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Part Number:

0365090003

Status:

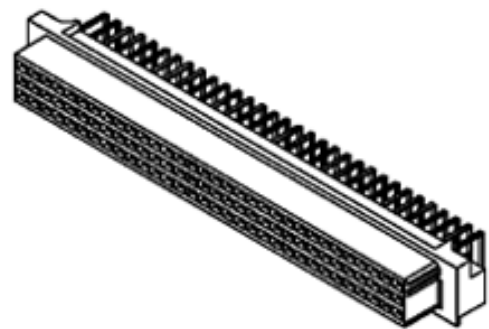
Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 R Style Female Receptacle, Right Angle, Through Hole, 0.30µm (12µ") Selective Gold (Au) Plating, 96 Circuits, without Mounting Clips or Sealing Strip, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-36509-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	36509
Application	Daughtercard
Comments	No Mounting Clips, Secured with Tubular Rivets/ Cheesehead Screws. No Sealing Strip
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	1,2,3,...32; a+b+c
Color - Resin	Gray
Durability (mating cycles max)	50
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Carton
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
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.30
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No

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
36509Series

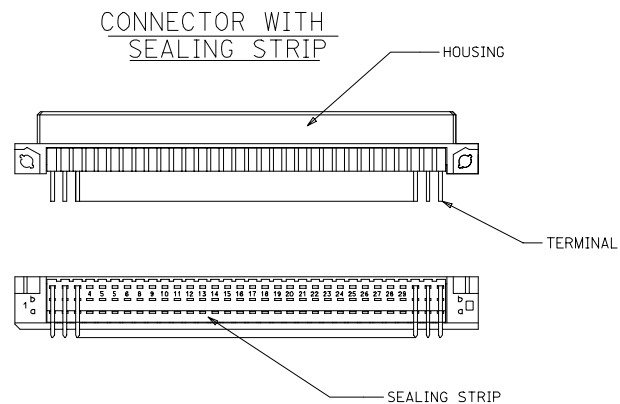
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-36509-001
Sales Drawing	SD-36509-001

This document was generated on 05/13/2010

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	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	MATERIAL No	MOLEX ENG No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	MOUNTING CLIP	SEALING STRIP													
M	36509-0001	MM-B2400-R960	1	Au+Ni	1,2,3....32 a+b+c	NO	NO													
	36509-0002	MM-B2500-R960	2	Au+Ni	1,2,3....32 a+b+c	NO	NO													
	36509-0003	MM-B2600-R960	3	Au+Ni	1,2,3....32 a+b+c	NO	NO													
L																				
	36509-0007	MM-B2400-R910	1	Au+Ni	1,2,3....32 a+b+c	YES	NO													
	36509-0008	MM-B2500-R910	2	Au+Ni	1,2,3....32 a+b+c	YES	NO													
K	36509-0009	MM-B2600-R910	3	Au+Ni	1,2,3....32 a+b+c	YES	NO													
J	36509-0013	MM-B2400-R960-101	1	Au+Ni	1,2,3....32 a+b+c	NO	YES													
	36509-0014	MM-B2500-R960-101	2	Au+Ni	1,2,3....32 a+b+c	NO	YES													
	36509-0015	MM-B2600-R960-101	3	Au+Ni	1,2,3....32 a+b+c	NO	YES													
I																				
	36509-0019	MM-B2400-R910-101	1	Au+Ni	1,2,3....32 a+b+c	YES	YES													
	36509-0020	MM-B2500-R910-101	2	Au+Ni	1,2,3....32 a+b+c	YES	YES													
	36509-0021	MM-B2600-R910-101	3	Au+Ni	1,2,3....32 a+b+c	YES	YES													
H																				

The diagrams illustrate the connector assembly. The top diagram is a side view showing the housing, terminals, and the sealing strip. The bottom diagram is a top view showing the terminal positions and the sealing strip.



RoHS COMPLIANT

EC NO: 12007-0044 DOWNSATTI MARAD CHICKSODHIR APPR:SS3DHR	2006/10/10 2006/10/10 2006/10/18	QUALITY SYMBOLS ▽ ▽	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION														
	DESCRIPTION	<table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± .01</td><td>± .0004</td></tr><tr><td>3 PLACES</td><td>± .005</td><td>± .0002</td></tr><tr><td>2 PLACES</td><td>± .01</td><td>± .0004</td></tr><tr><td>1 PLACE</td><td>± .015</td><td>± .0006</td></tr></tbody></table>		mm	INCH	4 PLACES	± .01	± .0004	3 PLACES	± .005	± .0002	2 PLACES	± .01	± .0004	1 PLACE	± .015	± .0006	DRAWN BY SS	DATE 1999/09/24	TITLE ASSEMBLY, DIN41612 R FEMALE 96 POS	SHEET NO. 2 OF 2
		mm	INCH																		
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3 PLACES	± .005	± .0002																			
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1 PLACE	± .015	± .0006																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY GJLOWE	DATE 1999/09/24	MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-36509-001																	
SIZE A1	MATERIAL NO. SEE CHART	DATE 1999/09/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		