

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850520593

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style R/2 Reverse, 48 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

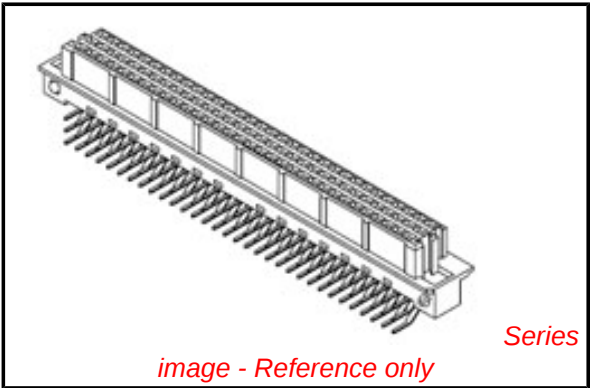
Product Family	Backplane Connectors
Series	85052
Application	Backplane
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
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	16
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](#)

Material Info

Reference - Drawing Numbers

Sales Drawing SD-85052-0593, SDA-85052-0002

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

⊂	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
⊃	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
⊄	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

⊂ ⊃ ⊄ ⊅ ⊆ ⊇ ⊈ ⊉ ⊊ ⊋ ⊌ ⊍ ⊎ ⊏ ⊐ ⊑ ⊒ ⊓ ⊔ ⊕ ⊖ ⊗ ⊘ ⊙ ⊚ ⊛ ⊜ ⊝ ⊞ ⊟ ⊠ ⊡ ⊢ ⊣ ⊤ ⊥ ⊦ ⊧ ⊨ ⊩ ⊪ ⊫ ⊬ ⊭ ⊮ ⊯ ⊰ ⊱ ⊲ ⊳ ⊴ ⊵ ⊶ ⊷ ⊸ ⊹ ⊺ ⊻ ⊼ ⊽ ⊾ ⊿ ⊺ ⊻ ⊼ ⊽ ⊾ ⊿

- A = 16 CONTACTS L=2,8
- B = 16 CONTACTS L=2,8
- C = 16 CONTACTS L=2,8
- S = 48 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	GI/O = Contact area level / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85052-0002 sht.1
Technical Data	PS-85052-0001

C	GI/O	c1-I6
B	GI/O	b1-I6
A	GI/O	a1-I6
Contact symbol	Perform. level	Contact position number

ECN 2507 first release	REVISIONS		FOR PREVIOUS REVISIONS SEE MRL 11ST	
	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° INCH METRIC 3 PLACE ± . 2 PLACE ± . 1 PLACE ± . DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWG BY KN	SIGN	
		CHK'D BY Ca	SIGN	
DESIGN DIMENSION ☐ MM☐ IN.		APP'D BY JB	SIGN	
EQUIVALENT DIMENSION ☐ MM☐ IN.		SCALE		
IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY				
Δ	LTR			

REVISE ONLY ON CAD SYSTEM		SH. REV.
CAD/CAM PROJECT NAME s8505205 s91	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE 48 pos. female connector acc. DIN 41612 style R/2 contacts arrangement		
MOLEX EUROPE		SHEET NO. 1 OF 1
PART NO. 85052-0593		DATE 97/06/16
DWG NO. SD-85052-0593		SIZE A

