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Part Number: [0850520206](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R Reverse, 32 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

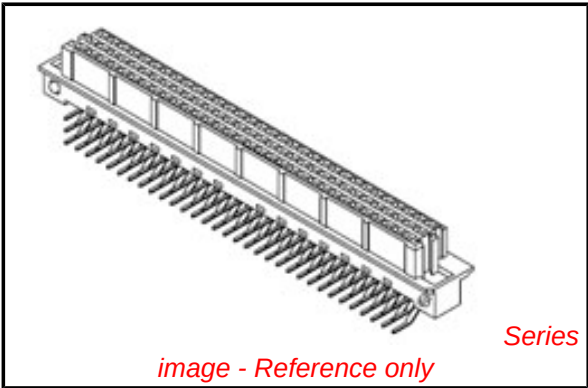
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

Physical

Circuits (Loaded) 32
Circuits (maximum) 96
Durability (mating cycles max) 400
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 2.5A
Data Rate 622.0 Mbps
Real Signals (per 25mm) 30
Voltage - Maximum 250V AC (RMS)



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
[85052Series](#)

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

Material Info

Reference - Drawing Numbers

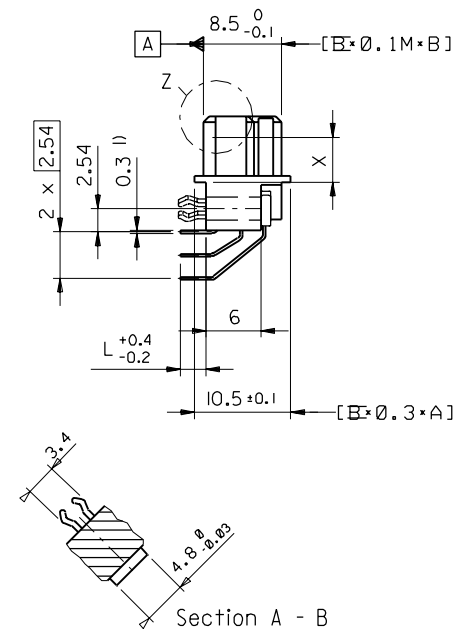
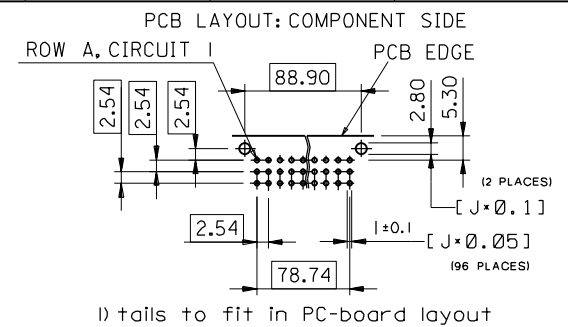
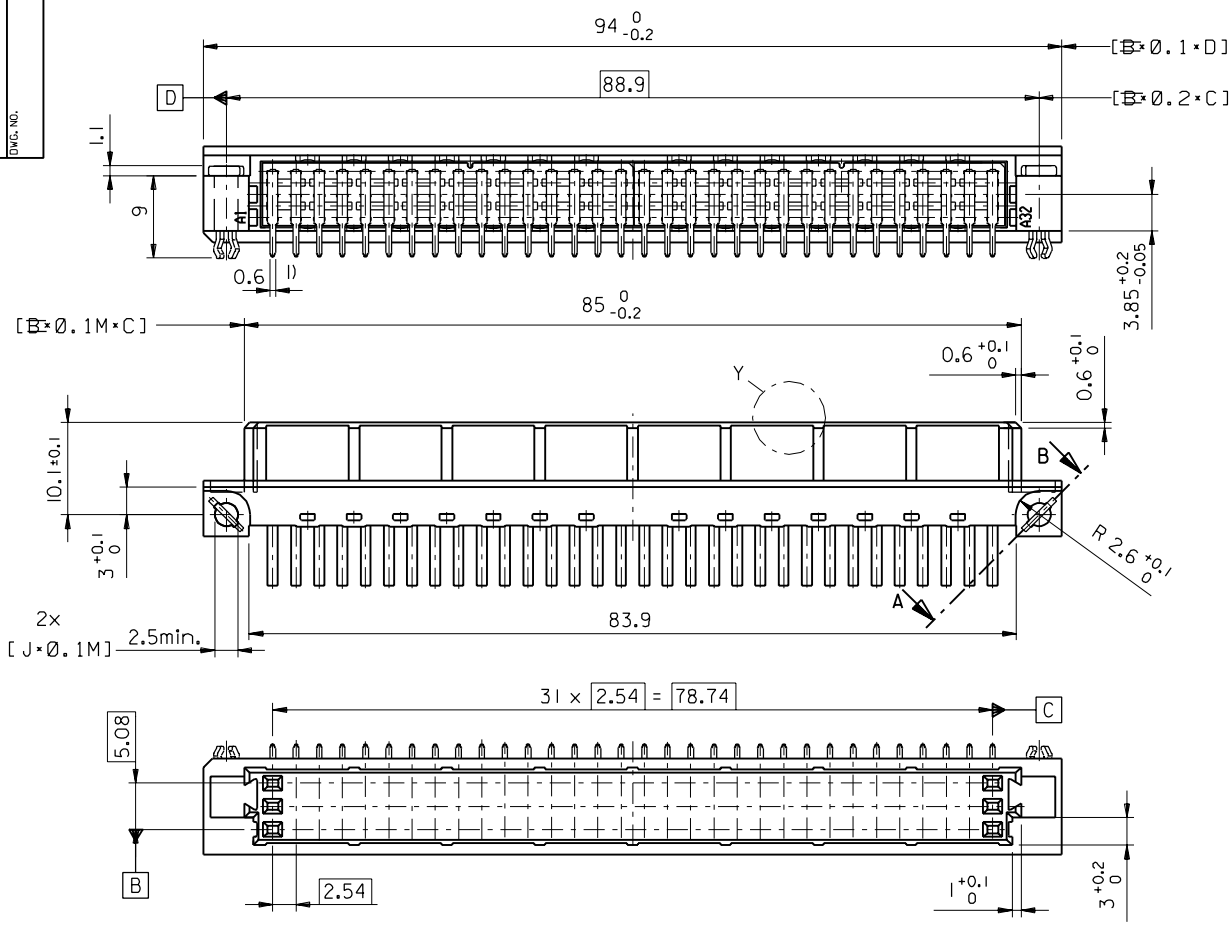
Sales Drawing

