

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365090025

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Right Angle, Through Hole, with 64 Contacts Loaded, 1.27µm (50µ") Gold (Au) Selective, 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

Backplane

"R" at style represents Right Angle Female DIN Connector

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

96

64

Gray

500

No

No

Yes

Phosphor Bronze

Gold

Tin

Polyester

32

Open Pin Field

3

Right Angle

0.118 In

3.00 mm

No

Yes

0.063 In, 0.125 In

1.60 mm, 3.20 mm

Tray

0.100 In

2.54 mm

0.100 In

2.54 mm

50

1.25

100

2.5

No

No

No

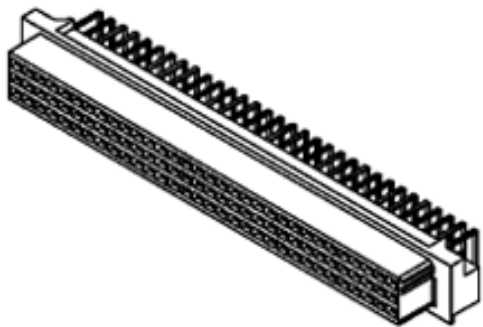


image - Reference only

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

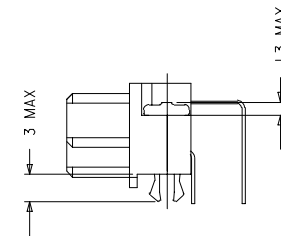
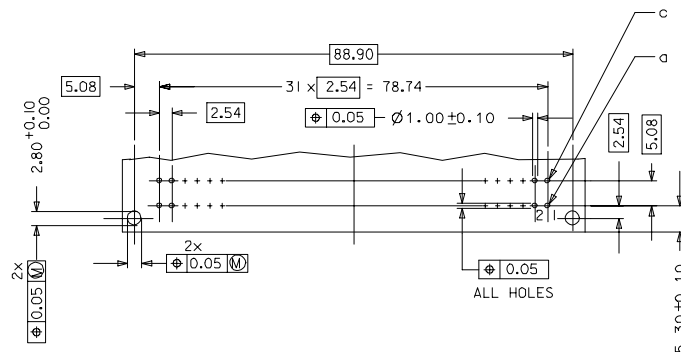
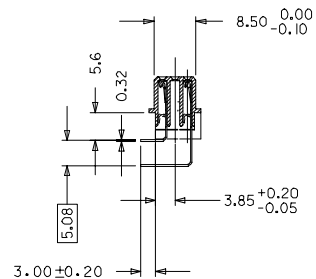
Mates With

36502 Right Angle Header. 36511 Vertical Header

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	29
Shield Type	N/A
Shielded	No
Voltage - Maximum	250V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	MMB2400R963
Reference - Drawing Numbers	
Product Specification	PS-36509-001
Sales Drawing	SD-36509-002

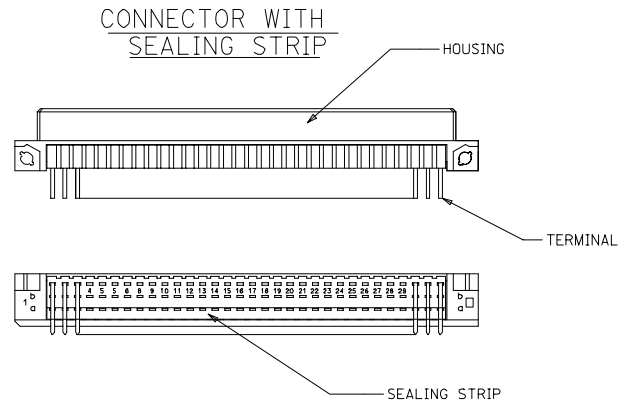
This document was generated on 05/13/2010

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EC NO: 2007-0044 DRINKING WATER CHICKENSHIR APPR: S3DHR 2006/10/10 2006/10/10 2006/10/11 D1	QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION D1	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																												
		<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES ±</td><td>±</td><td>±</td></tr><tr><td>3 PLACES ±0.05</td><td>±</td><td>±</td></tr><tr><td>2 PLACES ±0.1</td><td>±</td><td>±</td></tr><tr><td>1 PLACE ±0.15</td><td>±</td><td>±</td></tr></table>			mm	INCH	4 PLACES ±	±	±	3 PLACES ±0.05	±	±	2 PLACES ±0.1	±	±	1 PLACE ±0.15	±	±	<table><tr><th>DRAWN BY</th><th>DATE</th><th>TITLE</th></tr><tr><td>SS</td><td>1999/10/08</td><td rowspan="7">ASSEMBLY, DIN41612 R FEMALE, 64 POS A+C LOADED</td></tr><tr><th>CHECKED BY</th><th>DATE</th></tr><tr><td>GJLOWE</td><td>1999/10/08</td></tr><tr><th>APPROVED BY</th><th>DATE</th></tr><tr><td>GJLOWE</td><td>1999/10/08</td></tr></table>		DRAWN BY	DATE	TITLE	SS	1999/10/08	ASSEMBLY, DIN41612 R FEMALE, 64 POS A+C LOADED	CHECKED BY	DATE	GJLOWE	1999/10/08	APPROVED BY	DATE	GJLOWE	1999/10/08	 MOLEX INCORPORATED	SHEET NO. 1 OF 2
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SIZE Δ 1			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																															

	20	19	18	17	16	15	14	13
M	MATERIAL No	MOLEX ENG No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	MOUNTING CLIP	SEALING STRIP	
	36509-0025	MM-B2400-R963	1	Au+Ni	1,2,3,...32 a+c	NO	NO	
	36509-0026	MM-B2500-R963	2	Au+Ni	1,2,3,...32 a+c	NO	NO	
	36509-0027	MM-B2600-R963	3	Au+Ni	1,2,3,...32 a+c	NO	NO	
L								
	36509-0031	MM-B2400-R913	1	Au+Ni	1,2,3,...32 a+c	YES	NO	
	36509-0032	MM-B2500-R913	2	Au+Ni	1,2,3,...32 a+c	YES	NO	
K	36509-0033	MM-B2600-R913	3	Au+Ni	1,2,3,...32 a+c	YES	NO	
	36509-0037	MM-B2400-R963-101	1	Au+Ni	1,2,3,...32 a+c	NO	YES	
J	36509-0038	MM-B2500-R963-101	2	Au+Ni	1,2,3,...32 a+c	NO	YES	
	36509-0039	MM-B2600-R963-101	3	Au+Ni	1,2,3,...32 a+c	NO	YES	
I								
	36509-0043	MM-B2400-R913-101	1	Au+Ni	1,2,3,...32 a+c	YES	YES	
	36509-0044	MM-B2500-R913-101	2	Au+Ni	1,2,3,...32 a+c	YES	YES	
	36509-0045	MM-B2600-R913-101	3	Au+Ni	1,2,3,...32 a+c	YES	YES	
H								



RoHS COMPLIANT

EC NO: 12007-0044 DOWNSATTI MARAD CHIKKESUDHIR APPARASUDHIR 2006/10/10 2006/10/11 2006/10/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																														
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