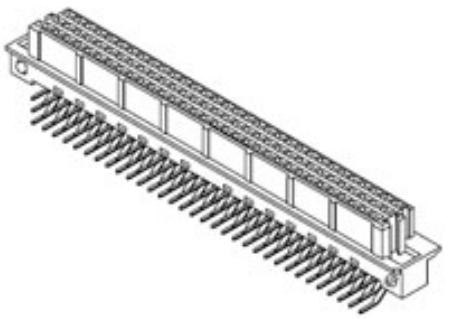
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0850520725
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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

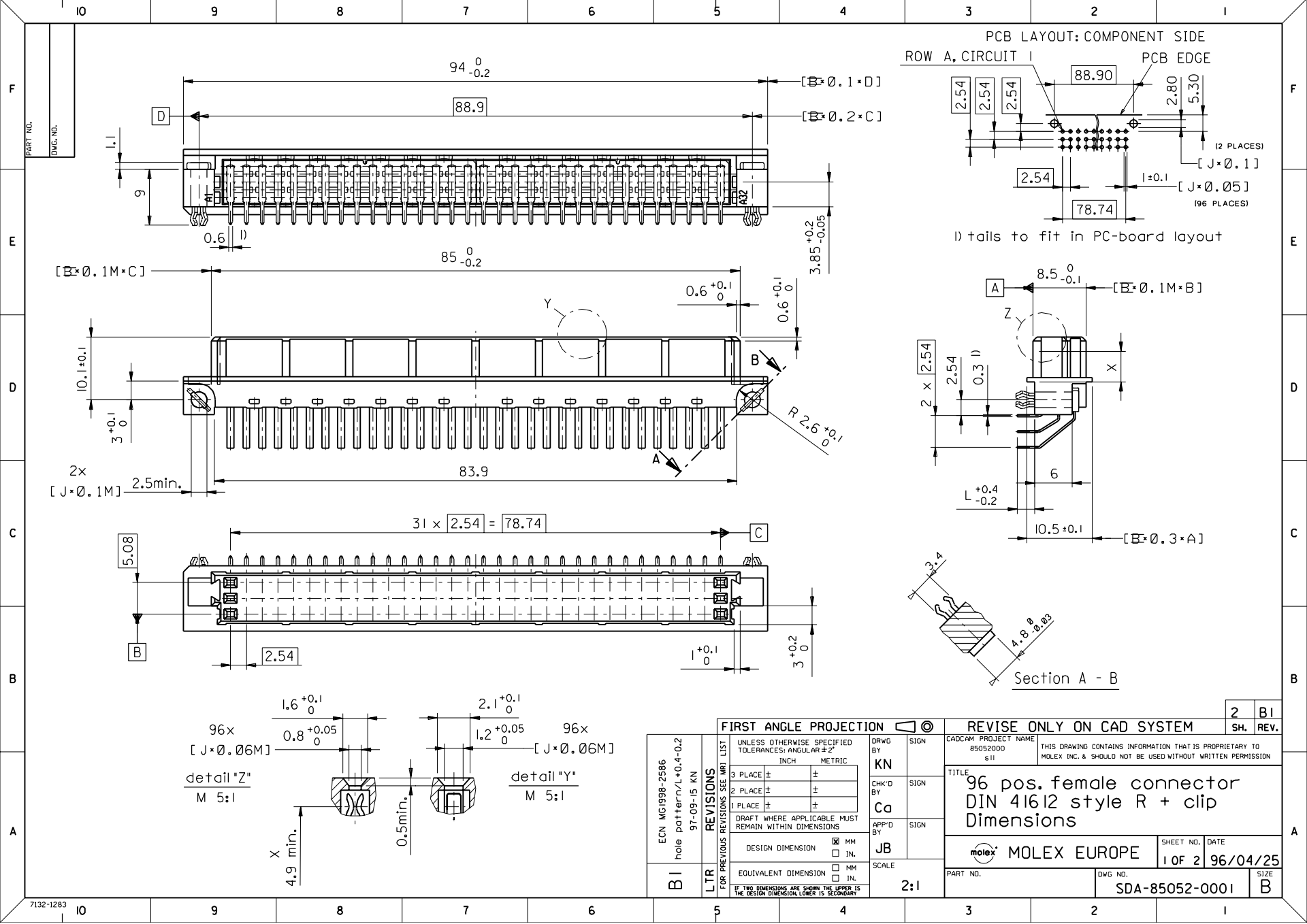
Material Info

Reference - Drawing Numbers

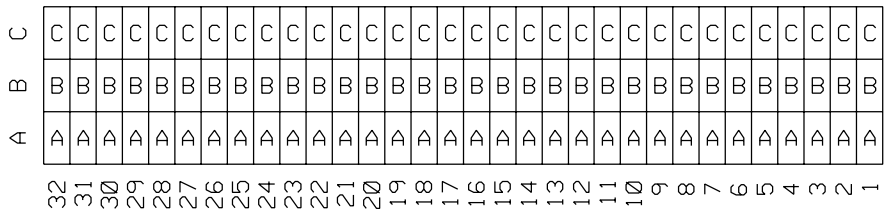
Sales Drawing	SDA-85052-0001, SDA-85052-0725

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PCB LAYOUT: COMPONENT SIDE
ROW A, CIRCUIT 1
PCB EDGE
88.90
2.54
2.54
2.54
2.80
5.30
(2 PLACES)
[J×Ø.1]
2.54
1±0.1
[J×Ø.05]
(96 PLACES)
78.74
1) tails to fit in PC-board layout
94 0 -0.2
[B×Ø.1×D]
88.9
[B×Ø.2×C]
D
1.1
9
A1
A32
0.6
1)
3.85 +0.2 -0.05
[B×Ø.1M×C]
85 0 -0.2
0.6 +0.1 0
0.6 +0.1 0
Y
10.1±0.1
3 +0.1 0
B
R 2.6 +0.1 0
A
2×
[J×Ø.1M]
2.5min.
83.9
31 × 2.54 = 78.74
C
5.08
B
2.54
1 +0.1 0
3 +0.2 0
8.5 0 -0.1
[B×Ø.1M×B]
A
Z
2 × 2.54
2.54
0.3 1)
X
6
L +0.4 -0.2
10.5±0.1
[B×Ø.3×A]
3.4
4.8 Ø -0.03
Section A - B
1.6 +0.1 0
0.8 +0.05 0
96×
[J×Ø.06M]
detail "Z"
M 5:1
2.1 +0.1 0
1.2 +0.05 0
96×
[J×Ø.06M]
detail "Y"
M 5:1
X
4.9 min.
0.5min.
PART NO.
DWG. NO.
ECN MG1998-2586
hole pattern/L+0.4-0.2
97-09-15 KN
B1
LTR
REVISIONS
FOR PREVIOUS REVISIONS SEE MRI LIST
FIRST ANGLE PROJECTION
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
REVISE ONLY ON CAD SYSTEM
2 B1
SH. REV.
CADCAM PROJECT NAME 85052000 s11
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 R + clip
Dimensions
molex MOLEX EUROPE
SHEET NO. 1 OF 2
DATE 96/04/25
PART NO.
DWG NO. SDA-85052-0001
SIZE B
7132-1283

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

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

LTR	REVISIONS		
A	first release see ECN No. 2154		

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

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8505207 s21

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 96/06/14

PART NO. 85052-0725

DWG NO. SDA-85052-0725

SIZE A