATE
MATERIAL NO.
SIZE A3

SCALE

TITLE
96 POS.MALE CONNECTOR
ACC. TO DIN41612 C-PIN
STYLE R
moLEX MOLEX INCORPORATED
DOCUMENT NO.
601-6043-202
SHEET NO.
2 OF 3

DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION

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

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ib_frame_A3_P_ME_T
Rev. E 2006/04/15

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B											B																																																								
A											A																																																								
1. General : Technical Data 96 pos. Male connector acc. DIN 41612 style R (C-Pin) with Berg coding device and extended pins 2. Material : 2.1 Molding material : Thermoplastic Polyester GV30 grey RAL 7032 2.1.1 Molding material : burning properties acc. to UL94 V0 2.1.2 Resistance against solvents : good 2.2 Pin contact : CuSn 2.21 Contact plating : Performance level I or II (Test acc. DIN 41612 part 5) 3. Printing : Part.No., date of manufacturing <table><tr><td rowspan="5">ENTER DESCRIPTION EC NO: I2007-0159 DRWN: SUREGG 2006/09/29 CHKD: SSUDHIR 2006/09/29 APPR: SSUDHIR 2006/09/29 A2</td><td rowspan="5">DESCRIPTION REV</td><td>QUALITY SYMBOLS =0 =0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE ---</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY CA</td><td>DATE</td><td colspan="2" rowspan="2">TITLE 96 POS.MALE CONNECTOR ACC_DIN41612 R(C-PIN) DATA</td><td rowspan="2">MOLEX INCORPORATED</td><td rowspan="2">SHEET NO. 3 OF 3</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY KN</td><td>DATE</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td colspan="2" rowspan="2">APPROVED BY</td><td rowspan="2">DATE</td><td rowspan="2">DOCUMENT NO. 601-6043-202</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">ANGULAR ± ---°</td><td colspan="2">MATERIAL NO.</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="6"></td></tr></table>												ENTER DESCRIPTION EC NO: I2007-0159 DRWN: SUREGG 2006/09/29 CHKD: SSUDHIR 2006/09/29 APPR: SSUDHIR 2006/09/29 A2	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			mm	INCH	DRAWN BY CA	DATE	TITLE 96 POS.MALE CONNECTOR ACC_DIN41612 R(C-PIN) DATA		MOLEX INCORPORATED	SHEET NO. 3 OF 3	4 PLACES	± ---	± ---	CHECKED BY KN	DATE	3 PLACES	± ---	± ---	APPROVED BY		DATE	DOCUMENT NO. 601-6043-202	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± ---°		MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART								
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