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Part Number: [0850090048](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612/EIC 603-2 Mixed Layout Connector, Male Style M, Right Angle, Through Hole, 0.6µ (24µ") Selective Gold (Au), 42 Circuits

Documents:
[3D Model](#) [Product Specification PS-85003-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85009](#)
Application Backplane
Comments Mixed Layout
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style M

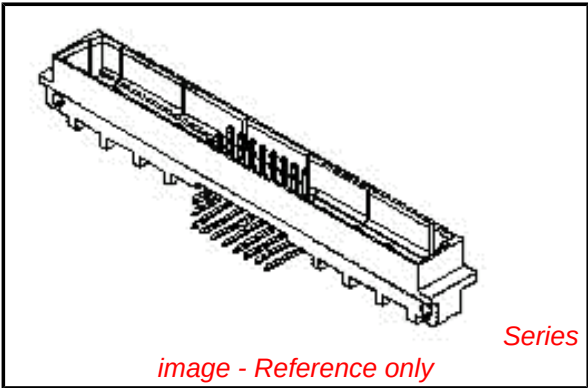
Physical

Circuits (Loaded) 48
Circuits (maximum) 48
Circuits Detail 42 + 6
Durability (mating cycles max) 400
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part Yes
Number of Columns 14
Number of Pairs Open Pin Field
Number of Rows 3
Orientation Right Angle
PC Tail Length (in) 0.118 In
PC Tail Length (mm) 3.00 mm
PCB Locator No
PCB Retention None
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
Temperature Range - Operating -55°C to +125°C

Electrical

Current - Maximum per Contact 1.5A
Data Rate 622.0 Mbps
Voltage - Maximum 250V AC (RMS)

Material Info



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
[85009Series](#)

Mates With
DIN 41612/IEC 603-2 Mixed Layout
Connector [85048](#) , [85056](#)

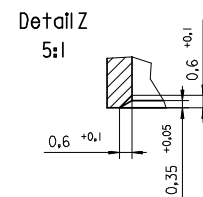
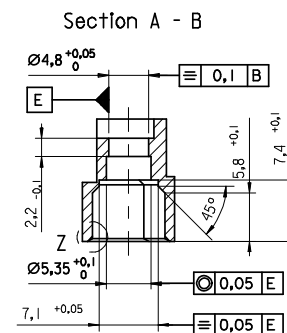
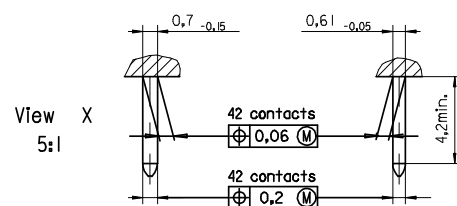
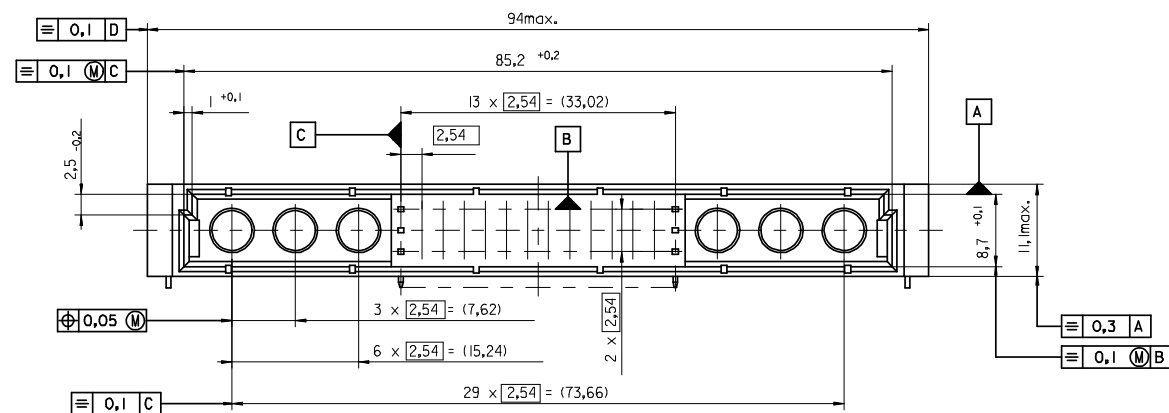
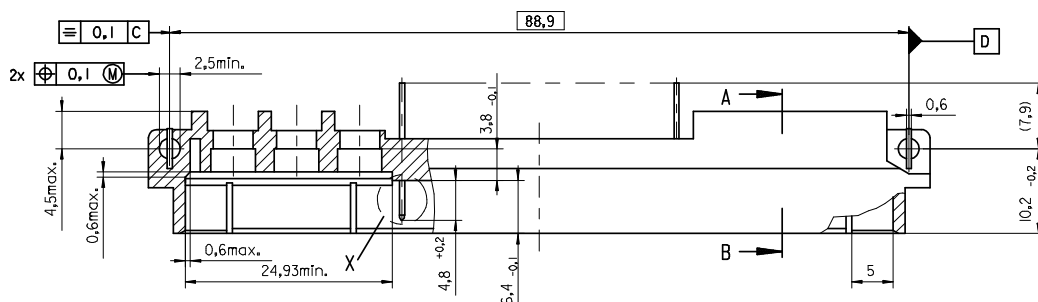
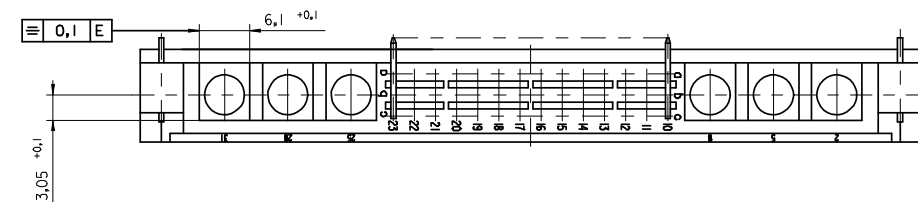
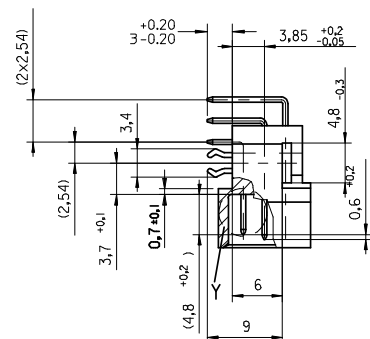
Use With
[85023](#) DIN 41612 Coaxial Contact

