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Part Number:

0850420385

Status:

Active

Overview:

din_41612

Description:

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

Documents:

3D Model

Drawing (PDF)

Product Specification PS-85042-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Component Type

Overview

Product Name

Style

Backplane Connectors

85042

Daughtercard

PCB Receptacle

din_41612

IEC 603-2/DIN 41612

C

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

96

96

Rows A, B, & C

400

No

94V-0

No

Yes

32

Open Pin Field

3

Vertical

0.114 In

2.90 mm

No

Yes

Tray

0.100 In

2.54 mm

0.100 In

2.54 mm

Yes

No

No

-55°C to +125°C

Electrical

Current - Maximum per Contact

Data Rate

Real Signals (per 25mm)

Shielded

Voltage - Maximum

1A

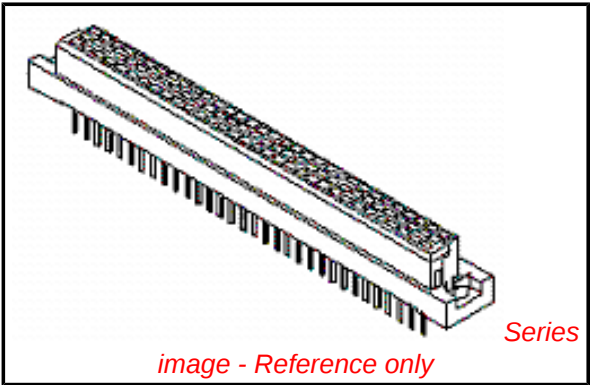
622.0 Mbps

29

No

250V AC (RMS)

Material Info



EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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

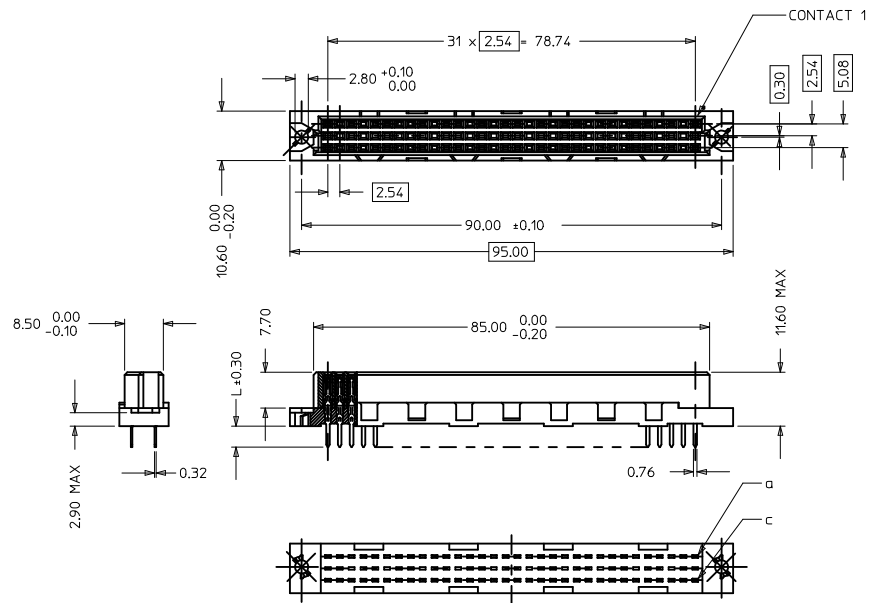
Reference - Drawing Numbers

Product Specification
Sales Drawing

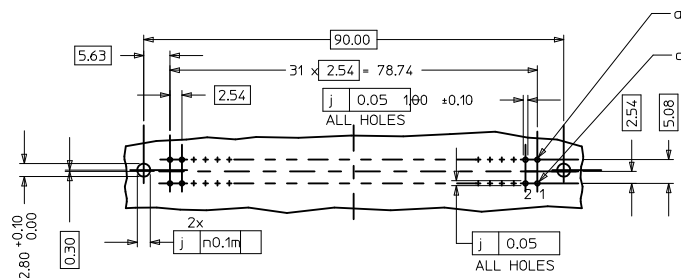
PS-85042-001
SD-85042-001

This document was generated on 05/17/2010

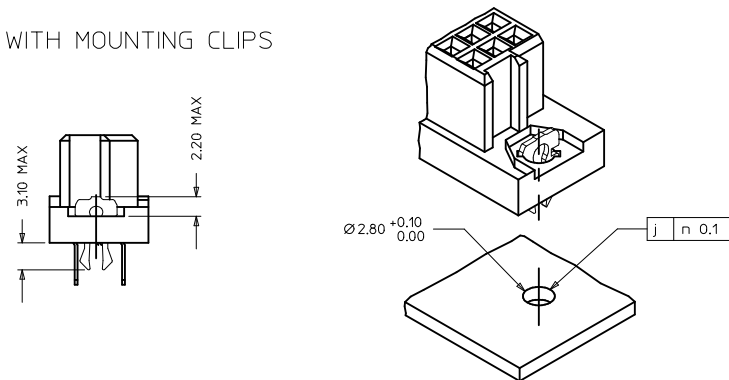
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



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: I2010-0265 DRWN: SNS01 CHKD: KRASAD APPR: KRASAD 2009/12/11 2009/12/28 2010/01/06	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	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	MOLEX INCORPORATED
			4 PLACES	± ---	± ---	CHECKED BY SSUDHIR	DATE 2004/12/07		
			3 PLACES	± 0.005	± ---	APPROVED BY SSUDHIR	DATE 2004/12/07		
			2 PLACES	± 0.1	± ---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-85042-001		
			1 PLACE	± 0.15	± ---				SHEET NO. 1 OF 2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 2 °						
					SIZE A2		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