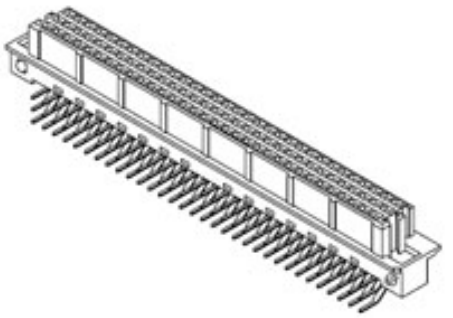
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0850520282
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style R Reverse, 96 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

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
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	32
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

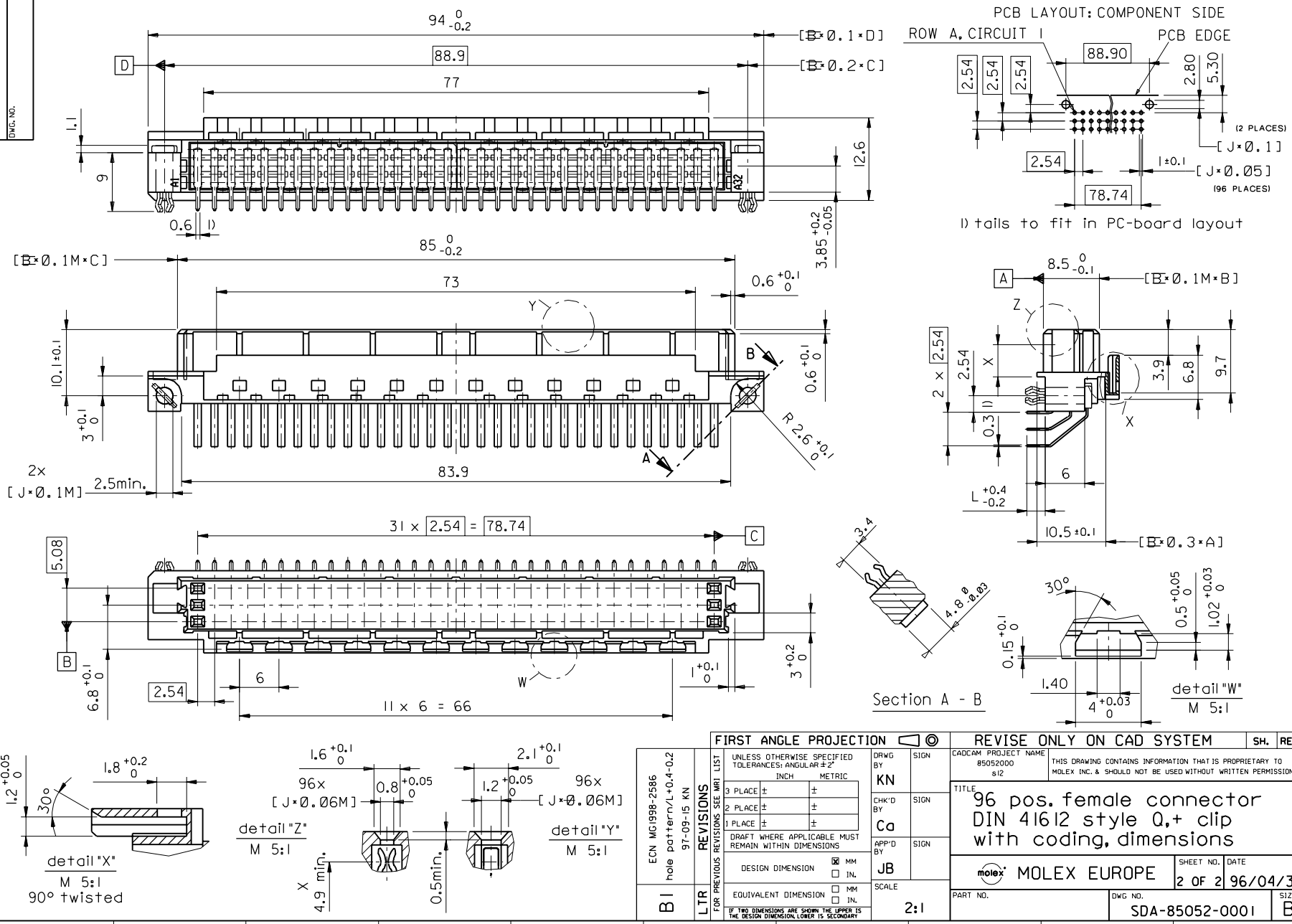
Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-85052-0001, SDA-85052-0282

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PART NO.

DWG. NO.

7132-1283

FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM | SH. | REV.

ECN MG1998-2586
hole pattern/L+0.4-0.2
97-09-15 KN

B1

REVISIONS | LTR | 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 2:1

CADCAM PROJECT NAME
85052000
s12

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE

96 pos. female connector DIN 41612 style Q,+ clip with coding, dimensions

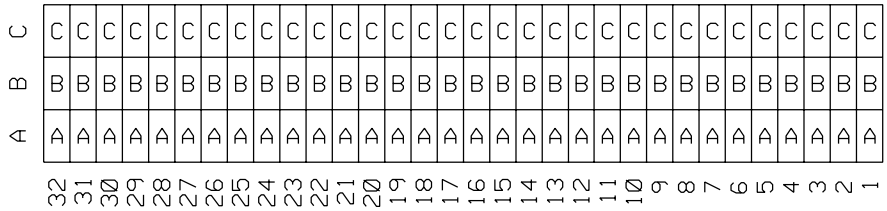
molex MOLEX EUROPE

SHEET NO. 2 OF 2 | DATE 96/04/30

PART NO.

DWG NO. SDA-85052-0001 | SIZE B

VIEW ON MATING SIDE



A = 32 CONTACTS L=2,8
B = 32 CONTACTS L=2,8
C = 32 CONTACTS L=2,8

S = 96 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	GI/O = Contact area level I / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85052-0001 sht.2
Technical Data	PS-85052-0001

C	GI/O	c1-32
B	GI/O	b1-32
A	GI/O	a1-32
Contact symbol	Perform. level	Contact position number

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME: s8505202 s81

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE: 96 pos. female connector acc. DIN 41612 style R contacts arrangement

MOLEX EUROPE

SHEET NO.: 1 OF 1

DATE: 96/06/17

PART NO.: 85052-0282

DWG NO.: SDA-85052-0282

SIZE: A

DRWG BY: Ca | SIGN

CHK'D BY: KN | SIGN

APP'D BY | SIGN

SCALE

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

FOR PREVIOUS REVISIONS SEE MRI LIST

REVISIONS

LTR	
A	first release see ECN No. 2154