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Part Number: [0850520189](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R Reverse, 64 Circuits

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

Physical

Circuits (Loaded) 64
Circuits (maximum) 96
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 32
Number of Pairs Open Pin Field
Number of Rows 3
Orientation Right Angle
PC Tail Length (in) 0.110 In
PC Tail Length (mm) 2.80 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In, 0.126 In
PCB Thickness Recommended (mm) 1.60 mm, 3.20 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
Polarized to PCB Yes
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -55°C to +125°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1A
Data Rate 622.0 Mbps
Real Signals (per 25mm) 30
Voltage - Maximum 250V AC (RMS)

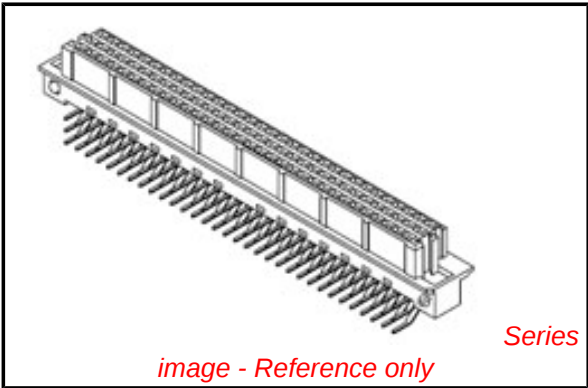


image - Reference only

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
[85052Series](#)

Mates With
DIN 41612 Headers [85003](#) , [85013](#)

Material Info

Reference - Drawing Numbers

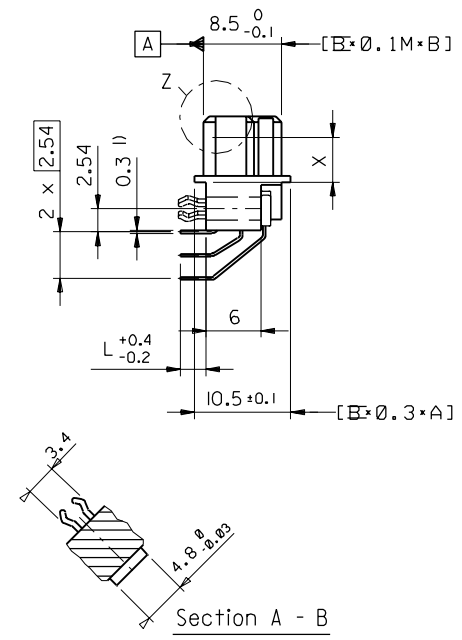
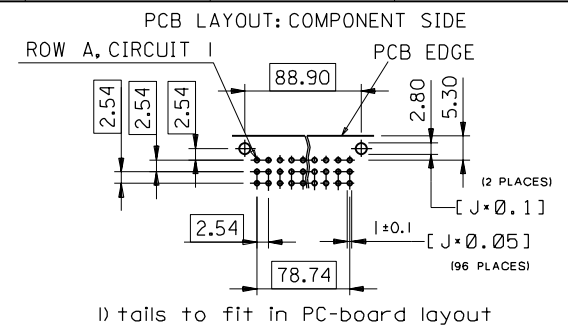
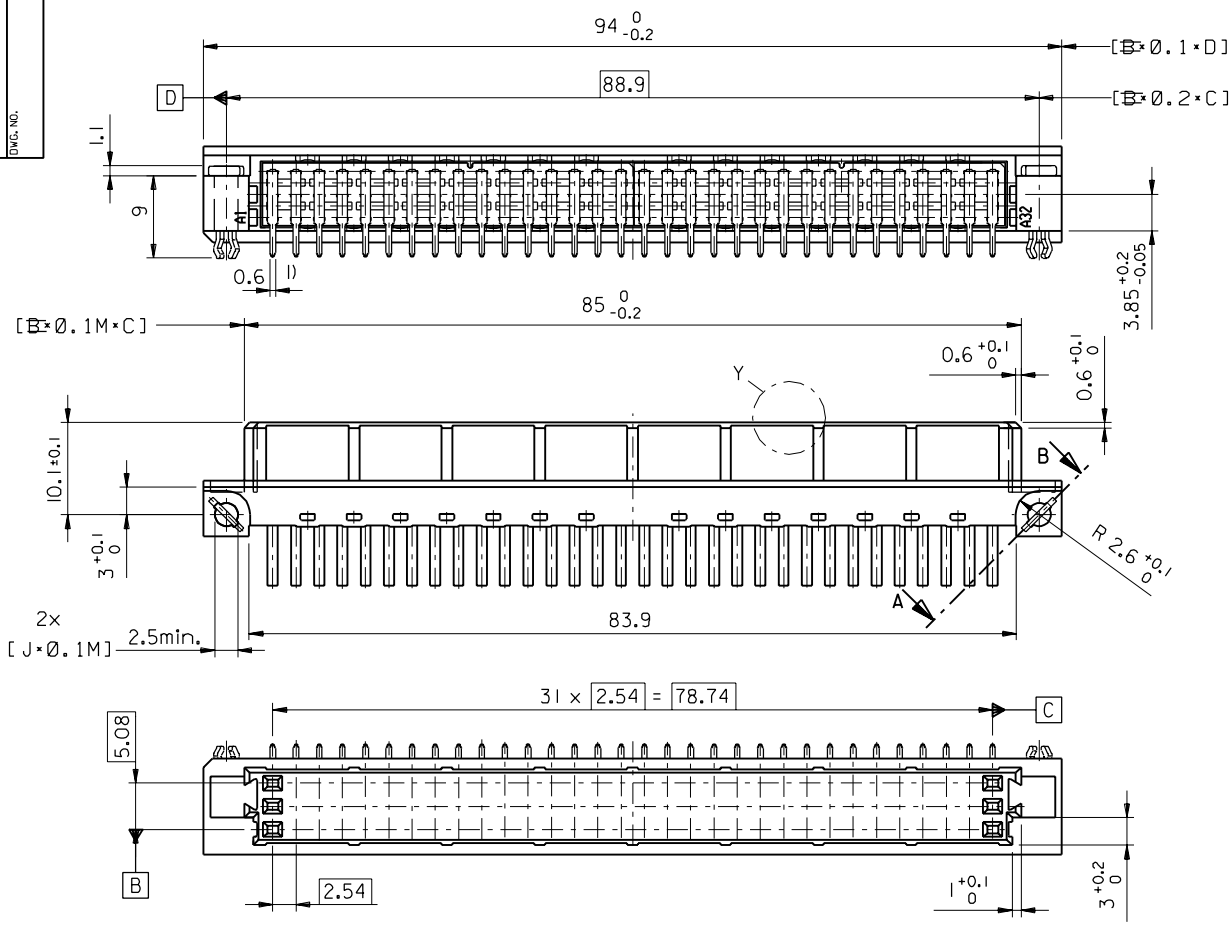
Sales Drawing

