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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

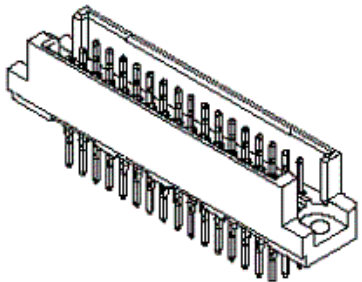
CSA LR19980
UL E29179

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
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	2.5A
Data Rate	622.0 Mbps
Voltage - Maximum	1000V (RMS)

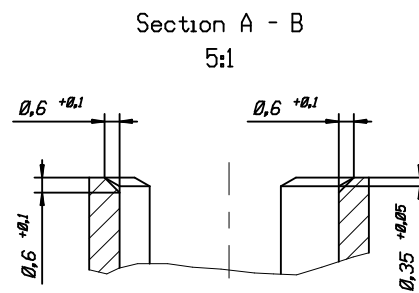
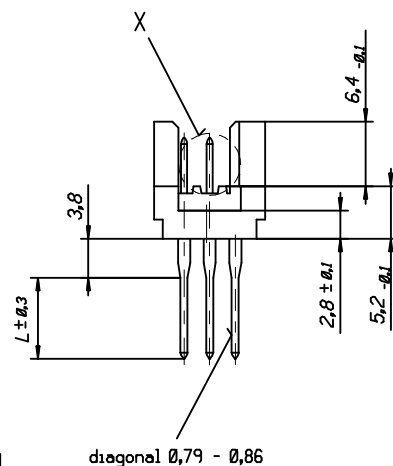
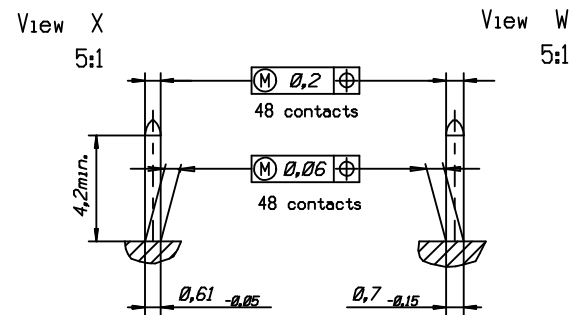
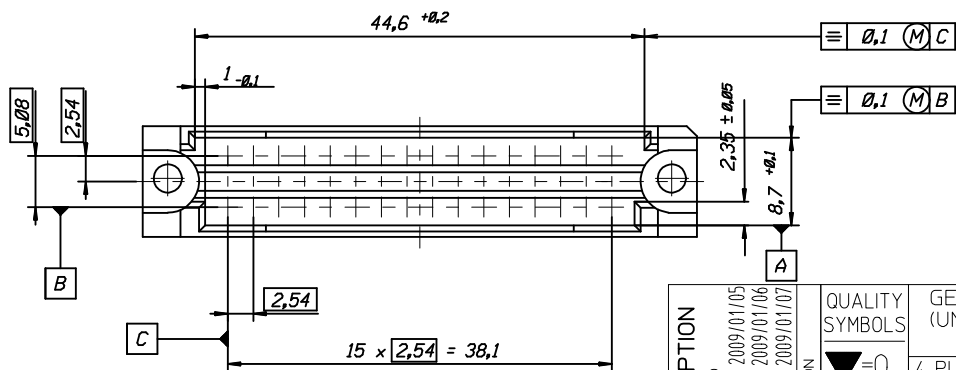
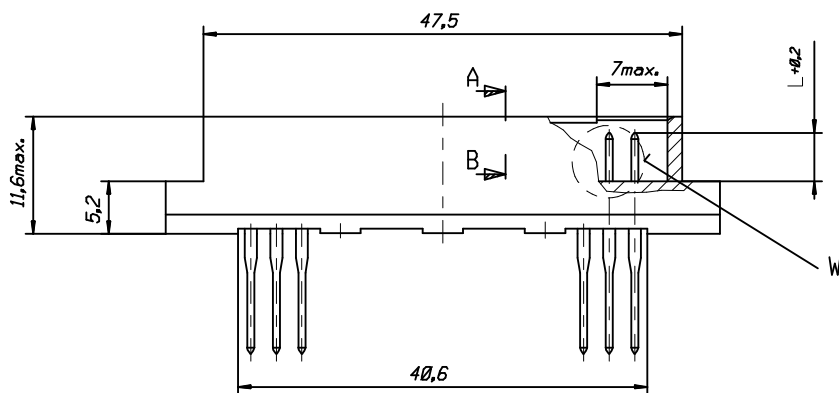
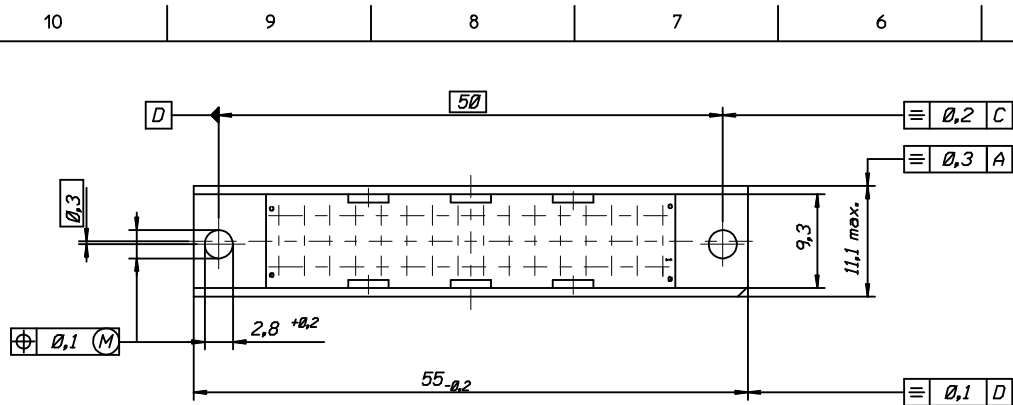
Material Info

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		CHECKED BY		DATE		DIN 41612 STYLE (C-PIN)		DIMENSIONS	
APPR:KPRASAD		2009/01/07		3 PLACES		APPROVED BY		DATE		MOLEX INCORPORATED		1 OF 4	
				2 PLACES		MATERIAL NO.		DOCUMENT NO.		609-6043-201			
				1 PLACE		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR $\pm$ ---		SEE TABLE							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION		
			mm	INCH	DRAWN BY ER	DATE 1992/12/16	TITLE 48POS.MALE CONNECTOR DIN 41612 STYLE (C-PIN) DIMENSIONS			
		4 PLACES	± ---	± ---	CHECKED BY KN	DATE 1992/12/16	MOLEX INCORPORATED			
		3 PLACES	± ---	± ---	APPROVED BY KN	DATE 1992/12/16	DOCUMENT NO. 609-6043-201			
								SHEET NO. 2 OF 00		
		ANGULAR ±---°		ENTER PART		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				SIZE A3						

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

View on mating side

[illegible]

	6
	5
	4
	3
	2
	1
	0
	9
	8
	7
	6
	5
	4
	3
	2
	1

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	CAD/CAM PROJECT NAME THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REVISION ONLY ON CAD SYSTEM SH. REV.	
		Cd									
		CHK'D BY	SIGN								
		Er									
			APP'D BY	SIGN		FB					
			SCALE								
TITLE				MOLEX EUROPE		SHEET NO. 1 OF 1	DATE 99/05/27	PART NO. 85013-0062		DWG NO. SDA-85013-0062	SIZE A