SDA-85052-0001, SDA-85052-0206

This document was generated on 05/17/2010

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PART NO.
DWG. NO.



FIRST ANGLE PROJECTION	
DRWG BY	KN
CHK'D BY	Ca
APP'D BY	JB
SCALE	2:1

REVISE ONLY ON CAD SYSTEM	
CAD/CAM PROJECT NAME 85052000 611	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
TITLE 96 pos. female connector DIN 41612 style R + clip Dimensions	
MOLEX MOLEX EUROPE	
PART NO.	DWG NO.
SDA-85052-0001	SDA-85052-0001
SHEET NO. 1 OF 2	DATE 96/04/25
SIZE B	REV. 2

ECN MG1998-2586 hole pattern/L + 0.4-0.2 97-09-15 KN	REVISIONS
BI	LTR

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° INCH METRIC	3 PLACE ± ±
2 PLACE ± ±	2 PLACE ± ±
1 PLACE ± ±	1 PLACE ± ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DESIGN DIMENSION ☒ MM
EQUIVALENT DIMENSION ☐ MM	☐ IN.
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY	☐ IN.

VIEW ON MATING SIDE

A	$\mathbb{C}$	$\mathbb{C}$	$\mathbb{C}$
B	$\mathbb{C}$	$\mathbb{C}$	$\mathbb{C}$
C	$\mathbb{C}$	$\mathbb{C}$	$\mathbb{C}$

1
2
3
4
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28
29
30
31
32

A = 16 CONTACTS L=2,8

$C = 16$ CONTACTS $L = 2,8$

S = 32 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85052-0001 sht.1
Technical Data	PS-85052-0001

C	G2/0	c2,4,6...32
A	G2/0	a2,4,6...32
Contact symbol	Perform. level	Contact position number

first release see ECN No. 2249	REVISIONS	FOR PREVIOUS REVISIONS SEE MFG LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm$ °		DRWG BY	SIGN	REVISE ONLY ON CAD SYSTEM		SH.	REV.
		INCH		METRIC							
		3 PLACE $\pm$.	$\pm$	CHK'D BY	SIGN	KN	TITLE	CAD/AM PROJECT NAME s8505202 s01	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SIZE	A
		2 PLACE $\pm$.	$\pm$								
A	LTR	1 PLACE $\pm$.		$\pm$	TB	APP'D BY	SIGN	MOLEX® MOLEX EUROPE	SHEET NO. 1 OF 1	DATE 96/09/17	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
		DESIGN DIMENSION ☐ MM ☐ IN.		EQUIVALENT DIMENSION ☐ MM ☐ IN.		SCALE		PART NO. 85052-0206	DWG NO. SDA-85052-0206		
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY											