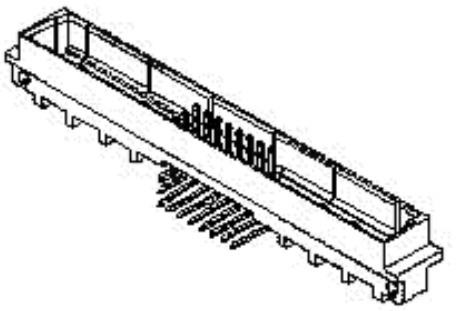
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Part Number: 0850090359
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612/EIC 603-2 Mixed Layout Connector, Male Style M , Right Angle, Through Hole, 1µm (40µ") Selective Gold (Au), 80 Circuits



Series image - Reference only

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)	80
Circuits (maximum)	80
Circuits Detail	78 + 2
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Number of Columns	26
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	1A
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
DIN 41612/IEC 603-2 Mixed Layout Connector 85048 , 85056

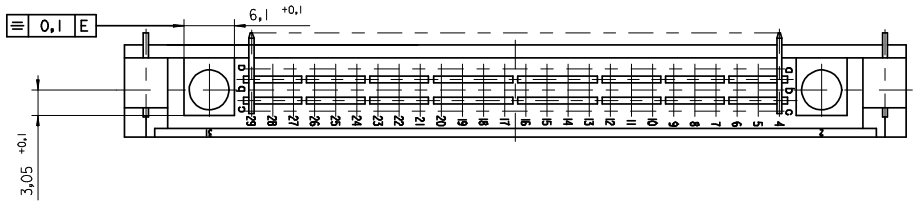
Use With
85023 DIN 41612 Coaxial Contact

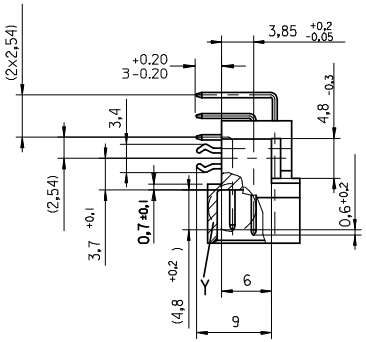
Reference - Drawing Numbers

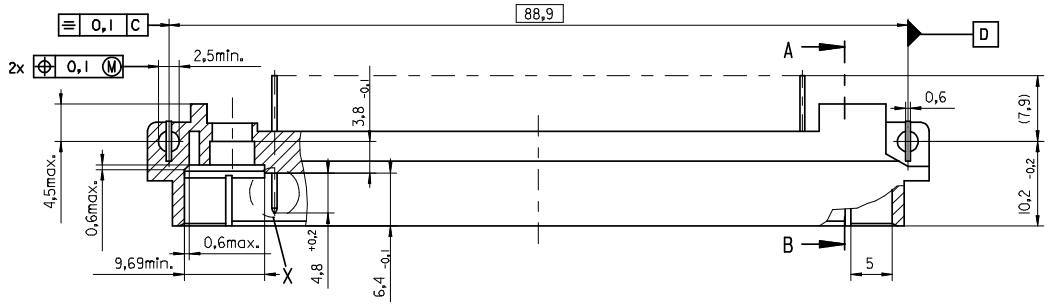
Packaging Specification	PK-85009-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85009-0004, SDA-85009-0359

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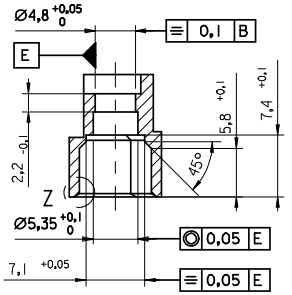
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

