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

General

Product Family	Backplane Connectors
Series	36509
Application	Backplane
Comments	"R" at style represents Right Angle Female DIN Connector
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R

Physical

Circuits (Loaded)	64
Circuits (maximum)	96
Circuits Detail	64
Color - Resin	Gray
Durability (mating cycles max)	500
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, 0.125 In
PCB Thickness Recommended (mm)	1.60 mm, 3.20 mm
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
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No

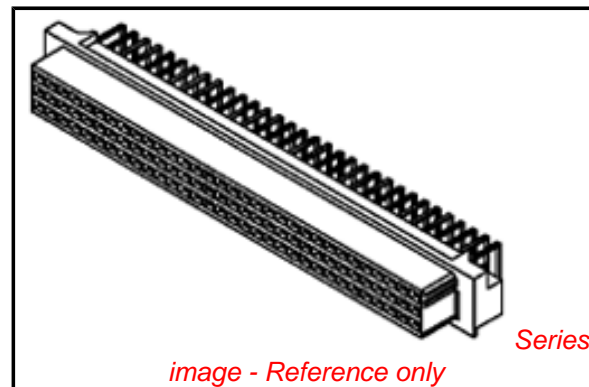


image - Reference only

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

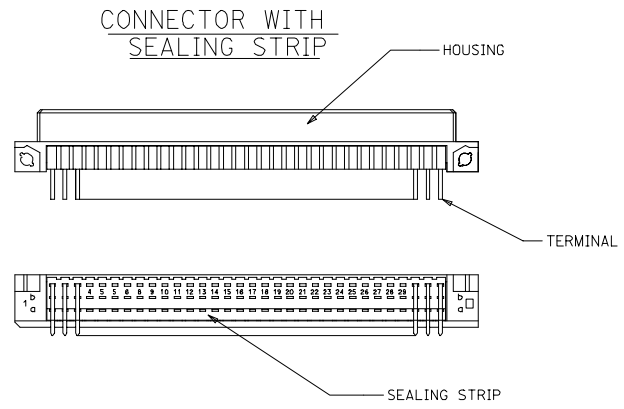
Reference - Drawing Numbers

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

This document was generated on 05/13/2010

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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
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
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
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
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



RoHS COMPLIANT

EC No: 2007/0044 DRAWING: MARAD 2006/10/10 CHKD: SUDHIR 2006/10/11 APPR: SUDHIR 2006/10/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: SS CHECKED BY: G.J. LOWE APPROVED BY: G.J. LOWE	DATE: 1999/09/24 DATE: 1999/09/24 DATE: 1999/09/24	TITLE: ASSEMBLY, DIN41612 R FEMALE, 64 POS A+C LOADED	MATERIAL NO.: SEE CHART DOCUMENT NO.: SD-36509-002	SHEET NO.: 2 OF 2																
D1	DESCRIPTION	MOLEX INCORPORATED THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			