

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850090737

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, 0.6µm (24 µ") Selective Gold (Au), with 4 First-Mate-Last-Break Pins, 48 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-85003-0001 \(PDF\)](#)

[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	Yes
Flammability	94V-0
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

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

85009Series

Mates With

85048 , 85056

Use With

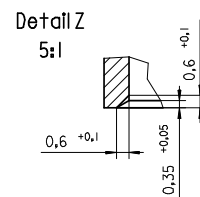
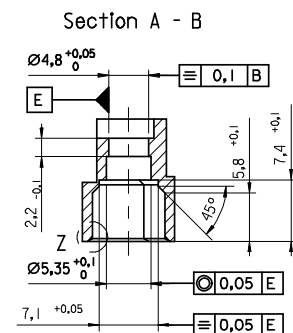
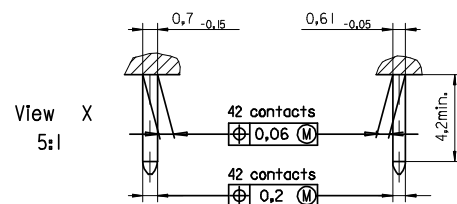
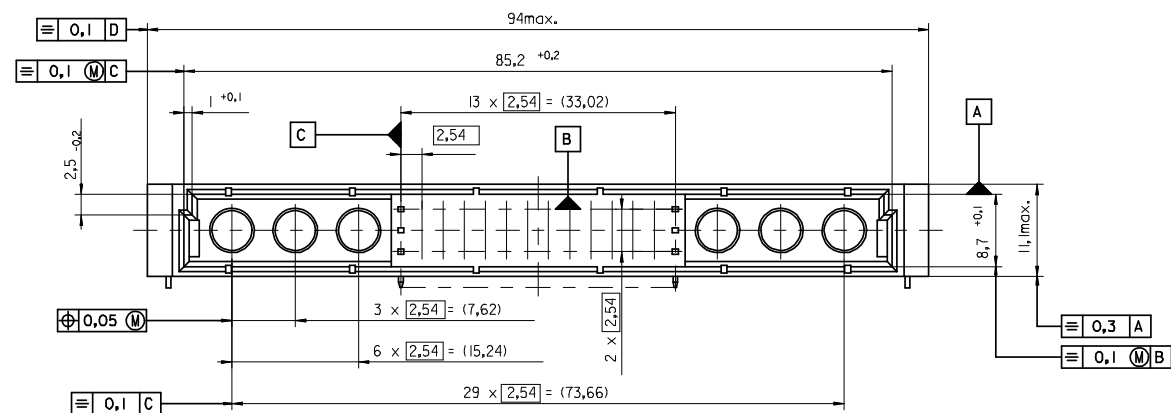
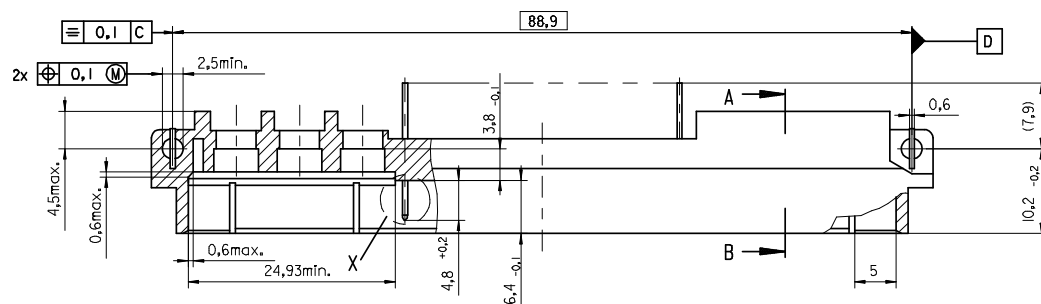
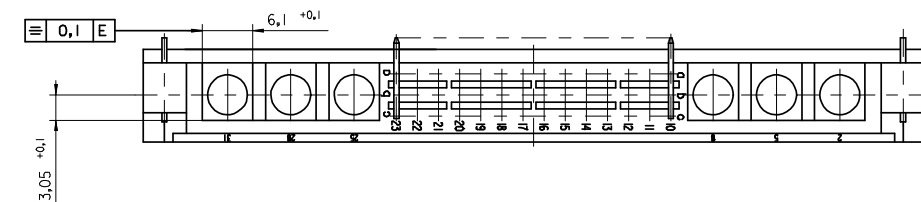
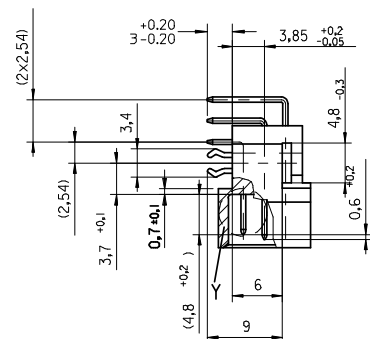
85023

Reference - Drawing Numbers

Packaging Specification	PK-85009-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85009-0002, SDA-85009-0737

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ENTER DESCRIPTION	EC NO.: I2009-0039			DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
	2008/07/28					mm		INCH		DRAWN BY		DATE		TITLE	
	2008/07/31					4 PLACES ± ---		± ---		CA		1995/06/12			
	2008/08/11					3 PLACES ± ---		± ---		CHECKED BY		DATE			
						2 PLACES ± ---		± ---		KN		1995/06/12			
						1 PLACE ± ---		± ---		APPROVED BY		DATE			
										KN		1995/06/12			
						ANGULAR ± 2 °				MATERIAL NO.		DOCUMENT NO.			
										-----		SDA-85009-0002			
42POS. MALE DIN CONNECTOR DIN 41612 STYLE M															
MOLEX MOLEX INCORPORATED															
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 | = | 12 | STANDARD | CONTACTS | L = 3 |
| B | = | 14 | STANDARD | CONTACTS | L = 3 |
| C | = | 12 | STANDARD | CONTACTS | L = 3 |
| Z | = | 2 | FMLB | CONTACTS | L = 3 |
| X | = | 2 | FMLB | 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 stht.l
Technical Data	PS-85003-0001

X	G2/0	c10,23
Z	G2/0	a10,23
C	G2/0	c11-22
B	G2/0	b10-23
A	G2/0	a11-22
Contact symbol	Perform. level	Contact position number

C	LTR	REVISIONS		FOR PREVIOUS REVISIONS SEE MRJ LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRAWG BY	SIGN	CAD/CAM PROJECT NAME		SH.	REV.		
		96/07/18 Cd		see ECN No. 2204		s8500907				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				INCH		Ca									
		3 PLACE $\pm$.		METRIC											
		2 PLACE $\pm$.		3 PLACE $\pm$.		CHK'D BY		SIGN		TITLE 42 pos. Male connector acc. DIN 41612 style M contacts arrangement					
		1 PLACE $\pm$.		KN		APP'D BY		SIGN							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
		DESIGN DIMENSION		☐ MM ☐ IN.		SCALE				MOLEX® MOLEX EUROPE		SHEET NO. 1 OF 1		DATE 95/06/08	
		EQUIVALENT DIMENSION		☐ MM ☐ IN.						PART NO.		DWG NO.		SIZE	
		IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY								85009-0737		SDA-85009-0737		A	