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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

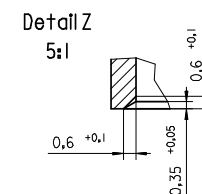
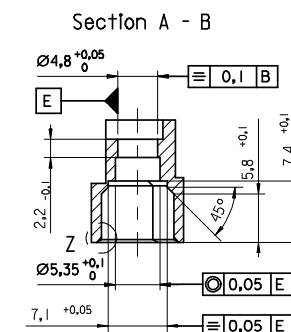
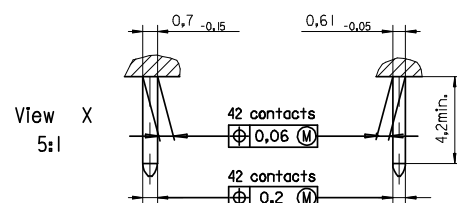
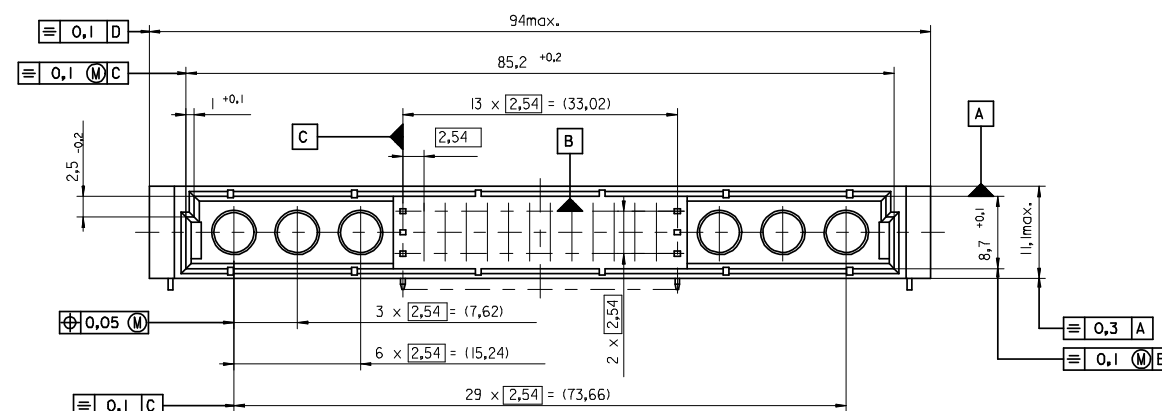
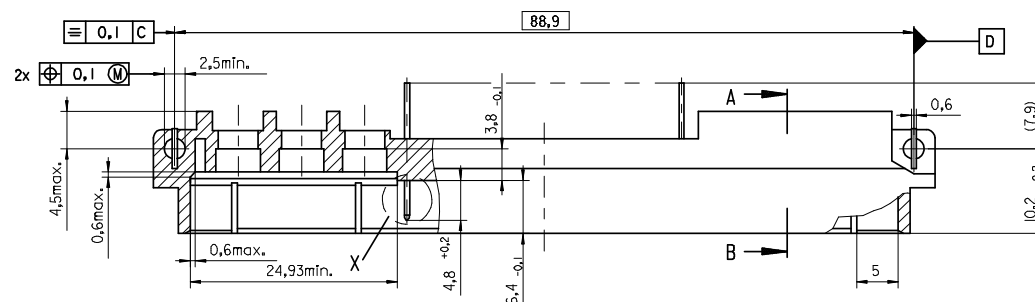
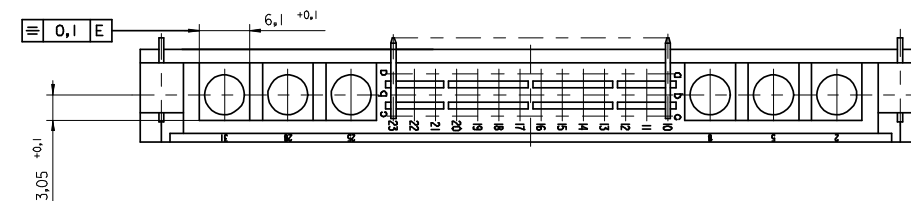
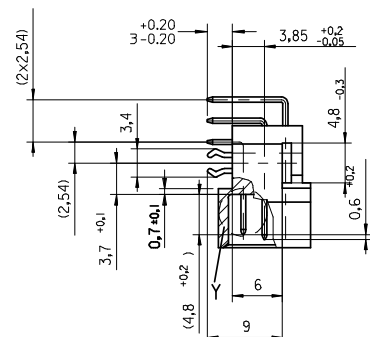
PK-85009-001

Sales Drawing

SDA-85009-0002, SDA-85009-1110

This document was generated on 05/17/2010

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ENTER DESCRIPTION EC NO: I2009-0039 DRWN: SJ CHKD: KPRASAD APPR: KPRASAD 2008/07/28 2008/07/31 2008/08/11	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		▽=0 ▽C=0		mm INCH	DRAWN BY DATE	TITLE		42POS. MALE DIN CONNECTOR DIN 41612 STYLE M		
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	CA 1995/06/12 KN 1995/06/12 KN 1995/06/12	MOLEX MOLEX INCORPORATED					
			ANGULAR ± 2 °	MATERIAL NO. -----	DOCUMENT NO. SDA-85009-0002		SHEET NO. 1 OF 3			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	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

$C = 14$ 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 $\pm$.	$\pm$	3 PLACE $\pm$.	$\pm$									
			2 PLACE $\pm$.	$\pm$	2 PLACE $\pm$.	$\pm$									
				1 PLACE $\pm$.	$\pm$	1 PLACE $\pm$.	$\pm$	Er			TITLE	42 pos. Male connector acc. DIN 41612 style M contacts arrangement			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					APP'D BY	SIGN		MOLEX* MOLEX EUROPE		SHEET NO.	DATE	
			DESIGN DIMENSION ☒ MM ☐ IN.					FB			1 OF 1		00/06/16		
			EQUIVALENT DIMENSION ☐ MM ☐ IN.					SCALE			85009-1110		DWG NO.	SIZE	
A		LTR	IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY								85009-1110		SDA-85009-1110	A	