

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850091110

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 M Style Male Header, Right Angle, Through Hole, 28 Circuits, with Mounting Clips, No Flux Proof

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85009
Application	Backplane
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	M
Physical	
Circuits (Loaded)	28
Circuits (maximum)	42
Circuits Detail	Standard Contacts at: A:a10-a23, C:c10-c23
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	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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	Yes
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)	0.60
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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](#)

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

1A

Data Rate

622.0 Mbps

Voltage - Maximum

250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification

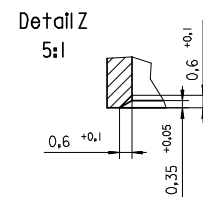
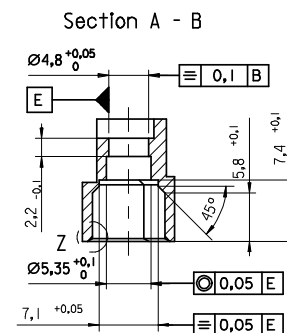
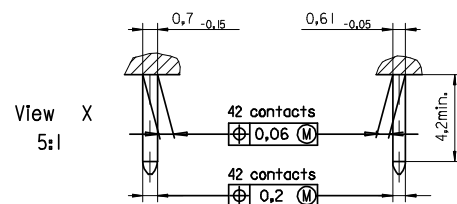
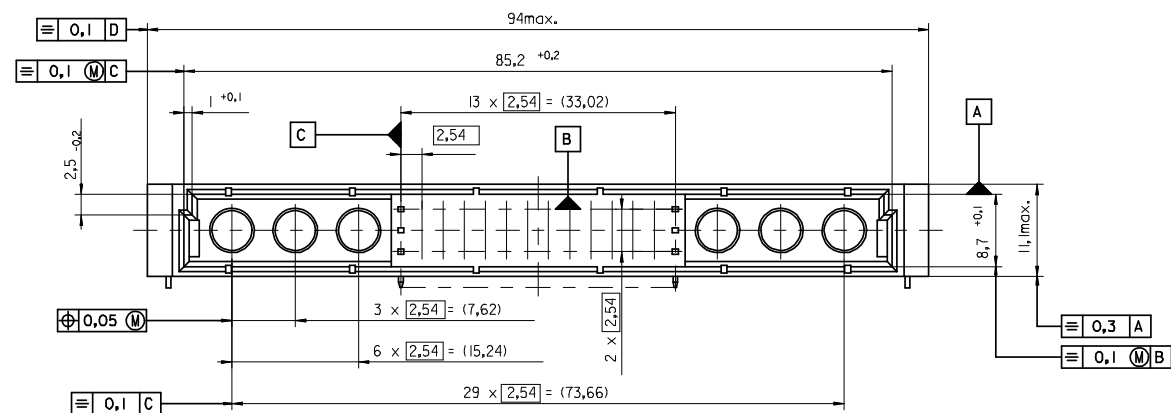
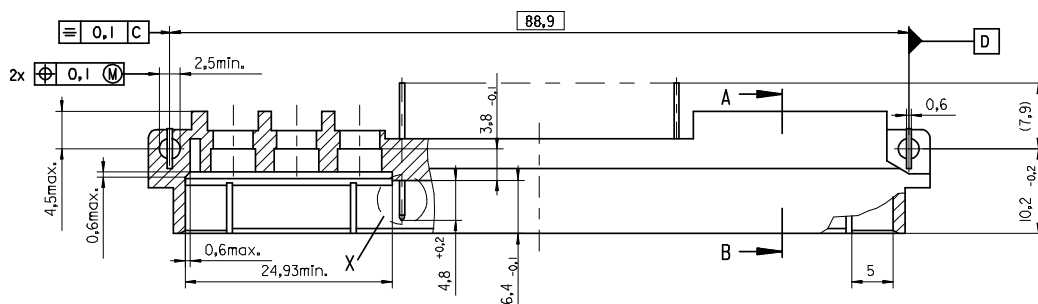
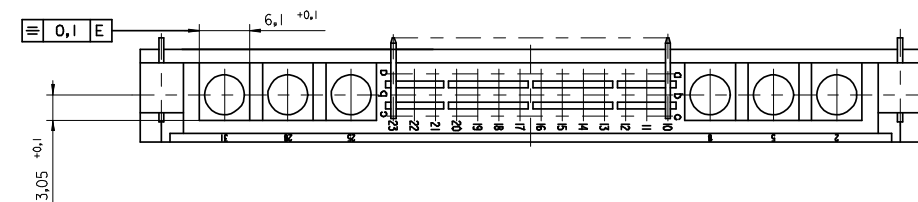
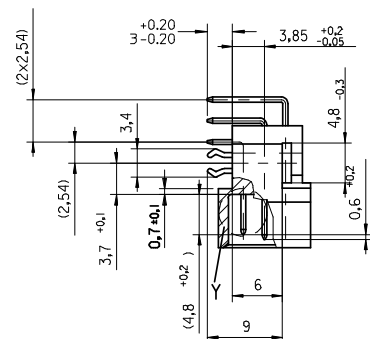
PK-85009-001

