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Part Number: [0850520830](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R/2 Reverse, 48 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

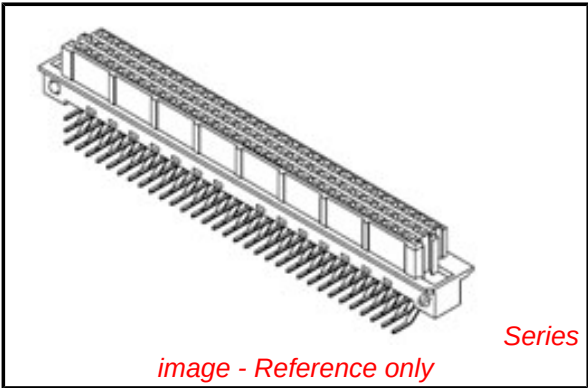
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R/2

Physical

Circuits (Loaded) 48
Circuits (maximum) 48
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 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**

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-85052-0002, SDA-85052-0830

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[illegible]

16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

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	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	yes
Dimensions	SDA-85052-0002 sht.1
Technical Data	PS-85052-0001

	C	G2/0	c l- l6
	B	G2/0	b l- l6
	A	G2/0	a l- l6
B	Contact symbol	Per form. level	Contact position number

ECN2348		first release	REVISIONS	FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY KN	SIGN	SIGN	CAD/CAM PROJECT NAME s8505208 s31	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SH.	REV.	
				INCH		METRIC									
				3 PLACE $\pm$.	$\pm$	3 PLACE $\pm$.	$\pm$								
				2 PLACE $\pm$.	$\pm$	2 PLACE $\pm$.	$\pm$								
						1 PLACE $\pm$.	$\pm$								
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY JB	SIGN		TITLE 48 pos. female connector acc. DIN 41612 style R/2 contacts arrangement		MOLEX® MOLEX EUROPE	SHEET NO. 1 OF 1	DATE 96/12/06
						DESIGN DIMENSION ☐ MM ☐ IN.		SCALE		PART NO. 85052-0830	DWG NO. SDA-85052-0830	SIZE A			
						EQUIVALENT DIMENSION ☐ MM ☐ IN.									
						IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY									