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Part Number: [0850130098](#)
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), 48 Circuits, Lead free

Documents:

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

Agency Certification

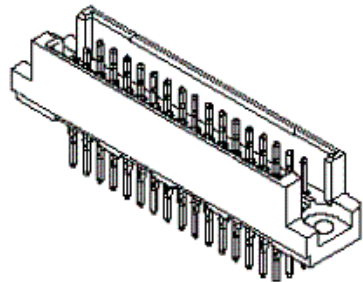
CSA	LR19980
UL	E29179

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)	48
Circuits (maximum)	48
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	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**
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

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

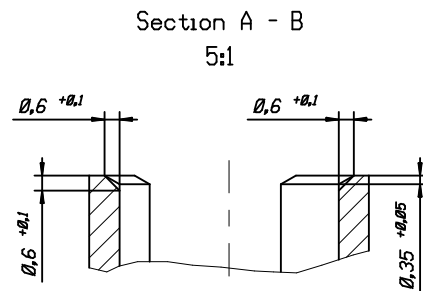
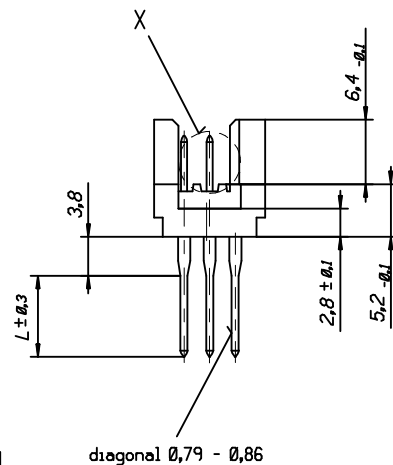
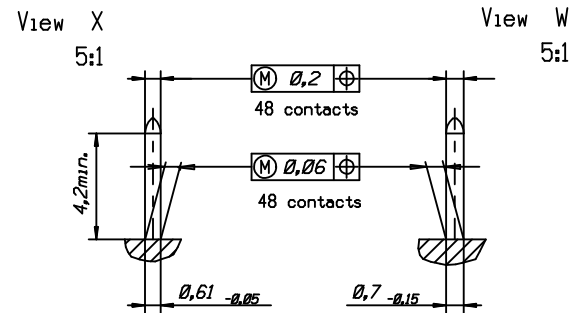
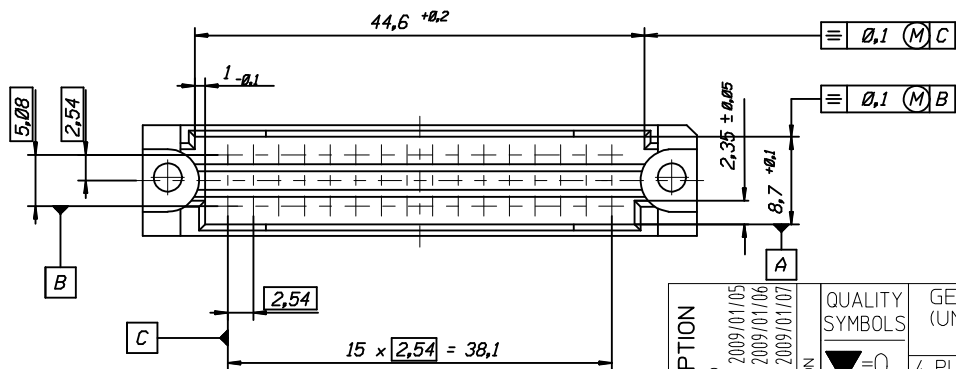
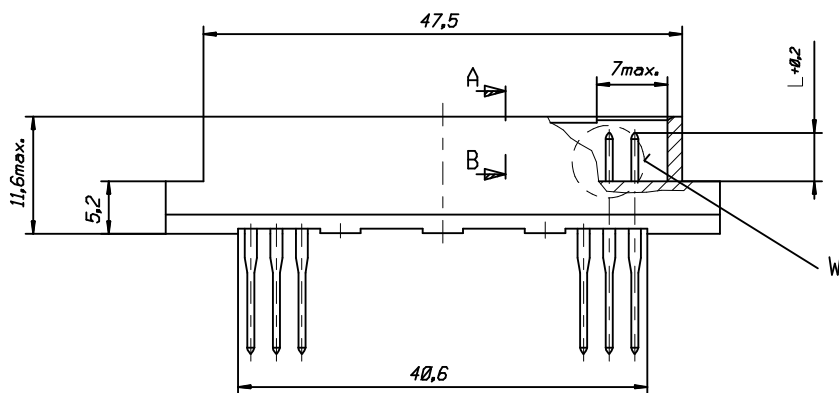
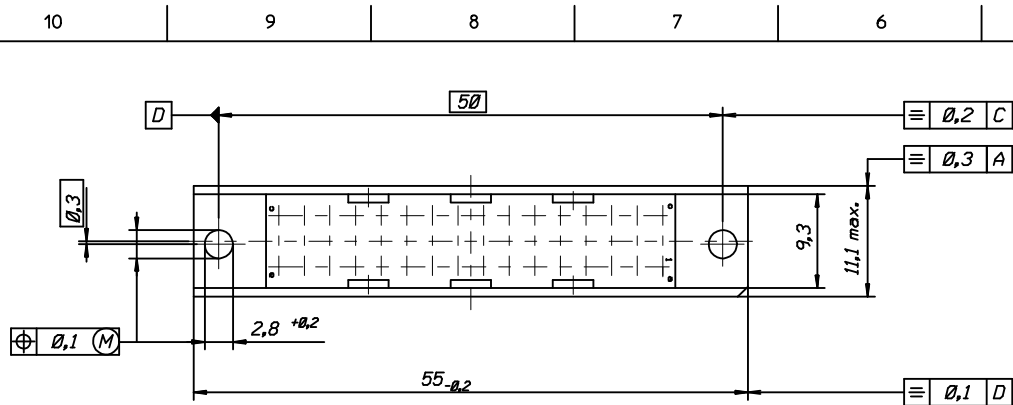
Material Info

Reference - Drawing Numbers

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

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		09/01/05		mm		MM ONLY		2:1		METRIC			
DRWN:PJT		09/01/06		INCH		DRAWN BY		DATE		TITLE			
CHKD:KPRASAD		09/01/07		4 PLACES		ER		1992/12/16		48POS.MALE CONNECTOR			
APPR:KPRASAD				3 PLACES		CHECKED BY		DATE		DIN 41612 STYLE (C-PIN)			
				2 PLACES		KN		1992/12/16		DIMENSIONS			
				1 PLACE		APPROVED BY		DATE		MOLEX INCORPORATED			
				ANGULAR $\pm$ ---		KN		1992/12/16		DOCUMENT NO.			
				DRAFT WHERE APPLICABLE		MATERIAL NO.		SEE TABLE		609-6043-201			
				MUST REMAIN		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		1 OF 4			
				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	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION		
	▽=0 ▽C=0		mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	ER	1992/12/16	48POS.MALE CONNECTOR			
		3 PLACES	± ---	± ---	CHECKED BY	DATE	DIN 41612 STYLE (C-PIN)			
		2 PLACES	± ---	± ---	KN	1992/12/16	DIMENSIONS			
		1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
		ANGULAR ±---°		KN	1992/12/16	DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ENTER PART		609-6043-201				
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						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		SEE TABLE		MATERIAL NO.		609-6043-201		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
								SHEET NO. 3 OF 4

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

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