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Part Number:

0850420270

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style C, 96 Circuits

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

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)

96

Circuits (maximum)

96

Circuits Detail

Rows A, B, & 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)

0.177 In

PC Tail Length (mm)

4.50 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

1A

Data Rate

622.0 Mbps

Real Signals (per 25mm)

29

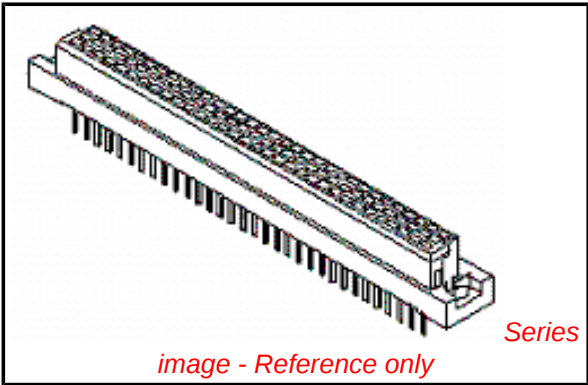
Shielded

No

Voltage - Maximum

250V AC (RMS)

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

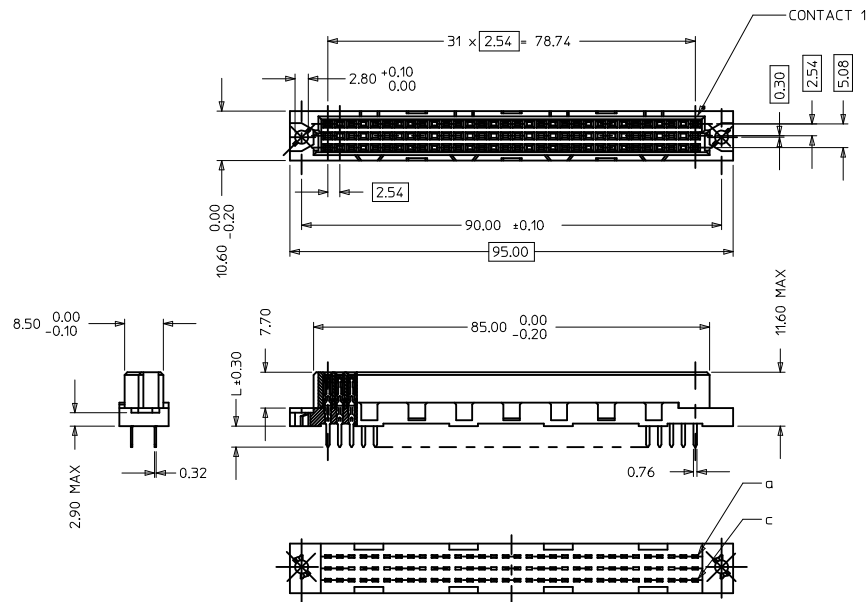
Reference - Drawing Numbers

Sales Drawing

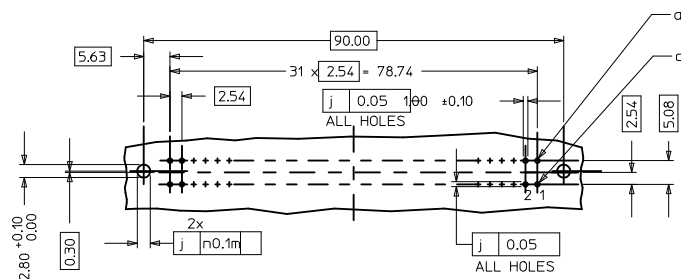
SD-85042-001

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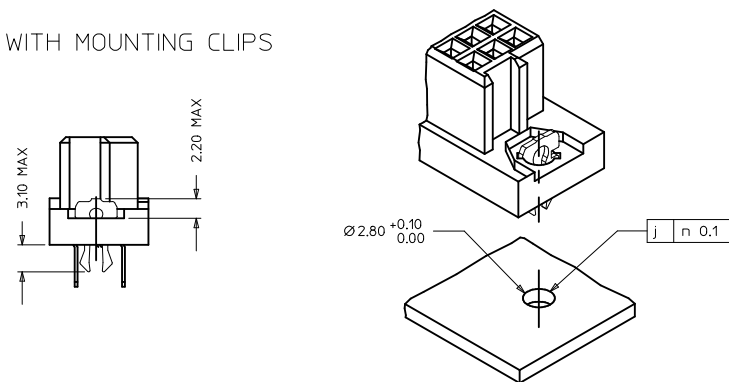
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED.
UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL

2) FINISH: TERMINAL:-

CONTACT AREA

- A. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au),
THICKNESS = 1.27 MICROMETER OVER NICKEL
THICKNESS = 1.8 MICROMETER

- B. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au),
THICKNESS = 0.8 MICROMETER OVER NICKEL
THICKNESS = 1.8 MICROMETER

- C. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au),
THICKNESS = 0.3 MICROMETER OVER NICKEL.
THICKNESS = 1.8 MICROMETER

TERMINATION AREA:

- SELECTIVE TIN, THICKNESS = 5 MICROMETER
OVER NICKEL, THICKNESS 1.8 MICROMETER OVERALL.

3). MOUNTING CLIP:

- TIN (Sn), THICKNESS = 5-10 MICROMETER OVER NICKEL (Ni)
THICKNESS = 2.5 MICROMETER

- 4). FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH
RIVETS: 2 TABULAR RIVETS 2.5 X 0.3 ..DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 X ..DIN 84 AND
2 HEXAGONAL NUTS M2.5 DIN 934.

- 5). MATERIAL No, BATCH CODE, UL AND CSA MARKING TO BE PRINTED
ON THE CONNECTOR.

- 6). CUT FACES OF TIP WITHOUT PLATING PERMITTED.

EC NO: 12010-0265 DRWNSNS01 CHKD:KRASAD APPR:KRASAD 2009/12/11 2009/12/28 2010/01/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY PRASHANT	DATE 2004/12/07	TITLE ASSEMBLY, DIN 41612 C FEMALE, 96 POS		
				4 PLACES ± --- ± ---	CHECKED BY SSUDHIR	DATE 2004/12/07	MOLEX INCORPORATED			
				3 PLACES ± 0.005 ± ---	APPROVED BY SSUDHIR	DATE 2004/12/07				
				2 PLACES ± 0.1 ± ---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-85042-001				SHEET NO. 1 OF 2
1 PLACE ± 0.15 ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	13	12	11	10	9	8	7	6	5	4	3	2	1	
	MATERIAL No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" mm	MOUNTING CLIP NO.	FLUX PROOF							
J	850421249	1	Au+Ni	1,2,3....32 a+c	4.5	NO	NO							
	850420385	2	Au+Ni	1,2,3....32 a+b+c	2.9	NO	NO							
	850420191	2	Au+Ni	1,2,3....32 a+c	4.5	NO	NO							
	850420270	2	Au+Ni	1,2,3....32 a+b+c	4.5	NO	NO							
	850420397	2	Au+Ni	2,4,6....32 a+c	4.5	NO	NO							
I	850421043	1	Au+Ni	1,2,3....32 a+b+c	4.5	NO	NO							I
	850421079	2	Au+Ni	1,2,3....32 a+b+c	2.9	YES	NO							
	850421213	2	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
	850421304	1	Au+Ni	1,2,3....32 a+b+c	2.9	NO	NO							
	850422347	2	Au+Ni	1,2,3....32 a+b+c	2.9	NO	YES							
	850422529	2	Au+Ni	1,2,3....32 a+c	2.9	YES	NO							
H	850423316	2	Au+Ni	2,4,6....32 a+c	2.9	YES	YES							H
	850424696	2	Au+Ni	1,2,3....32 a+c	4.5	YES	NO							
	850424763	2	Au+Ni	2,4,6....32 a+c	2.9	NO	NO							
	850426232	2	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
	850429017	3	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
G														G
F														F
E														E
D														D
C														C
B														B
A														A