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Part Number: [0365150015](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 R Style Male Header with Wire-Wrap, Vertical, Through Hole Press-Fit, 0.30µm (12µ") Selective Gold (Au) Plating, 96 Circuits, without Mounting Clips, First-Mate-Last-Break at 1,32a;1,32b;1,32c

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-36515-001 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	36515
Application	Backplane
Comments	No Mounting Clips, Secured with Tubular Rivets/ Cheesehead Screws. First-Mate-Last-Break Positions at:1,32a;1,32b;1,32c
Component Type	PCB Header
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	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.522 In
PC Tail Length (mm)	13.25 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	No

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free	
Status	
Not Reviewed	
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
[36515Series](#)

Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin, Wire Wrap

Electrical

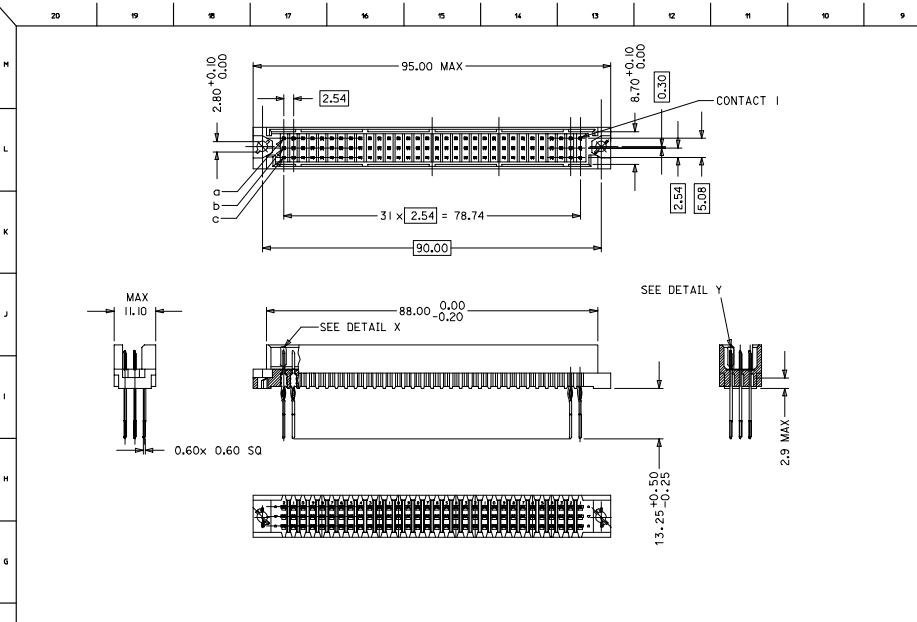
Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info**Reference - Drawing Numbers**

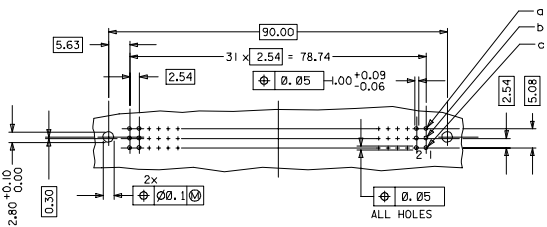
Product Specification	PS-36515-001
Sales Drawing	SD-36515-001

This document was generated on 05/21/2010

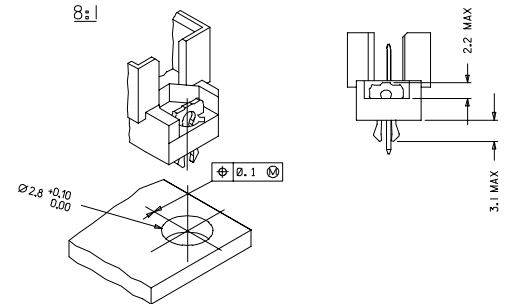
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RECOMMENDED PCB LAYOUT
COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

