

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0850520165](#)  
**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**

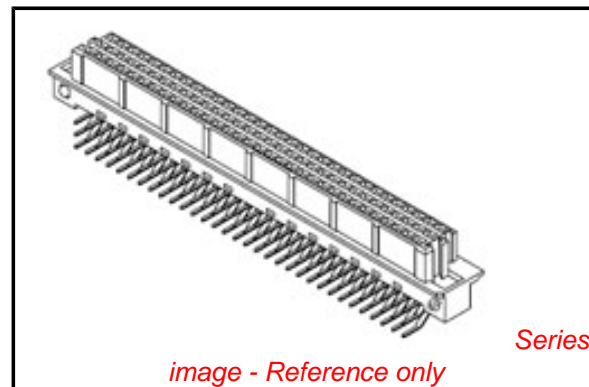
Product Family Backplane Connectors  
 Series [85052](#)  
 Application Backplane  
 Component Type PCB Receptacle  
 Overview [din\\_41612](#)  
 Product Name IEC 603-2/DIN 41612  
 Style R/2

**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)



*image - Reference only*

**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](mailto: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**

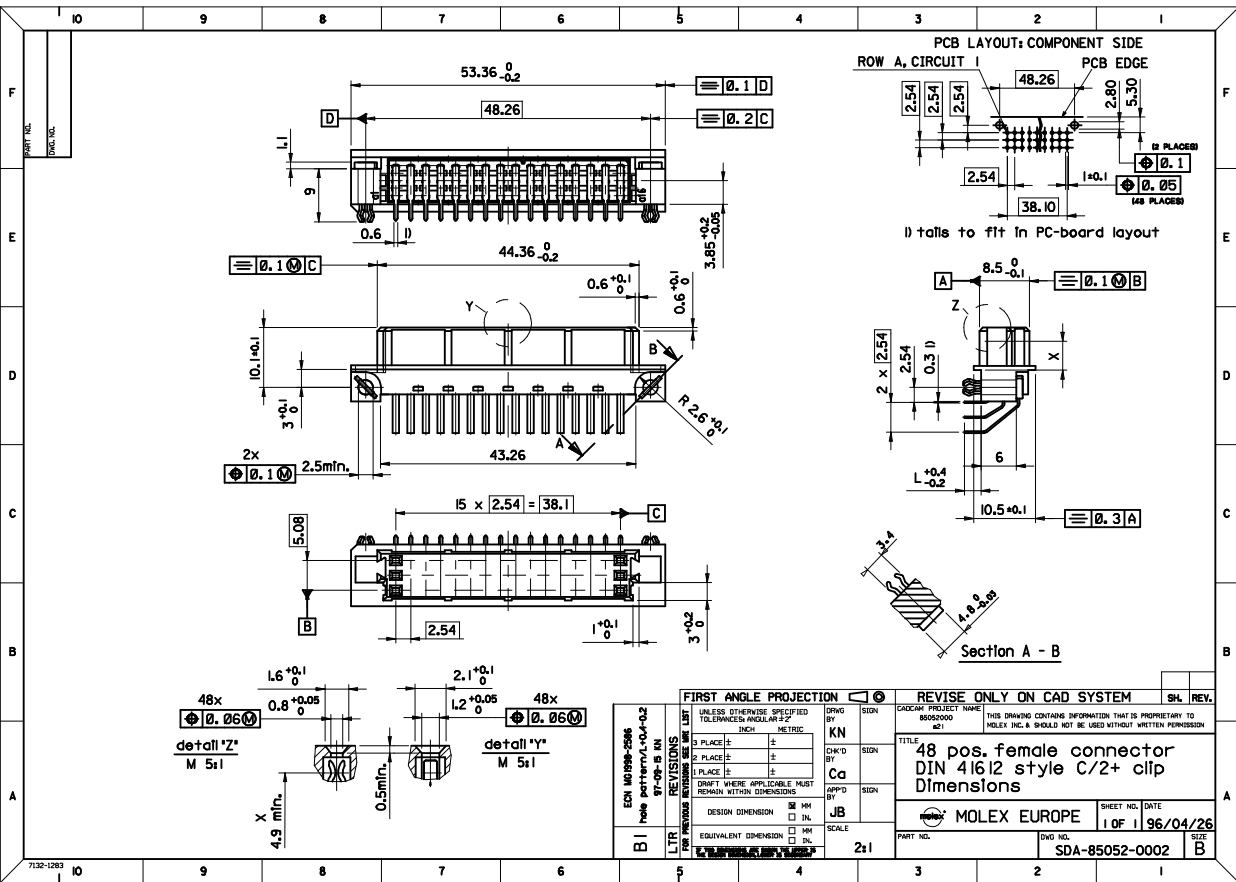
**Reference - Drawing Numbers**

Sales Drawing

SDA-85052-0002, SDA-85052-0165

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

MOLEX EUROPE		REVISE ONLY ON CAD SYSTEM	
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MF0028		ISSUE	

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

∩	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
◁	A	A	A	A	A	A	A	A	A	A	A	A	A

01 02 03 04 05 06 07 08 09 10 11 12

- 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	no
Dimensions	SDA-85052-0002 sht.1
TechnicalData	PS-85052-0001

C	G2/0	c1-l6
B	G2/0	b1-l6
A	G2/0	a1-l6
Contact symbol	Perform. level	Contact position number

first release  
see ECN No. 2154

REVISIONS

LTR

FOR PREVIOUS REVISIONS SEE MRL 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

REVISE ONLY ON CAD SYSTEM	SH. REV.
CAD/CAM PROJECT NAME s8505201 s61	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	SHEET NO. DATE 1 OF 1 96/06/13
PART NO. 85052-0165	DWG NO. SDA-85052-0165
SIZE A	

Contact position number