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Part Number:

0365050289

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 B Style Female Receptacle, Vertical, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 64 Circuits, with Mounting Clips, Solder Tail Length 2.90mm (.114"), No Flux Proof, Lead Free

Documents:

[Drawing \(PDF\)](#)

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

[Product Specification PS-36500-001 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	36505
Application	Daughtercard
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	B

Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	1,2,3,...32; a+c
Color - Resin	Natural
Durability (mating cycles max)	400
First Mate / Last Break	Yes
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	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)	0.063 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)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5.00
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No

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

36505Series

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

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

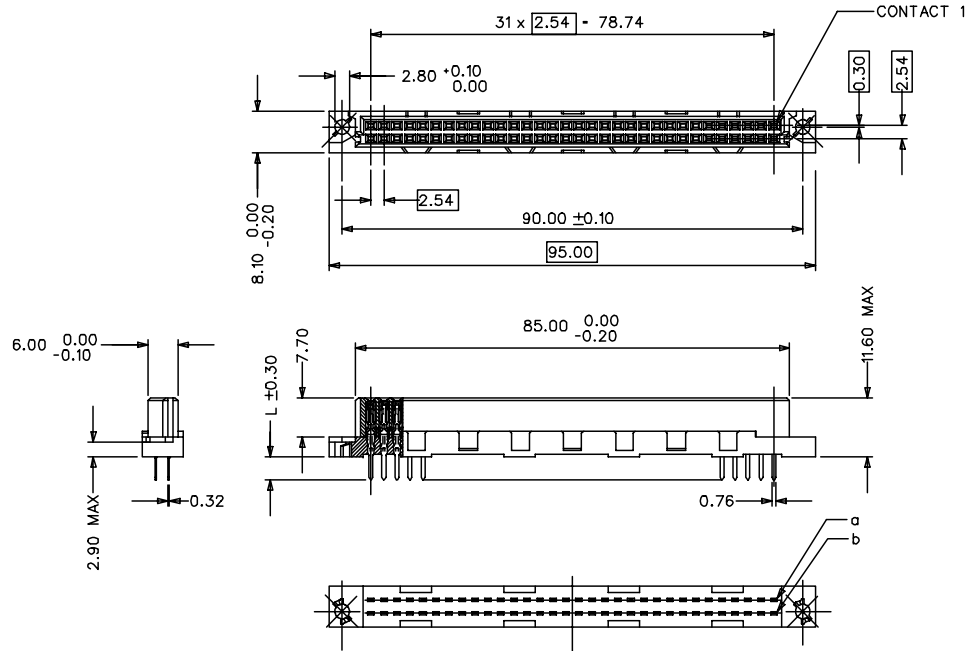
Material Info

Reference - Drawing Numbers

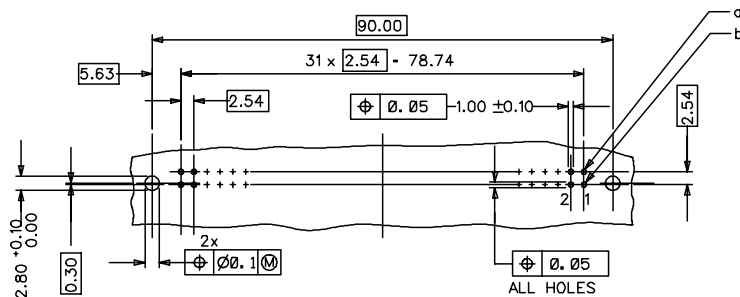
Packaging Specification	PK-36505-001
Product Specification	PS-36500-001
Sales Drawing	SD-36505-007

This document was generated on 05/13/2010

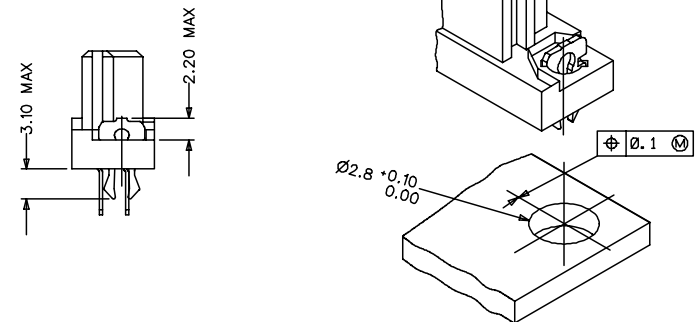
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0. COLOUR: NATURAL
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 = 1.8 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.8 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.8 MICROMETER
TERMINATION AREA:
SELECTIVE TIN, THICKNESS = 5 MICROMETER
OVER NICKEL, THICKNESS = 1.5 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

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12007-0044 DRAWN BY: SIVAKUMAR CHECKED BY: SSUDHIR APPROVED BY: SSUDHIR		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE				
A1	REV		4 PLACES	± 0.05	± ---	SIVAKUMAR	2005/01/27	ASSY, DIN 41612			
			3 PLACES	± 0.05	± ---	CHECKED BY	DATE	B FEMALE, 64 POS			
			2 PLACES	± 0.1	± ---	SSUDHIR	2005/01/27	ROHS COMPLAINT PART			
			1 PLACE	± 0.15	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
			ANGULAR ± 2 °		SSUDHIR	2005/01/27	molex				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-36505-007				SHEET NO. 1 OF 2		
SIZE 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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MATERIAL
No

MOLEX ENG No

PERF
LEVEL

PLATING

CONTACT
SEQUENCE/ROW

DIM "L"
mm

MOUNTING
CLIP

FLUX
PROOF

36505-0289

-

2

Au*Ni

1.2.3....32 a*b

2.9

YES

NO

ENTER DESCRIPTION
EC NO: 1207/0044
DRAWN BY: DR VASANTHARAO 2005/01/27
CHECKED BY: CH KRISHNARAO 2005/01/27
APPROVED BY: APPR:SSUDHIR 2005/01/27

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± ±
3 PLACES ± 0.05 ±
2 PLACES ± 0.1 ±
1 PLACE ± 0.15 ±
ANGULAR ± ±

DIMENSION STYLE
MM ONLY
DRAWN BY: SIVAKUMAR 2005/01/27
CHECKED BY: SSUDHIR 2005/01/27
APPROVED BY: SSUDHIR 2005/01/27

SCALE

TITLE
ASSY, DIN 41612
B FEMALE, 64 POS
ROHS COMPLAINT PART

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

MATERIAL NO.
SD-36505-007

DOCUMENT NO.
SD-36505-007

SHEET NO.
2 OF 2

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SIZE
A1

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RoHS COMPLIANT