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Part Number:

0365820002

Status:

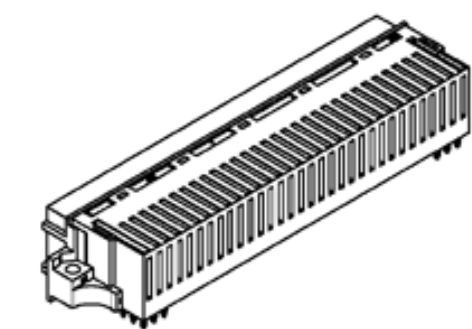
Active

Overview:

din_41612

Description:

2.54mm (0.100") Pitch DIN 41612 Receptacle, Right Angle, Through Hole, Press-Fit Type, 0.8µm (30µ") Selective Gold (Au), 160 circuits, Lead Free



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
- [Product Specification PS-36582-001 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	36582
Application	Daughtercard
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)	160
Circuits (maximum)	160
Circuits Detail	160
Durability (mating cycles max)	30
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	5
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	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)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

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
36582Series

Mates With
36587 Series R Male Press fit Headers

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	49
Shielded	No
Voltage - Maximum	250V AC (RMS)

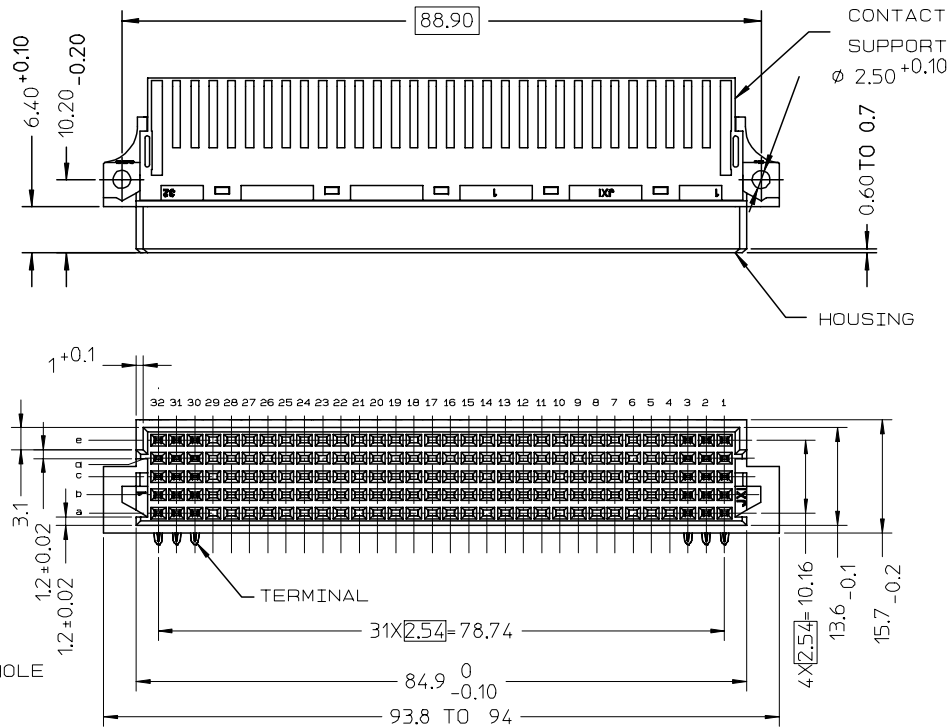
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-36582-001
Product Specification	PS-36582-001
Sales Drawing	SD-36582-001

This document was generated on 05/13/2010

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NOTES :

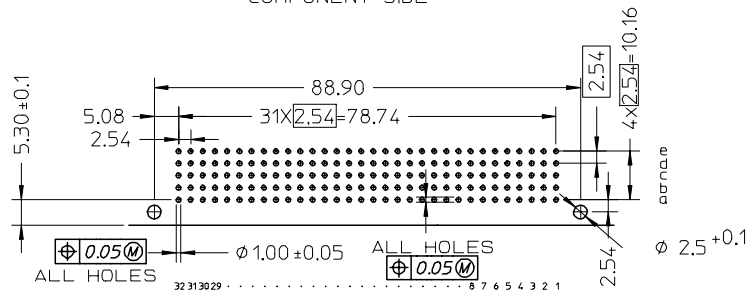
1. MATERIALS:
HOUSING AND CONTACT SUPPORT- THERMOPLASTIC
POLYESTER, GLASS FILLED, UL94V-0.
COLOUR: BLACK
TERMINAL - PHOSPHOR BRONZE.

2. FINISH: TERMINAL:-
CONTACT AREA

- 2.1 PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au),
THICKNESS = 1.25 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
2.2 PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au),
THICKNESS = 0.75 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
2.3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au),
THICKNESS = 0.38 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER

TERMINATION AREA(PRESS IN AREA) : SELECTIVE MATTE TIN,
THICKNESS = 2.5 MICROMETER OVER NICKEL,
THICKNESS = 1.25 MICROMETER OVERALL

3. CONNECTOR TO BE SECURED WITH
RIVETS : 2 TUBULATR RIVETS 2.5X0.3... DIN 7340
SCREWS : 2 CHEESE HEADED SCREWS M2.5X... DIN 84
AND 2 HEX NUTS
4. CUT FACES OF TIP WITHOUT PLATING PERMITTED
5. *MOLEX*, MATERIAL NUMBER, BATCH CODE,
SHALL BE PRINTED ON THE CONNECTOR.
6. PRODUCT SPECIFICATION : PS-36582-001

RECOMENDED PCB LAYOUT
COMPONENT SIDE

EC NO: 12005-0080 DRWN:GDG DATA 2404/12/20 CHKD: SUDHIR 2004/12/20 APPR: SSUDHIR 2004/12/21	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
					DIMENSION STYLE		TITLE BTB,CIRCUIT=160;P=.1 THRU;R/A;DIN41612;FML (PRESS FIT)		
					MM ONLY				
			4 PLACES ± --- ± ---		DRAWN BY DATE		GJLOWE 2003/03/07		
3 PLACES ± --- ± ---		2 PLACES ± 0.1 ± ---							
2 PLACES ± 0.1 ± ---		1 PLACE ± 0.15 ± ---		CHECKED BY DATE		MATERIAL NO. DOCUMENT NO. SHEET NO.			
1 PLACE ± 0.15 ± ---		ANGULAR ± 1 °		GJLOWE 2003/03/07					
DRAFT WHERE APPLICABLE		APPROVED BY DATE		SEE TABLE		SD-36582-001		1 OF 1	
MUST REMAIN WITHIN DIMENSIONS		GJLOWE 2003/03/07		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					