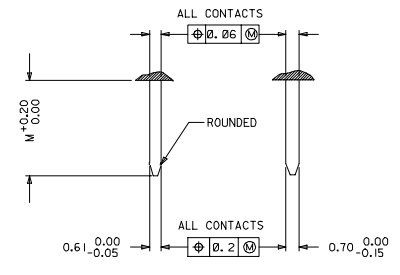
- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 125 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 125 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 125 MICROMETER
PRESS-IN AND WIRE WRAP AREA
SELECTIVE TIN, THICKNESS = 2.5 MICROMETER
OVER NICKEL, THICKNESS = 125 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
TO BE PRINTED ON THE CONNECTOR
- 5) MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
- 7) PRODUCT SPECIFICATION PS-36515-001

RoHS COMPLIANT

EC NO. 2002/95/EC DEKASATILAKARAD 2006/10/10 CHIKKASSUDHIR 2006/10/11 APPR. SUDHIR 2006/10/19	QUALITY SYMBOLS ▽ 0 ▽ 1	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM INCH 2 PLACES ± 0.05 ± 0.0025 3 PLACES ± 0.1 ± 0.005 1 PLACE ± 0.15 ± 0.0075 ANGULAR ± 2°		DIMENSION STYLE MM ONLY DRAWN BY DATE SS 1999/09/24 CHECKED BY DATE GJLDME 1999/09/24 APPROVED BY DATE GJLDME 1999/09/24		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-36515-001	MOLEX INCORPORATED	SHEET NO. 1 OF 2

MATERIAL No.	MOLEX ENG No.	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM 'L' MM	MOUNTING CLIP	FMLB
36515-0001	MM-B1460-R960	1	Au + Ni	L2,3...32 a+b+c	13.25	NO	NO
36515-0002	MM-B1560-R960	2	Au + Ni	L2,3...32 a+b+c	13.25	NO	NO
36515-0003	MM-B1660-R960	3	Au + Ni	L2,3...32 a+b+c	13.25	NO	NO
36515-0007	MM-B1460-R910	1	Au + Ni	L2,3...32 a+b+c	13.25	YES	NO
36515-0008	MM-B1560-R910	2	Au + Ni	L2,3...32 a+b+c	13.25	YES	NO
36515-0009	MM-B1660-R910	3	Au + Ni	L2,3...32 a+b+c	13.25	YES	NO
36515-0013	MM-B1460-R930	1	Au + Ni	L2,3...32 a+b+c	13.25	NO	1,32a 1,32b 1,32c
36515-0014	MM-B1560-R930	2	Au + Ni	L2,3...32 a+b+c	13.25	NO	1,32a 1,32b 1,32c
36515-0015	MM-B1660-R930	3	Au + Ni	L2,3...32 a+b+c	13.25	NO	1,32a 1,32b 1,32c
36515-0019	MM-B1460-R950	1	Au + Ni	L2,3...32 a+b+c	13.25	YES	1,32a 1,32b 1,32c
36515-0020	MM-B1560-R950	2	Au + Ni	L2,3...32 a+b+c	13.25	YES	1,32a 1,32b 1,32c
36515-0021	MM-B1660-R950	3	Au + Ni	L2,3...32 a+b+c	13.25	YES	1,32a 1,32b 1,32c

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	M

RoHS COMPLIANT

EC No: 2007-0044 DENSA SATTIMARU CHIKUSSHI APRESSEHUB 2006/10/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ±0.15 ±0.005 3 PLACES ±0.005 ±0.005 2 PLACES ±0.1 ±0.005 1 PLACE ±0.15 ±0.005 ANGULAR ± 2°	MM ONLY	2:1	METRIC	
	DRAWN BY DATE SS 1999/09/24 CHECKED BY DATE S.J.LOWE 1999/09/24 APPROVED BY DATE S.J.LOWE 1999/09/24	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART DOCUMENT NO. SD-36515-001	TITLE ASSEMBLY, DIN 41612 R MALE, 96 POS, PRESS-IN WITH WIRE WRAP	MOLEX INCORPORATED	SHEET NO. 2 OF 2
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					