Reference - Drawing Numbers

Packaging Specification	PK-85009-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85009-0002, SDA-85009-0048

This document was generated on 05/17/2010

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ENTER DESCRIPTION	EC NO: I2009-00739	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRWNSJ	▽=0	mm INCH	DRAWN BY DATE	TITLE		
	CHKD:KPPASAO	▽=0	4 PLACES ± --- ± ---	CA 1995/06/12	42POS.		
	APPR:KPPASAO		3 PLACES ± --- ± ---	CHECKED BY DATE	MALE DIN CONNECTOR		
	REV		2 PLACES ± --- ± ---	KN 1995/06/12	DIN 41612 STYLE M		
			1 PLACE ± --- ± ---	APPROVED BY DATE	MOLEX MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			KN 1995/06/12	MATERIAL NO. -----	DOCUMENT NO. SDA-85009-0002	SHEET NO. 1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

VIEW ON MATING SIDE

[illegible]

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|---|---|----|----------|----------|-------|
| A | = | 14 | STANDARD | CONTACTS | L = 3 |
| B | = | 14 | STANDARD | CONTACTS | L = 3 |
| C | = | 14 | STANDARD | CONTACTS | L = 3 |

S = 42 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85009-0002 sht.1
Technical Data	PS-85003-0001

C	G2/0	c10-23
B	G2/0	b10-23
A	G2/0	a10-23
Contact symbol	Per form. level	Contact position number

C	see ECN No. 2204 96/07/18 Cd	LTR	REVISIONS		FOR PREVIOUS REVISIONS SEE MRJ LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$				DRAWG BY SIGN	SIGN	REVISION ONLY ON CAD SYSTEM		SH.	REV.	
			3 PLACE $\pm$.		INCH		METRIC	Ca									
			2 PLACE $\pm$.		CHK'D BY												
			1 PLACE $\pm$.			KN											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APP'D BY			SIGN		TITLE 42 pos. Male connector acc. DIN 41612 style M contacts arrangement								
		DESIGN DIMENSION		☐ MM ☐ IN.		SCALE				PART NO.		DWG NO.		SIZE			
		EQUIVALENT DIMENSION		☐ MM ☐ IN.		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				85009-0048		SDA-85009-0048		A			
										CAD/CAM PROJECT NAME s8500900 s41		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					