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Part Number: 0850423524
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style C, 64 Circuits

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

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
85042Series

Mates With
DIN 41612 Headers 85003 , 85013

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85042
Application	Daughtercard
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C

Physical

Circuits (Loaded)	64
Circuits (maximum)	96
Circuits Detail	Rows A & C
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	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	Yes
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

Electrical

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	29
Shielded	No
Voltage - Maximum	250V AC (RMS)

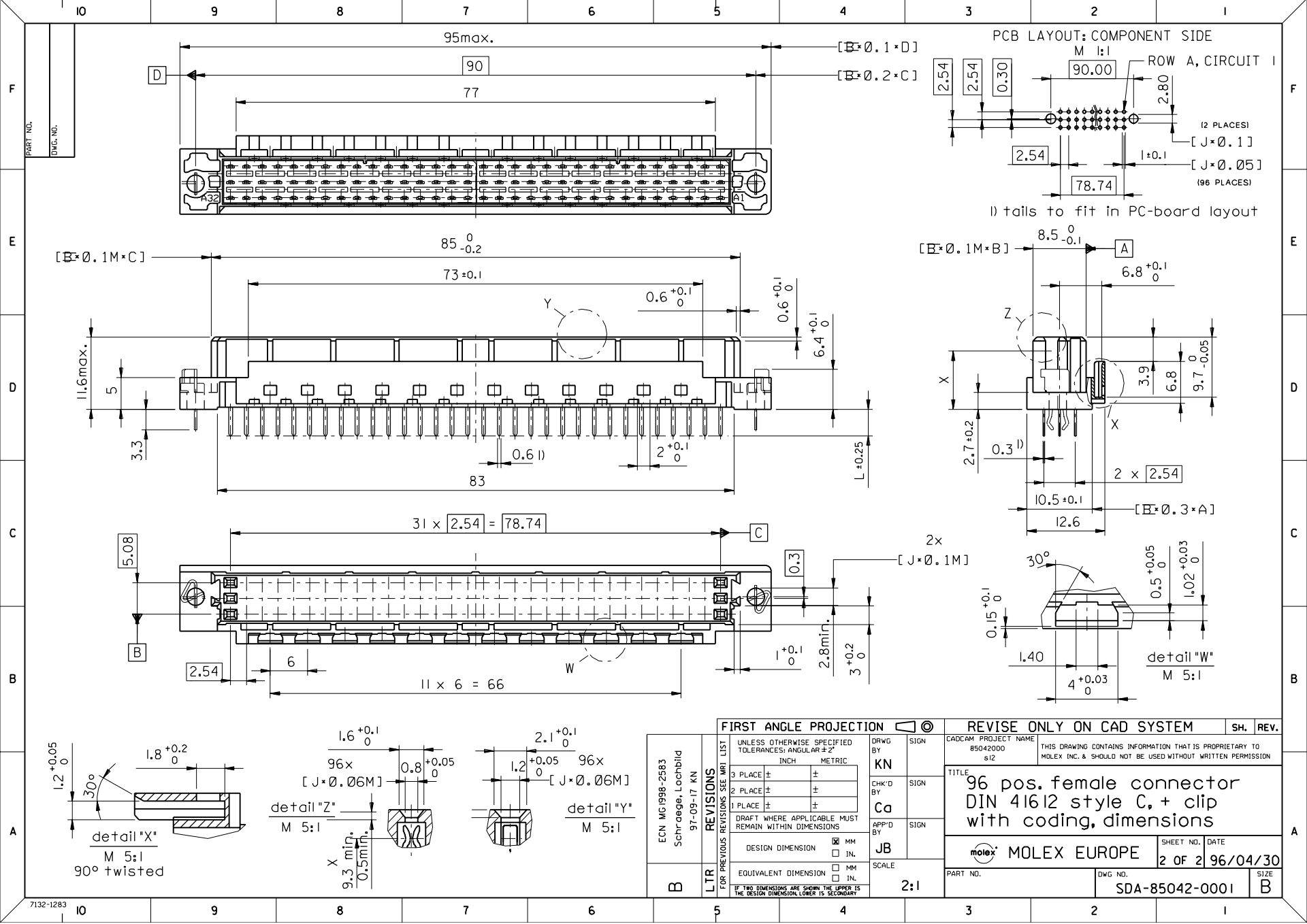
Material Info

Reference - Drawing Numbers

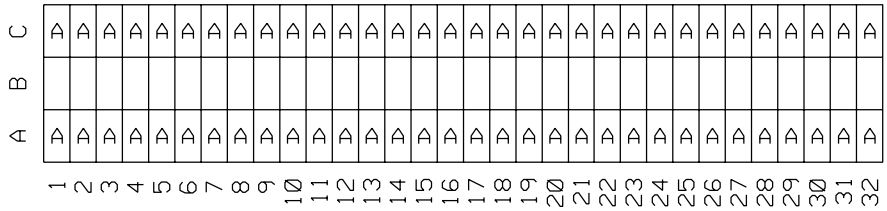
Sales Drawing	SDA-85042-0001, SDA-85042-3524

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95max.
90
77
[B×Ø.1×D]
[B×Ø.2×C]
D
A32
A1
PCB LAYOUT: COMPONENT SIDE
M 1:1
ROW A, CIRCUIT 1
90.00
2.54
2.54
0.30
2.80
(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
[B×Ø.1M×C]
85 0 -0.2
73±0.1
0.6 +0.1 0
0.6 +0.1 0
6.4 +0.1 0
Y
11.6max.
5
3.3
0.6 1)
2 +0.1 0
83
L±0.25
[B×Ø.1M×B]
8.5 0 -0.1
A
6.8 +0.1 0
Z
X
3.9
6.8
9.7 0 -0.05
2.7±0.2
0.3 1)
2 x 2.54
10.5±0.1
12.6
[B×Ø.3×A]
