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Part Number: [0850520725](#)
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

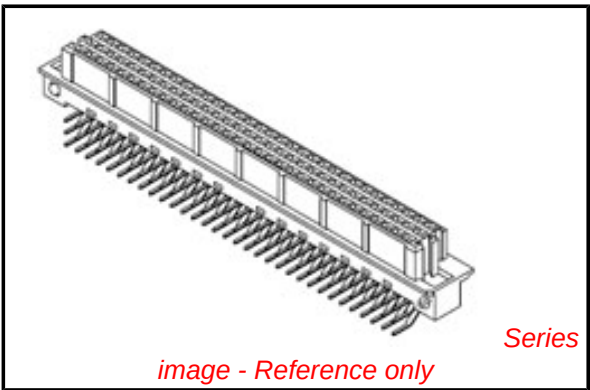
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R

Physical

Circuits (Loaded) 96
Circuits (maximum) 96
Durability (mating cycles max) 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)



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

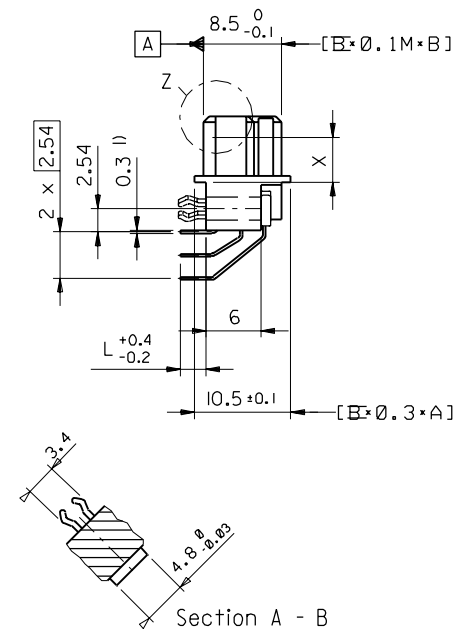
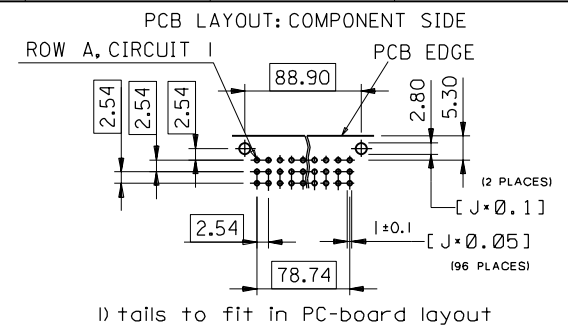
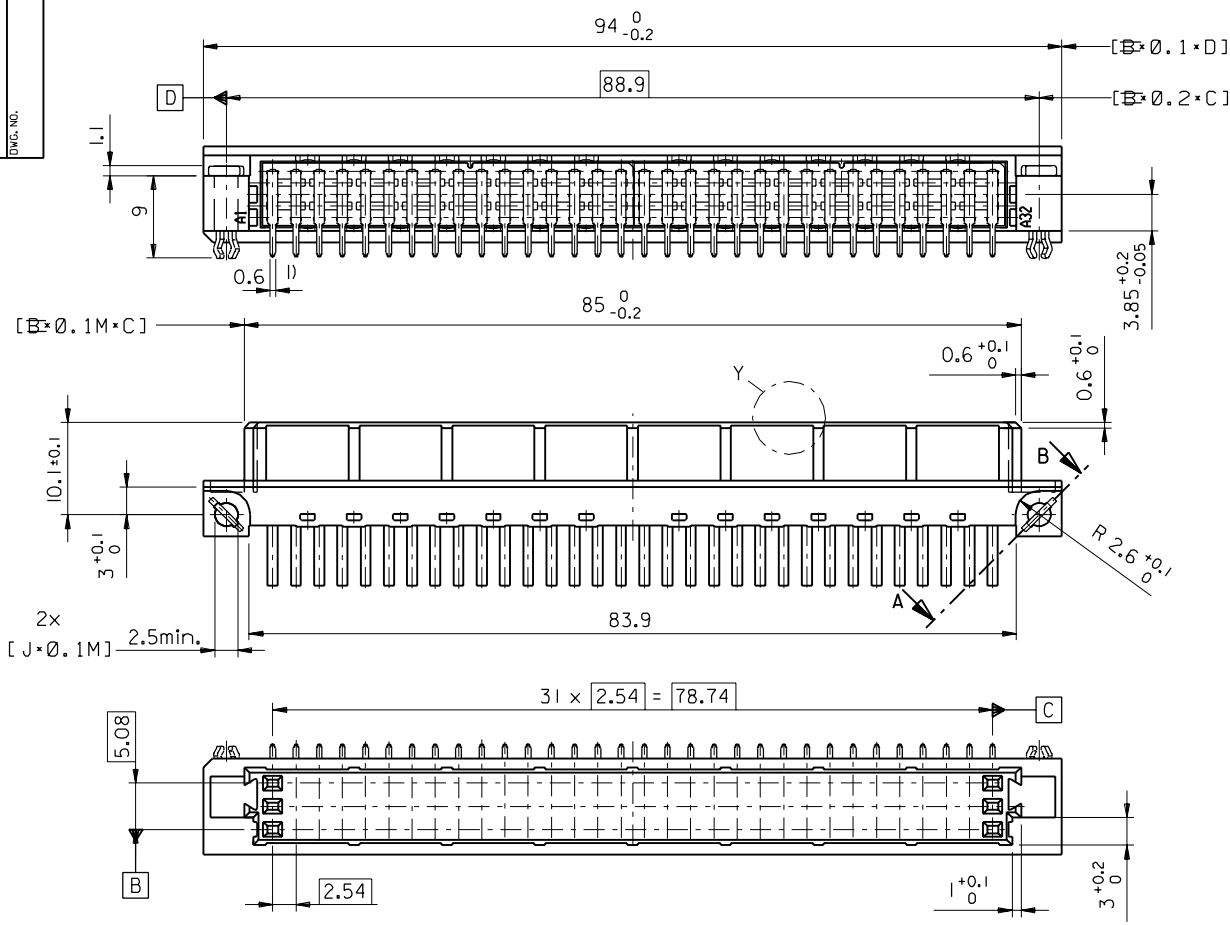
Reference - Drawing Numbers

Sales Drawing	SDA-85052-0001, SDA-85052-0725
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PART NO.
DWG. NO.



ECN MG1998-2586		hole pattern/L+0.4-0.2		97-09-15 KN		REVISONS		LTR		BI	
3 PLACE ±		±		±		3 PLACE ±		±		3 PLACE ±	
2 PLACE ±		±		±		2 PLACE ±		±		2 PLACE ±	
1 PLACE ±		±		±		1 PLACE ±		±		1 PLACE ±	
DESIGN DIMENSION		☒ MM		☐ IN.		EQUIVALENT DIMENSION		☐ MM		☐ IN.	
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY											
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		INCH		METRIC		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
DRWG BY		SIGN		CHK'D BY		SIGN		APP'D BY		SIGN	
KN				Ca				JB			
SCALE		2:1									
FIRST ANGLE PROJECTION											
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		SHEET NO.		DATE		1 OF 2		96/04/25			
PART NO.		DWG NO.		SDA-85052-0001		SIZE		B			
2		BI		SH.		REV.					

