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Part Number: [0850520050](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R Reverse, 96 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

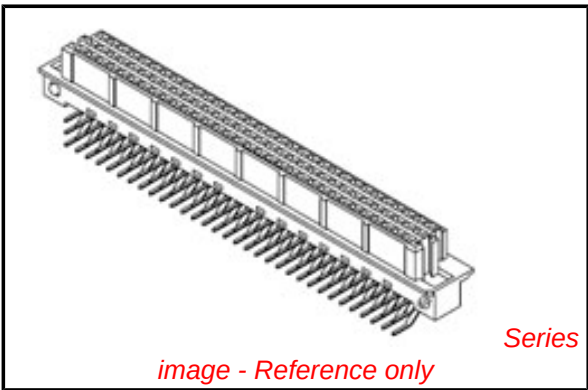
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

Physical

Circuits (Loaded) 96
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) 0.134 In
PC Tail Length (mm) 3.40 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)



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](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

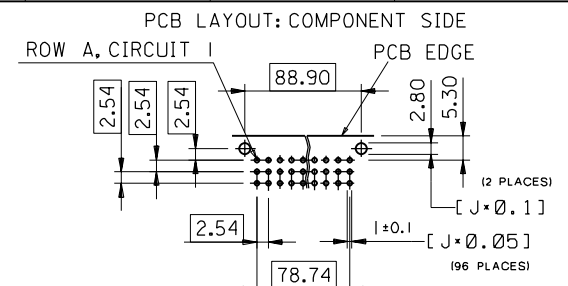
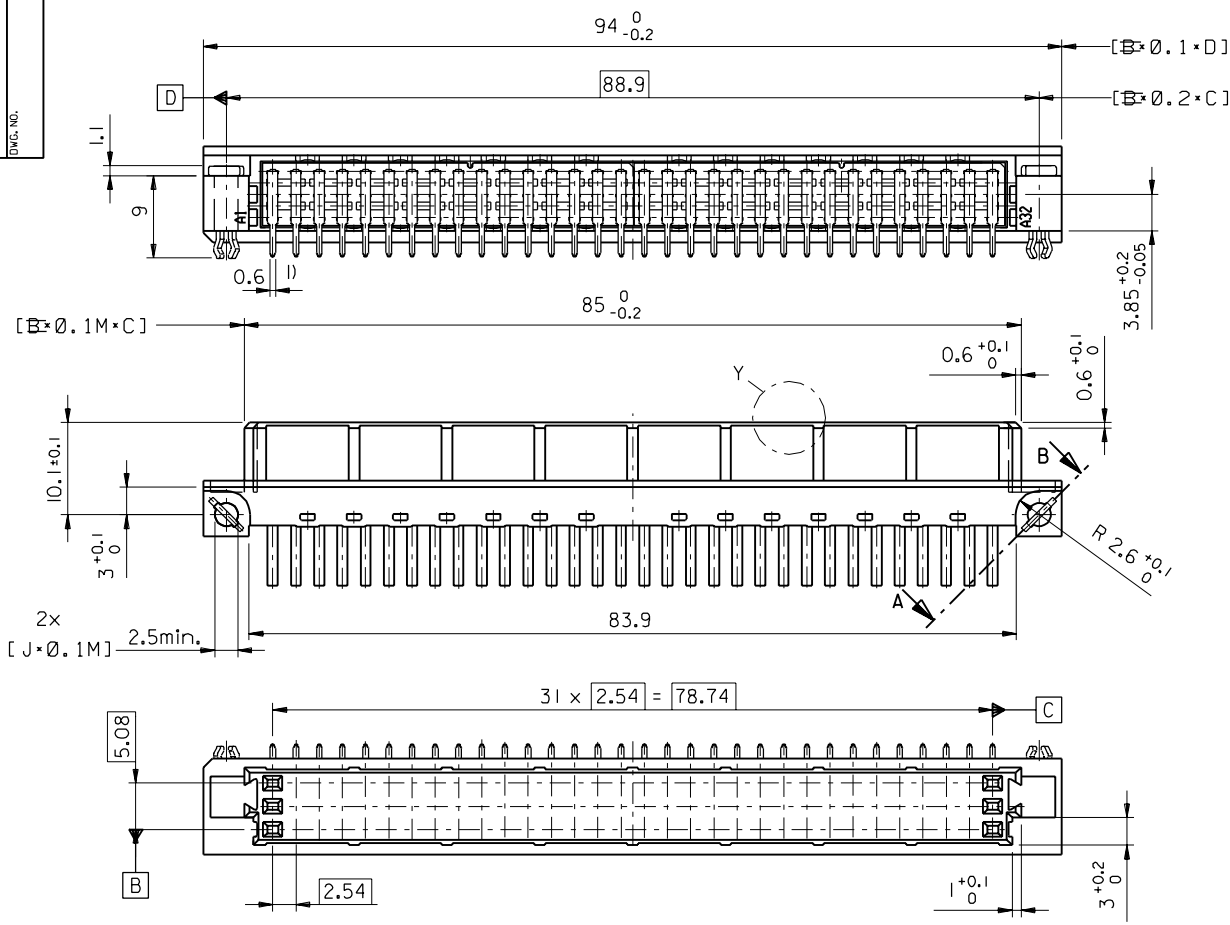
Reference - Drawing Numbers

Sales Drawing	SD-85052-0050, SDA-85052-0001
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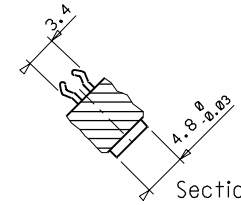
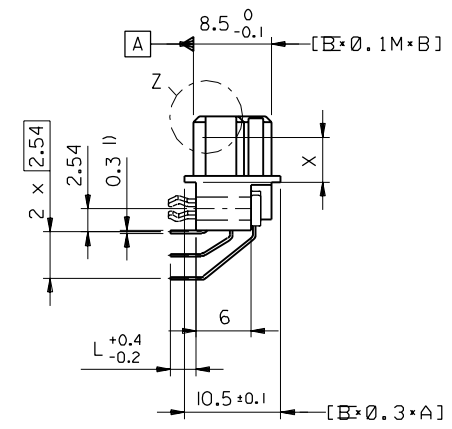
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PART NO.
DWG. NO.



1) tails to fit in PC-board layout



FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

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

REVISIONS	
FOR PREVIOUS REVISIONS SEE MRI LIST	
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	

DRWG BY	SIGN
KN	
CHK'D BY	SIGN
Ca	
APP'D BY	SIGN
JB	
SCALE	
2:1	

CAD/CAM PROJECT NAME	85052000
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	
SHEET NO.	DATE
1 OF 2	96/04/25
PART NO.	DWG NO.
SDA-85052-0001	
SIZE	
B	