Sales Drawing

SDA-85009-0002, SDA-85009-1110

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



ENTER DESCRIPTION		EC NO: 12009-0039		2008/07/28		2008/07/31		2008/08/11																																									
		DRWMSJ		CHKD:KPPASAO		APPR:KPPASAO																																											
REV		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY																																									
				▽=0 ◻=0		<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 2 °</td></tr></table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	ANGULAR ± 2 °			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>CA</td><td>1995/06/12</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>KN</td><td>1995/06/12</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>KN</td><td>1995/06/12</td></tr><tr><td>MATERIAL NO.</td><td>-----</td></tr></table>		DRAWN BY	DATE	CA	1995/06/12	CHECKED BY	DATE	KN	1995/06/12	APPROVED BY	DATE	KN	1995/06/12	MATERIAL NO.	-----	<table><tr><td>SCALE</td><td>DESIGN UNITS</td><td>THIRD ANGLE PROJECTION</td></tr><tr><td>2:1</td><td>METRIC</td><td></td></tr></table>		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	2:1	METRIC	
	mm	INCH																																															
4 PLACES	± ---	± ---																																															
3 PLACES	± ---	± ---																																															
2 PLACES	± ---	± ---																																															
1 PLACE	± ---	± ---																																															
ANGULAR ± 2 °																																																	
DRAWN BY	DATE																																																
CA	1995/06/12																																																
CHECKED BY	DATE																																																
KN	1995/06/12																																																
APPROVED BY	DATE																																																
KN	1995/06/12																																																
MATERIAL NO.	-----																																																
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																																															
2:1	METRIC																																																
				TITLE		42POS. MALE DIN CONNECTOR DIN 41612 STYLE M																																											
				 MOLEX INCORPORATED																																													
				DOCUMENT NO.		SDA-85009-0002		SHEET NO. 1 OF 3																																									
				SIZE A 2 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																																													

View on mating side

[illegible]

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

A = 14 standard contacts L=3

$C = 14$ standard contacts $L = 3$

$S = 28$ total number of contacts

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

C	G2/0	c10-23	
A	G2/0	a10-23	
Contact symbol	Perform. level	Contact position number	

first release	ECN No. MC2000-0454	REVISIONS	FOR PREVIOUS REVISIONS SEE MFL LIST			UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY		SIGN	CAD/CAM PROJECT NAME		REVISE ONLY ON CAD SYSTEM		SH.	REV.
			INCH	METRIC	3 PLACE $\pm$	$\pm$	CHK'D BY	TITLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
						2 PLACE $\pm$	$\pm$		Ca			42 pos. Male connector acc. DIN 41612 style M contacts arrangement				
						1 PLACE $\pm$	$\pm$	Er								
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY								
						DESIGN DIMENSION ☒ MM ☐ IN.		FB				MOLEX* EUROPE		SHEET NO.	DATE	
						EQUIVALENT DIMENSION ☐ MM ☐ IN.		SCALE				PART NO.		DWG NO.	SIZE	
A						IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY						85009-1110		SDA-85009-1110		A