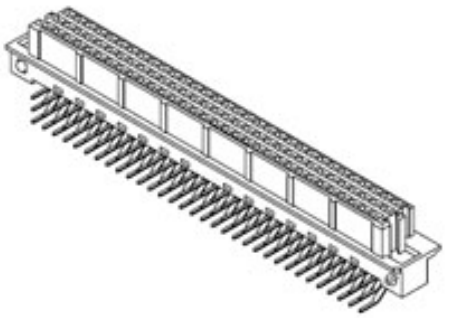
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Part Number: 0850520593
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R/2 Reverse, 48 Circuits

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

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

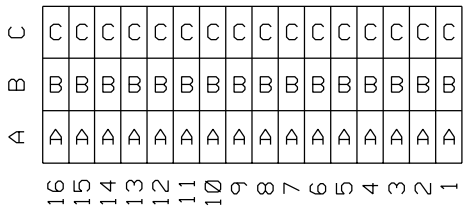
Reference - Drawing Numbers

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

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VIEW ON MATING SIDE



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 I / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85052-0002 sht.1
TechnicalData	PS-85052-0001

C	GI/O	c1-16
B	GI/O	b1-16
A	GI/O	a1-16
Contact symbol	Perform. level	Contact position number

A	LTR	ECN 2507 first release	REVISIONS FOR PREVIOUS REVISIONS SEE MRI 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

DRWG BY	KN	SIGN
CHK'D BY	Ca	SIGN
APP'D BY	JB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8505205 s91

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TITLE

48 pos. female connector acc. DIN 41612 style R/2 contacts arrangement

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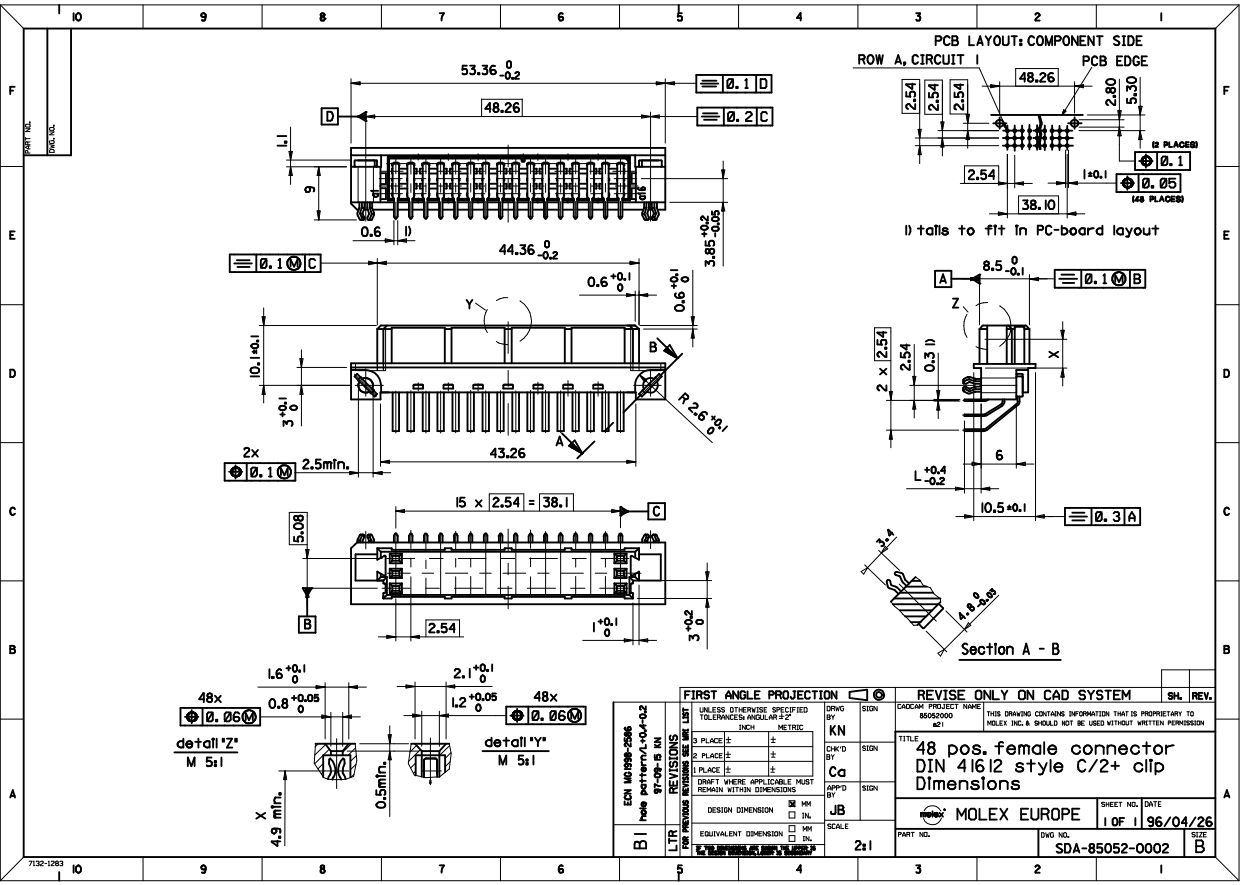
SHEET NO. 1 OF 1

DATE 97/06/16

PART NO. 85052-0593

DWG NO. SD-85052-0593

SIZE A



SHT. 1 OF	MR1-

MODIFICATION RECORD INDEX

ECN	ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
2213	A	96.04.26	KN	1	first release
2253	A1	96.09.25	KN	1	Flanschaenderung
2525	B	97.06.27	KN	1	Toleranz Mass L in +- 0.2
2586	B1	97.09.15	KN	1	hole pattern, Tol. L +0.4-0.2

MOLEX EUROPE — REVISE ONLY ON CAD SYSTEM

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LEVEL CHART

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2	18	34	50
3	19	35	51 LEVEL INDEX
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5	21	37	53 RESERVED
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7	23	39	55 DIMENSIONS
8	24	40	56 TABLES/CHARTS
9	25	41	57 REVISION TEXT & MR1
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
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