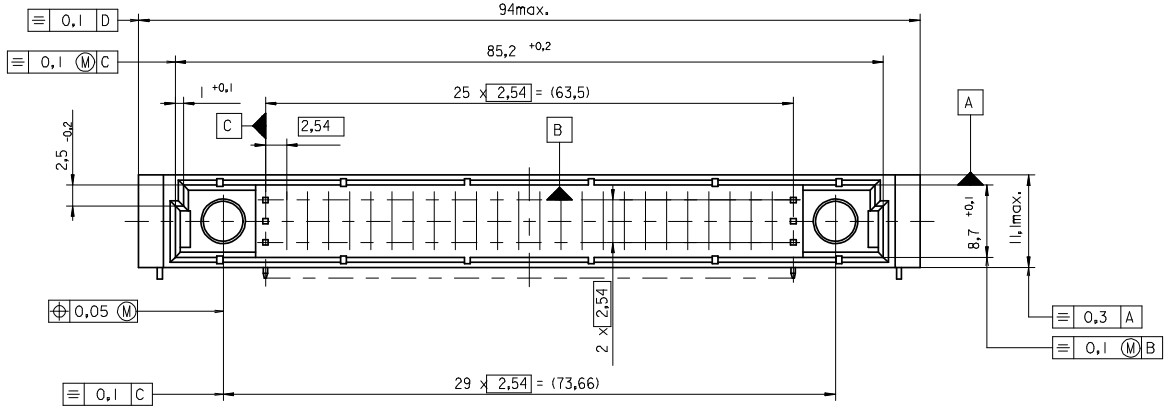




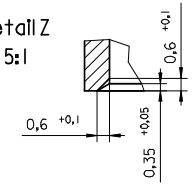


Section A - B

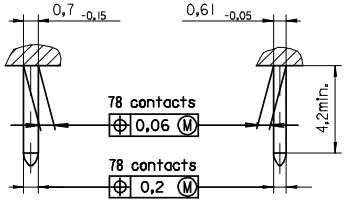




Detail Z
5:1



View X
5:1



View Y
5:1

ENTER DESCRIPTION	2008/07/28	
EC NO: I2009-0039	2008/07/31	
DRWN:SJ	2008/08/11	DESCRIPTION
CHKD:KPRASAD		
APPR:KPRASAD		
B		REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

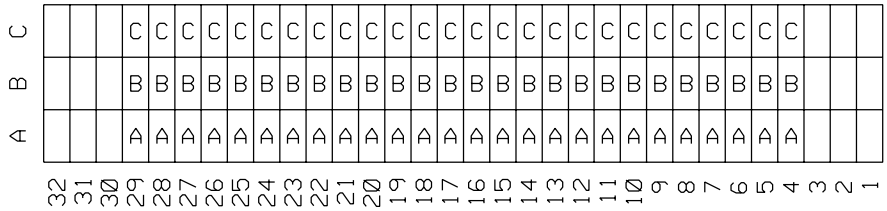
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	CA
DATE	1995/06/13
CHECKED BY	KN
DATE	1995/06/13
APPROVED BY	KN
DATE	1995/06/13
MATERIAL NO.	---------
TITLE	78POS. MALE DIN CONNECTOR DIN 41612 STYLE M
	MOLEX INCORPORATED
DOCUMENT NO.	SDA-85009-0004
SHEET NO.	1 OF 2
SIZE	A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

VIEW ON MATING SIDE



A = 26 STANDARD CONTACTS L=3
B = 26 STANDARD CONTACTS L=3
C = 26 STANDARD CONTACTS L=3

S = 78 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	GI/O = Contact area level I / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85009-0004 sht.1
TechnicalData	PS-85003-0001

C	GI/O	c4-29
B	GI/O	b4-29
A	GI/O	a4-29
Contact symbol	Perform. level	Contact position number

LTR	REVISIONS	see ECN No. 2204 96/07/18 Ca
C	FOR PREVIOUS REVISIONS SEE MRI LIST	

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	METRIC
3 PLACE	± .	±
2 PLACE	± .	±
1 PLACE	± .	±

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	Ca	SIGN
CHK'D BY	KN	SIGN
APP'D BY		SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8500903 s51

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TITLE: 78 pos. Male connector acc. DIN 41612 style M contacts arrangement

MOLEX EUROPE

SHEET NO.	DATE
1 OF 1	95/06/09

PART NO.	DWG NO.	SIZE
85009-0359	SDA-85009-0359	A