31 x 2.54 = 78.74
C
5.08
B
0.3
2x
[J×Ø.1M]
2.54
6
11 x 6 = 66
W
1 +0.1 0
2.8min.
3 +0.2 0
30°
0.5 +0.05 0
1.02 +0.03 0
0.15 +0.1 0
1.40
4 +0.03 0
detail "W"
M 5:1
1.2 +0.05 0
1.8 +0.2 0
30°
detail "X"
M 5:1
90° twisted
1.6 +0.1 0
96x
[J×Ø.06M]
0.8 +0.05 0
detail "Z"
M 5:1
X
9.3 min.
0.5min.
2.1 +0.1 0
1.2 +0.05 0
96x
[J×Ø.06M]
detail "Y"
M 5:1
FIRST ANGLE PROJECTION
REVISE ONLY ON CAD SYSTEM
SH.
REV.
ECN MG1998-2583
Schraege, Lochbild
97-09-17 KN
B
LTR
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
CHK'D BY Ca
APP'D BY JB
SIGN
SCALE 2:1
CADCAM PROJECT NAME 85042000 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 C, + clip
with coding, dimensions
molex MOLEX EUROPE
SHEET NO. 2 OF 2
DATE 96/04/30
PART NO.
DWG NO. SDA-85042-0001
SIZE B
7132-1283

VIEW ON MATING SIDE



A = 64 STANDARD CONTACTS L=2,9

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85042-0001 sht.2
TechnicalData	PS-85042-0001

A	G2/0	a1-32 c1-32
Contact symbol	Perform. level	Contact position number

A	first release see ECN No. 2154				
LTR	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	Ca	SIGN
CHK'D BY	KN	SIGN
APP'D BY		SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8504235 s21

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TITLE

96 pos. female connector acc. DIN 41612 style C contacts arrangement

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 96/05/24

PART NO. 85042-3524

DWG NO. SDA-85042-3524

SIZE A