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Part Number:

0365120196

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Vertical, Through Hole, 0.4µm (16µ")
Selective Gold (Au), 48 Circuits, PC Tail Length 2.900mm (.114"),Lead Free

Documents:

Drawing (PDF)

Product Specification PS-36511-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Backplane Connectors

Series

36512

Application

Backplane

Component Type

PCB Header

Overview

din_41612

Product Name

IEC 603-2/DIN 41612

Style

R/2

Physical

Circuits (Loaded)

48

Circuits (maximum)

48

Circuits Detail

1,2,3,...16; a+b+c

Color - Resin

Gray

Durability (mating cycles max)

Contact Molex

First Mate / Last Break

No

Guide to Mating Part

No

Keying to Mating Part

None

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Columns

16

Number of Pairs

Open Pin Field

Number of Rows

2

Orientation

Vertical

PC Tail Length (in)

0.114 In

PC Tail Length (mm)

2.90 mm

PCB Locator

No

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In, 0.125 In

PCB Thickness Recommended (mm)

1.60 mm, 3.20 mm

Packaging Type

Bag

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)

16

Plating min: Mating (µm)

0.40

Polarized to PCB

No

Stackable

No

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

-55°C to +125°C

Termination Interface: Style

Through Hole

Electrical

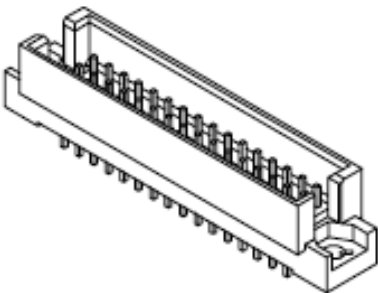


image - Reference only

Series

EU RoHS

Compliance Status

Not Reviewed

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

36512Series

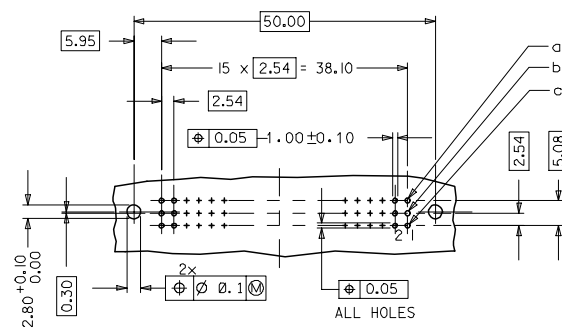
Mates With

36510 PCB Receptacle

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	N/A
Material Info	
Old Part Number	MMB1901R480
Reference - Drawing Numbers	
Packaging Specification	PK-36512-001
Product Specification	PS-36511-001
Sales Drawing	SD-36512-011

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Technical drawing of the 800 series connector. The drawing includes an isometric view of the connector assembly, a top view of the base plate with a circular hole, and a side cross-sectional view. The top view shows a circular hole with a diameter of 2.8 mm, a tolerance of +0.10/-0.00, and a positional tolerance of 0.1 mm. The side view shows the connector's profile with a maximum height of 2.2 mm and a maximum width of 3.1 mm.

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED,
UL94V-0. COLOUR: PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
PERFORMANCE LEVEL : SELECTIVE GOLD (Au), THICKNESS = 0.40 MICROMETER
OVER NICKEL, THICKNESS = 1.50 MICROMETER

TERMINATION AREA:
SELECTIVE TIN, THICKNESS = 2.5 MICROMETER
OVER NICKEL, THICKNESS = 1.50 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: 2 CHEESEHEAD SCREWS M2.5 x DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
- 5) MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING
TO BE PRINTED ON THE CONNECTOR
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
- 7) PRODUCT SPECIFICATION PS : 36511-001

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12007-0514 DFMVMS CHKCDPRASU 2007/06/21 APPCDPRASU 2007/06/21 A	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± 0.05 3 PLACES ± 0.05 2 PLACES ± 0.1 1 PLACE ± 0.15 ANGULAR ± 2°	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			DRAWN BY DATE SS 1999/09/24 CHECKED BY DATE GJLOWE 1999/09/24 APPROVED BY DATE GJLOWE 1999/09/24 MATERIAL NO.	TITLE ASSEMBLY, DIN 41612 R/2 MALE 48 POS SOLDER L = 2.9 Molex MOLEX INCORPORATED DOCUMENT NO.	SHEET NO. 1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2	SD-36512-011		
SIZE Δ 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

