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Part Number: [0850130062](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Vertical, C-Pin Press-Fit Style R/2 Reverse, 0.6µm (24µ") Selective Gold (Au), 32 Circuits, Lead free

Documents:

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

Agency Certification

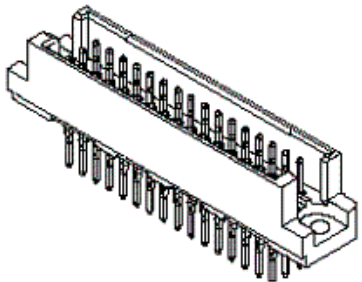
CSA	LR19980
UL	E29179

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/2

Physical

Circuits (Loaded)	32
Circuits (maximum)	48
Circuits Detail	Rows A & 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	16
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)	0.062 In
PCB Thickness Recommended (mm)	1.60 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



*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

Use With
[85089-1055](#) 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	2.5A
Data Rate	622.0 Mbps
Voltage - Maximum	1000V (RMS)

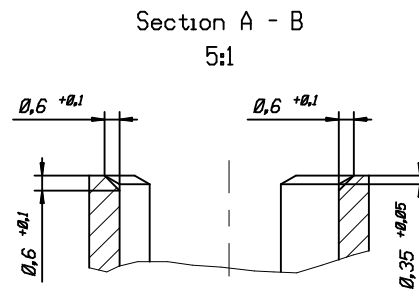
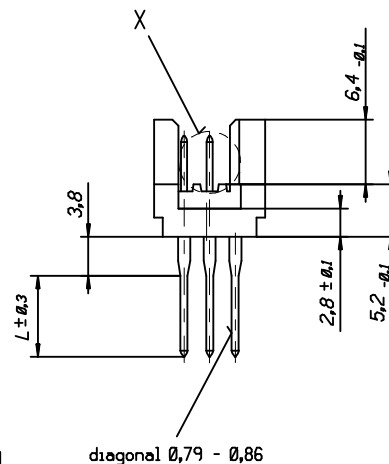
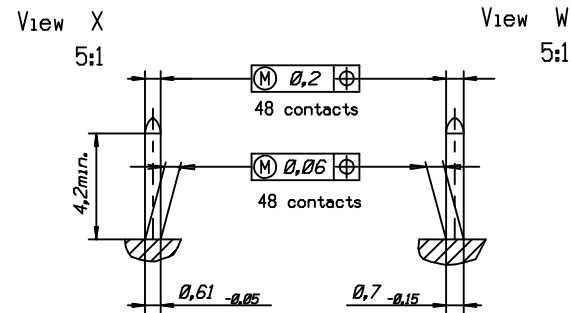
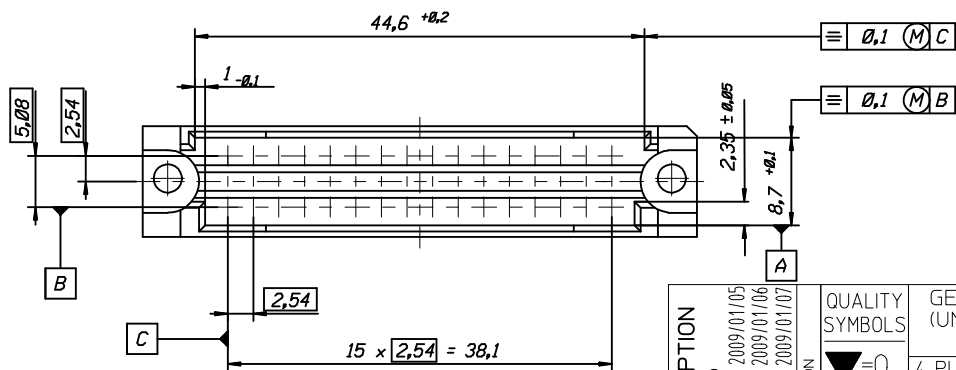
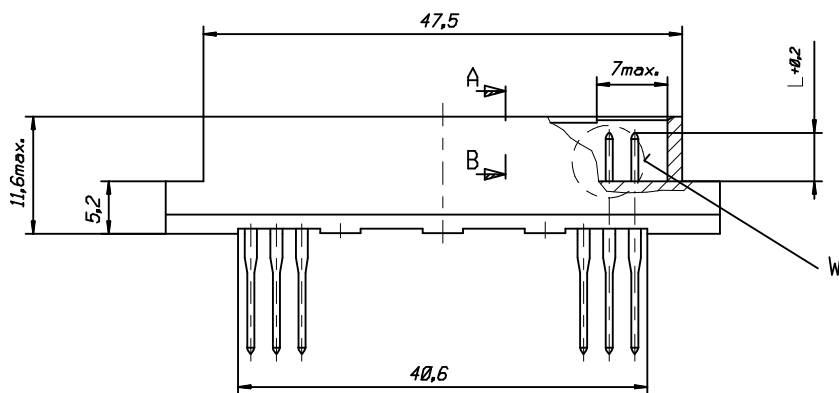
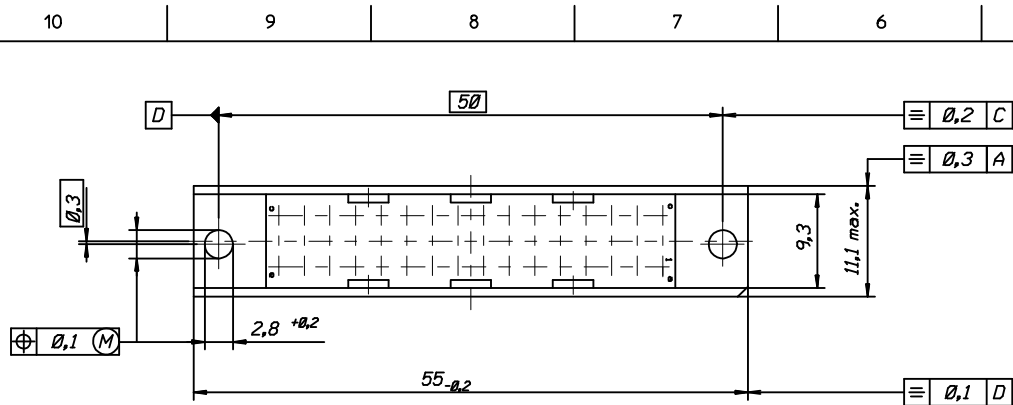
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85013-002
Product Specification	PS-85013-0002
Sales Drawing	609-6043-201, SDA-85013-0062

