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Part Number:

0365090032

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 R Style Female Receptacle, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 64 Circuits, with Mounting Clips, without Sealing Strip, Lead free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-36509-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

36509

Daughtercard

With Mounting Clips. No Sealing Strip

PCB Receptacle

[din_41612](#)

IEC 603-2/DIN 41612

R

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

64

64

1,2,3,...32; a+c

Gray

400

No

No

Yes

Phosphor Bronze

Gold

Tin

Polyester

32

Open Pin Field

2

Right Angle

0.118 In

3.00 mm

No

Yes

0.063 In

1.60 mm

Carton

0.100 In

2.54 mm

0.100 In

2.54 mm

24

0.60

98

2.5

Yes

No

No

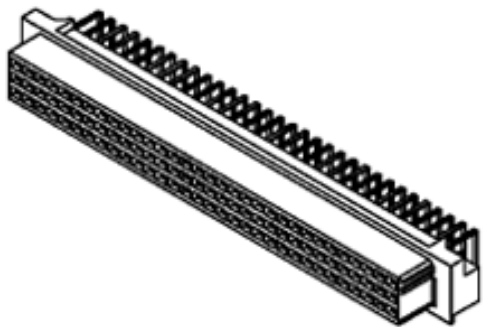


image - Reference only

Series

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

36509Series

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-36509-001
Sales Drawing	SD-36509-002

This document was generated on 05/13/2010

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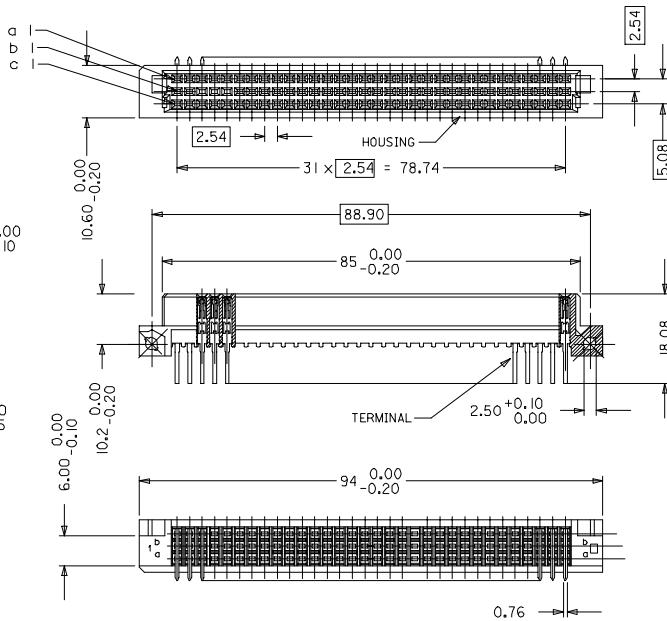
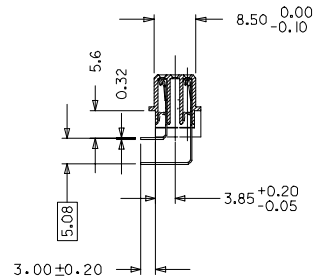
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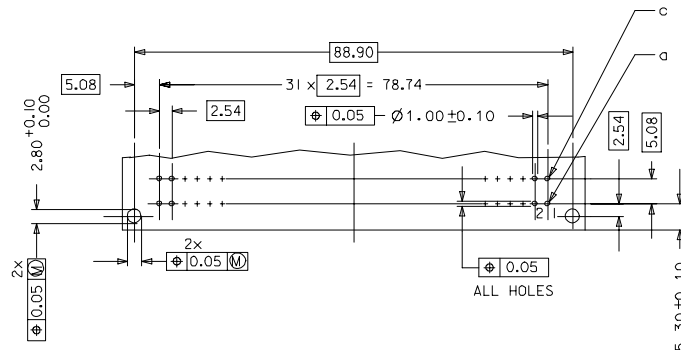
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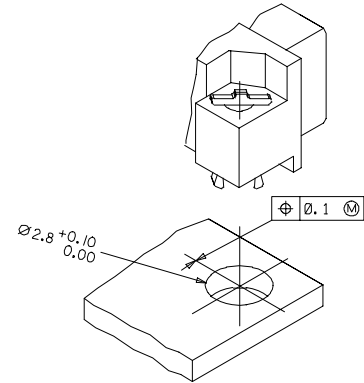
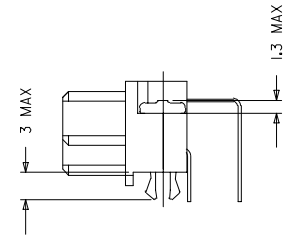


RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS

8:1



NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, CLASS FILLED, UL94V-0. COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
TERMINATION AREA: SELECTIVE TIN, THICKNESS = 2.5 MICROMETER OVER NICKEL, THICKNESS = 1.25 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 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: CHEESEHEAD SCREWS M2.5 x ... DIN 84 AND 2 HEXAGONAL NUTS M 2.5 DIN 934
- 5) MATERIAL No, BATCH CODE, UL AND CSA MARKING TO BE PRINTED ON CONNECTOR
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
- 7) PRODUCT SPECIFICATION : PS-36509-001

RoHS COMPLIANT

EC NO: 12007-0044		2006/10/10		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
DRAWSATTI MARAD		2006/10/11		▽=0				MM ONLY		2:1		METRIC		◎	
CHKDSSDIHR		2006/10/18		▽=0				DRAWN BY		DATE		TITLE		ASSEMBLY, DIN41612	
APPR:SSDIHR						4 PLACES ±		SS		1999/10/08				R FEMALE, 64 POS	
						3 PLACES ±		CHECKED BY		DATE				A+C LAODED	
						2 PLACES ±		GJLOWE		1999/10/08					
						1 PLACE ±		APPROVED BY		DATE					
						ANGULAR ± 2°		GJLOWE		1999/10/08		MOLEX		MOLEX INCORPORATED	
								MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
								SEE CHART		SD-36509-002				1 OF 2	
D1								SIZE							
								A1							

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