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Part Number: [0850520842](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R/2 Reverse, 32 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

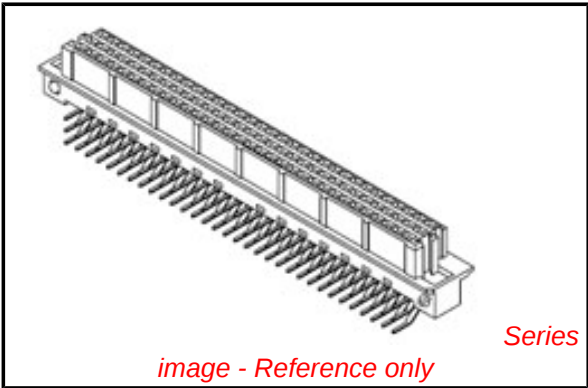
Product Family Backplane Connectors
Series [85052](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style R/2

Physical

Circuits (Loaded) 32
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 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
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

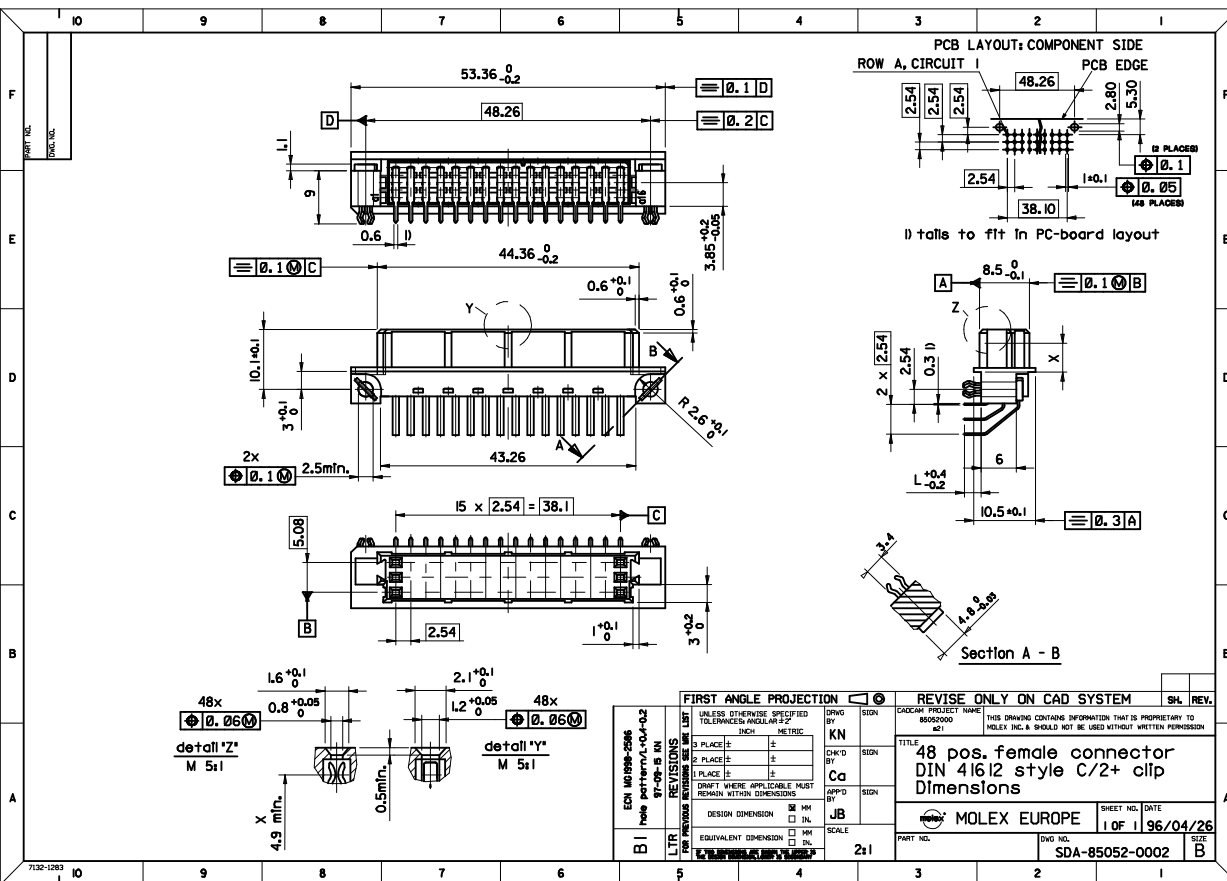
Reference - Drawing Numbers

Sales Drawing

SDA-85052-0002, SDA-85052-0842

This document was generated on 05/17/2010

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SHT. 1 OF			MRI -		
MODIFICATION RECORD INDEX					
ECN	ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
2213	A	96.04.26	KN	1	first release
2253	AI	96.09.25	KN	1	Flanschaenderung
2525	B	97.06.27	KN	1	Toleranz Mass L In +- 0.2
2586	BI	97.09.15	KN	1	hole pattern, Tol. L +0.4-0.2
</					

LEVEL CHART

1	17	33	49
2	18	34	50
3	19	35	51 LEVEL INDEX
4	20	36	52 RESERVED
5	21	37	53 RESERVED
6	22	38	54 Inspection Balloons
7	23	39	55 DIMENSIONS
8	24	40	56 TABLES/CHARTS
9	25	41	57 REVISION TEXT & MRI
10	26	42	58 Notes/text - English
11	27	43	59 Bill of materials
12	28	44	60 notes/text - german
13	29	45	61
14	30	46	62 notes/text - french
15	31	47	63 RESERVED
16	32	48	

VIEW ON MATING SIDE

[illegible]

1
2
3
4
5
6
7
8
9
0
1
1
2
3
4
5
6

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	yes
Dimensions	SDA-85052-0002 sht.1
Technical Data	PS-85052-0001

C	G2/0	c1-16	
A	G2/0	a1-16	
Contact symbol	Perform. level	Contact position number	

ECN 2348 first release	REVISIONS	FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY		SIGN	CAD/CAM PROJECT NAME s8505208 s41		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SH.	REV.											
		INCH		METRIC		KN																		
A	LTR	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV											
														3 PLACE $\pm$	$\pm$	CHK'D BY	SIGN							
																		2 PLACE $\pm$	$\pm$	Ca	APP'D BY	SIGN		
																							1 PLACE $\pm$	$\pm$
DESIGN DIMENSION		☐ MM	☐ IN.	JB	SCALE	SHEET NO. DATE	DWG NO.	SIZE																
EQUIVALENT DIMENSION		☐ MM	☐ IN.																					
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY												85052-0842	SDA-85052-0842	A										
TITLE 48 pos. female connector acc. DIN 41612 style R/2 contacts arrangement																								