This document was generated on 05/17/2010

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ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		FIRST ANGLE PROJECTION	
EC NO: I2009-0276		2009/01/05		mm		MM ONLY		2:1		METRIC		FIRST ANGLE PROJECTION	
DRWN:PJT		2009/01/06		INCH		DRAWN BY		DATE		TITLE		48POS.MALE CONNECTOR	
CHKD:KPRASAD		2009/01/07		4 PLACES		ER		1992/12/16		DIN 41612 STYLE (C-PIN)		DIMENSIONS	
APPR:KPRASAD		2009/01/07		3 PLACES		CHECKED BY		DATE		MOLEX INCORPORATED		DOCUMENT NO.	
				2 PLACES		KN		1992/12/16		609-6043-201		SHEET NO.	
				1 PLACE		APPROVED BY		DATE		1 OF 4			
				ANGULAR ±---°		KN		1992/12/16					
				DRAFT WHERE APPLICABLE		MATERIAL NO.		SEE TABLE					
				MUST REMAIN		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX					
				WITHIN DIMENSIONS		A3		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

48P-6043-....-6	85013-....	..	..	Wire wrap 16, 4		
48P-6043-071L-7	85013-2220	yes	1/1	Wire wrap 13, 3	1, 2, 3...16	a+b+c
48P-6043-051L-7	85013-2218	yes	1/1	Wire wrap 13, 3	1, 2, 3...16	a+c
48P-6043-071V-7	85013-2206	yes	1	Wire wrap 13, 3	1, 2, 3...16	a+b+c
48P-6043-051V-7	85013-2191	yes	1	Wire wrap 13, 3	1, 2, 3...16	a+c
48P-6043-071L-8	85013-2189	yes	1/1	Wire wrap 9, 4	1, 2, 3...16	a+b+c
48P-6043-051L-8	85013-2177	yes	1/1	Wire wrap 9, 4	1, 2, 3...16	a+c
48P-6043-071V-8	85013-2165	yes	1	Wire wrap 9, 4	1, 2, 3...16	a+b+c
48P-6043-051V-8	85013-2153	yes	1	Wire wrap 9, 4	1, 2, 3...16	a+c
48P-6043-072V-7	85013-1029	yes	2	Wire wrap 13, 3	1, 2, 3...16	a+b+c
48P-6043-0731-8	85013-0232	no	2	Wire wrap 9, 4	1, 2, 3...16	a+b+c
48P-6043-072V-8	85013-0086	yes	2	Wire wrap 9, 4	1, 2, 3...16	a+b+c
48P-6043-0522-9	85013-0294	no	1	----- 2	1, 2, 3...16	a+c
48P-6043-0722-9	85013-1500	no	1	----- 2	1, 2, 3...16	a+b+c
48P-6043-0731-9	85013-0658	no	2	----- 2	1, 2, 3...16	a+b+c
✓ 48P-6043-072V-9	85013-0098	yes	2	----- 2	1, 2, 3...16	a+b+c
✓ 48P-6043-052V-9	85013-0062	yes	2	----- 2	1, 2, 3...16	a+c
48P-6043-071V-9	85013-0385	yes	1	----- 2	1, 2, 3...16	a+b+c
48P-6043-051V-9	85013-1110	yes	1	----- 2	1, 2, 3...16	a+c
Engineering number	Ordering code	Molex std.	Perform.level hard gold acc.MIL-645204	Termination / L	Contact sequence / row	

ENTER DESCRIPTION EC NO: I2009-0276 2009/01/05 DRWNP:JT 2009/01/06 CHKD:KPRASAD 2009/01/07 APPR:KPRASAD REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY <table> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>ER</td> <td>1992/12/16</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>KN</td> <td>1992/12/16</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>KN</td> <td>1992/12/16</td> </tr> </table>	DRAWN BY	DATE	ER	1992/12/16	CHECKED BY	DATE	KN	1992/12/16	APPROVED BY	DATE	KN	1992/12/16	SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
		mm	INCH																														
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		4 PLACES 3 PLACES 2 PLACES 1 PLACE	DATE 1992/12/16	TITLE 48POS.MALE CONNECTOR DIN 41612 STYLE (C-PIN) DIMENSIONS																													
		ANGULAR ±---°	DATE 1992/12/16	moLEX MOLEX INCORPORATED																													
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ENTER PART	MATERIAL NO. 609-6043-201	DOCUMENT NO. 2 OF 00	SHEET NO. 2 OF 00																											

1. General : Technical Data
48pos. Male connector acc.DIN 41612 style R/2`
(C-Pin)
2. Material :
- 2.1 Moulding material : Thermoplastic Polyester GV30 grey RAL 7032
- 2.1.1 Moulding material
burning properties acc. to UL94 V0
- 2.1.2 Resistance against
solvents : good
- 2.2 Pin contact : CuSn
- 2.2.1 Contact plating : Performance level I or II (Test acc.DIN 41612 part.5)
3. Printing : Part.No., date of manufacturing

Sheet	Dwg Issue	Date	Name	Change	Remark
1 Dimens. B		93/08/10	Ca	lead in chamfer changed	
2 Ord.code A1		93/08/10	Ca	add. div. Ordering code	
3 Data A		93/08/10	Ca	change of sheet no.	

ENTER DESCRIPTION EC NO: I2009-0276 2009/01/05 DRWNP:JT 2009/01/06 CHKDK:PRASAD 2009/01/07 APPR:KPRASAD	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE N.T.S	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION	
			mm	INCH	DRAWN BY	DATE	TITLE		
		4 PLACES	± ---	± ---	ER	1992/12/16	48POS.MALE CONNECTOR DIN 41612 STYLE (C-PIN) DIMENSIONS		
		3 PLACES	± ---	± ---	CHECKED BY	DATE			
		2 PLACES	± ---	± ---	KN	1992/12/16			
1 PLACE	± ---	± ---	APPROVED BY	DATE					
		ANGULAR ±---°		KN	1992/12/16	DOCUMENT NO.		MOLEX INCORPORATED	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		609-6043-201			
				SIZE A3		3 OF 4			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

View on mating side

[illegible][illegible]

A = 32 standard contacts L=2

Marking	Standard
Performance level	G2/0 = Contact area perform. level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	609-6043-201 sht.1
Technical Data	PS-85013-0002

A	G2/0	al-16	cl-16	
Contact symbol	Perform. level	Contact position number		

first release ECN No. MC1999-0303	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST				UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$ INCH METRIC 3 PLACE $\pm$. $\pm$ 2 PLACE $\pm$. $\pm$ 1 PLACE $\pm$. $\pm$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DESIGN DIMENSION ☒ MM ☐ IN. EQUIVALENT DIMENSION ☐ MM ☐ IN. IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY	DRWG BY SIGN	SIGN	CAD/CAM PROJECT NAME THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REVISE ONLY ON CAD SYSTEM	SH. REV.		
		SCALE	APP'D BY SIGN	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement	PART NO. 85013-0062							DWG NO. SDA-85013-0062	SIZE A