SDA-85052-0001, SDA-85052-0189

This document was generated on 05/17/2010

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PART NO.
DWG. NO.



ECN MG1998-2586		hole pattern/L + 0.4-0.2		97-09-15 KN		REVISONS		FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		2	BI
BI		LTR		FOR PREVIOUS REVISIONS SEE MRI LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°		DRWG BY KN		CAD/CAM PROJECT NAME 85052000 611		SH.	REV.
						INCH		SIGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
						METRIC		CHK'D BY Ca		TITLE 96 pos. female connector DIN 41612 style R + clip Dimensions			
								APP'D BY JB		MOLEX MOLEX EUROPE		SHEET NO. DATE 1 OF 2 96/04/25	
								SCALE 2:1		PART NO.		DWG NO. SDA-85052-0001	
												SIZE B	

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	5	4	3	2																
F	VIEW ON MATING SIDE																			
C	C	C	C	C	C															
A	A	A	A	A	A															
S	S	S	S	S	S															
A = 32 CONTACTS L=2,8																				
C = 32 CONTACTS L=2,8																				
S = 64 TOTAL NUMBER OF CONTACTS																				
Marking	Standard																			
Performance level	GI/O = Contact area level I / Termination tin																			
Flux proof	no																			
Fixing clip	no																			
Dimensions	SDA-85052-000I sht.I																			
Technical Data	PS-85052-000I																			
C	C	GI/O	cI-32																	
A	A	GI/O	aI-32																	
Contact symbol	Perform.	Contact position number																		
B																				
first release see ECN No. 2154		REVISIONS		FOR PREVIOUS REVISIONS SEE MRI LIST																
A	LTR	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° INCH METRIC <table border="1"><tr><td>3 PLACE</td><td>± .</td><td>±</td></tr><tr><td>2 PLACE</td><td>± .</td><td>±</td></tr><tr><td>1 PLACE</td><td>± .</td><td>±</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS <table border="1"><tr><td>DESIGN DIMENSION</td><td>☐ MM</td><td>☐ IN.</td></tr><tr><td>EQUIVALENT DIMENSION</td><td>☐ MM</td><td>☐ IN.</td></tr></table> IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION LOWER IS SECONDARY		3 PLACE	± .	±	2 PLACE	± .	±	1 PLACE	± .	±	DESIGN DIMENSION	☐ MM	☐ IN.	EQUIVALENT DIMENSION	☐ MM	☐ IN.	DRWG BY SIGN Cα	
3 PLACE	± .	±																		
2 PLACE	± .	±																		
1 PLACE	± .	±																		
DESIGN DIMENSION	☐ MM	☐ IN.																		
EQUIVALENT DIMENSION	☐ MM	☐ IN.																		
REVISE ONLY ON CAD SYSTEM		CAD/CAM PROJECT NAME S8505201 s8I	TITLE 96 pos. female connector acc.DIN 41612 style R contacts arrangement	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
SH. REV.			SHEET NO. DATE																	
PART NO.			DWG NO.																	
85052-0189			SDA-85052-0189 A																	
MOLEX EUROPE			I OF I 96/06/13																	

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