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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

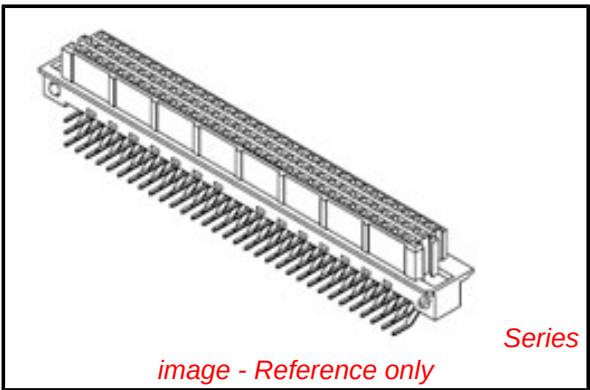
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

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**

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

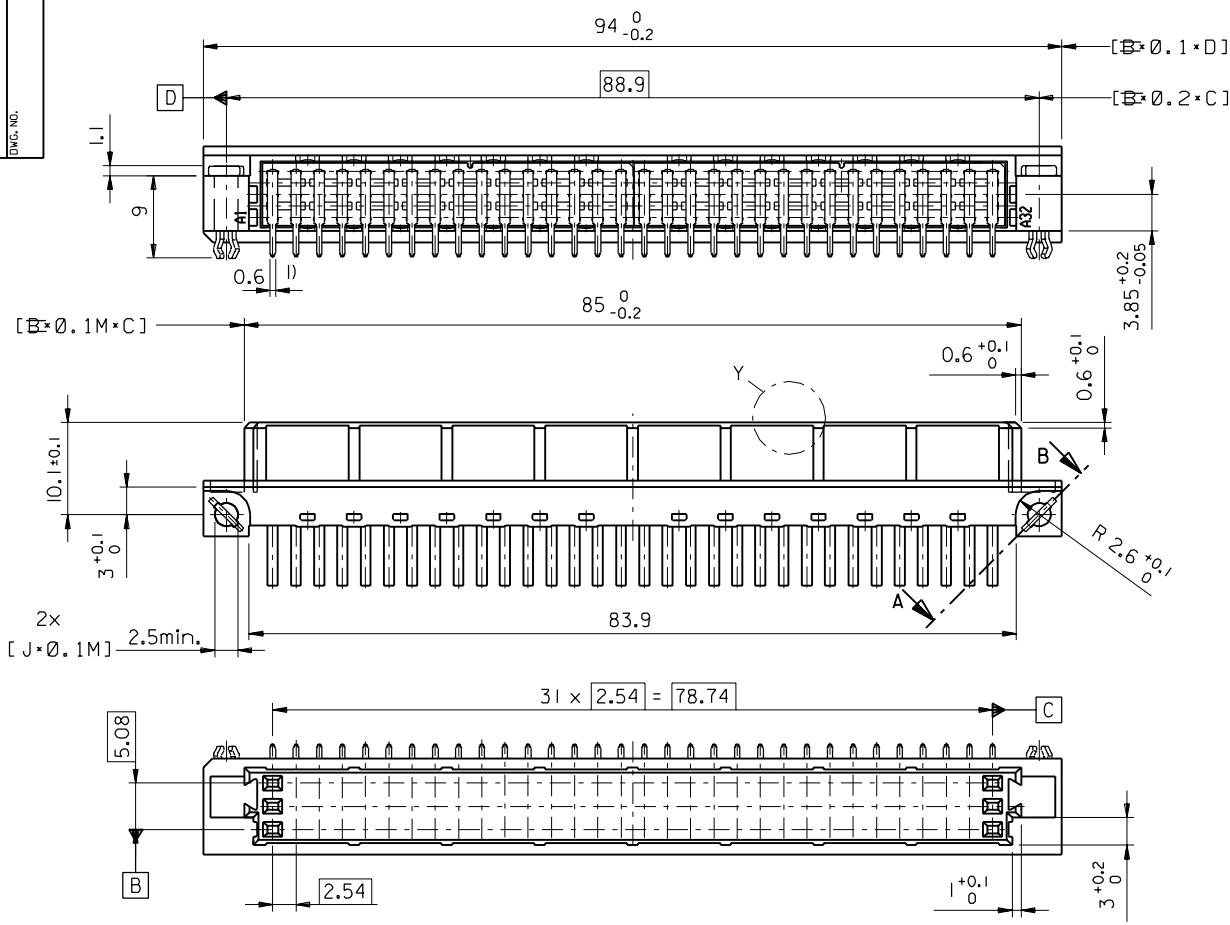
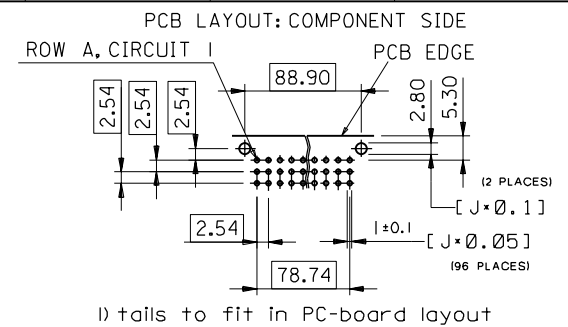
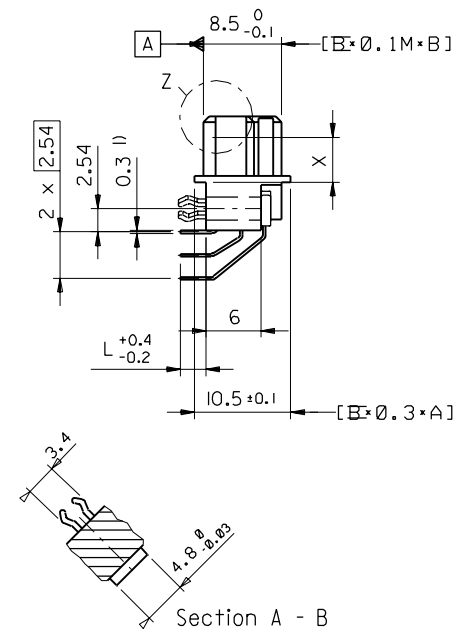
Sales Drawing

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	
SHEET NO. 1 OF 2	DATE 96/04/25
SIZE B	

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 ±	±	±
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		

VIEW ON MATING SIDE

[illegible]

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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 MFL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$				DRAWG BY KN	SIGN	CAD/CAM PROJECT NAME s8505202		REVISE ONLY ON CAD SYSTEM		SH.	REV.
		INCH		METRIC		s01				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		3 PLACE $\pm$.		$\pm$		CHK'D BY	SIGN	TITLE 96 pos. female connector acc. DIN 41612 style R contacts arrangement							
		2 PLACE $\pm$.		$\pm$											
1 PLACE $\pm$.		$\pm$		APP'D BY	SIGN	 MOLEX EUROPE SHEET NO. 1 OF 1 DATE 96/09/17									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															
DESIGN DIMENSION ☐ MM ☐ IN.				SCALE		PART NO. 85052-0206		DWG NO. SDA-85052-0206		SIZE A					
EQUIVALENT DIMENSION ☐ MM ☐ IN.				IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY											