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Part Number:

0365150146

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 R Style Male Header with Wire-Wrap, Vertical, Through Hole Press-Fit, 0.60µm (24µ") Selective Gold (Au) Plating, 64 Circuits, without Mounting Clips, No First-Mate-Last-Break, Solder tail Length 13.25mm(.522"), 2.50µm (100µ")

Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-36515-001 \(PDF\)](#)

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

General	
Product Family	Backplane Connectors
Series	36515
Application	Backplane
Comments	No Mounting Clips, Secured with Tubular Rivets/ Cheesehead Screws. No First-Mate-Last-Break
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R

Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	1,2,3,...32; a+c
Color - Resin	Gray
Durability (mating cycles max)	400
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	Nickel
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	2
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)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	49
Plating min: Termination (µm)	1.25
Polarized to PCB	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

[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)

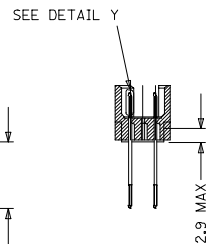
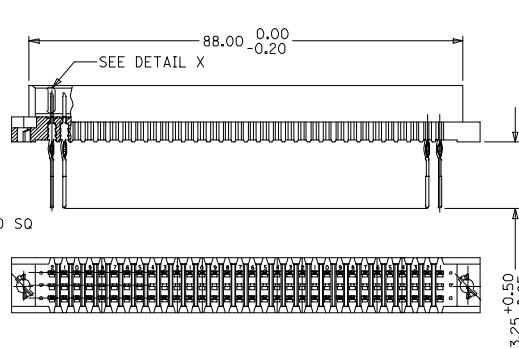
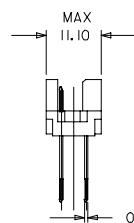
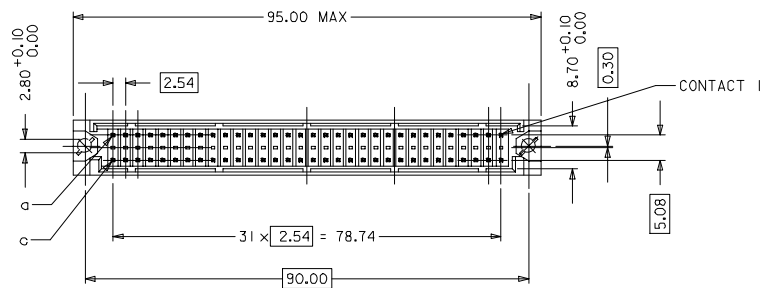
Material Info

Reference - Drawing Numbers

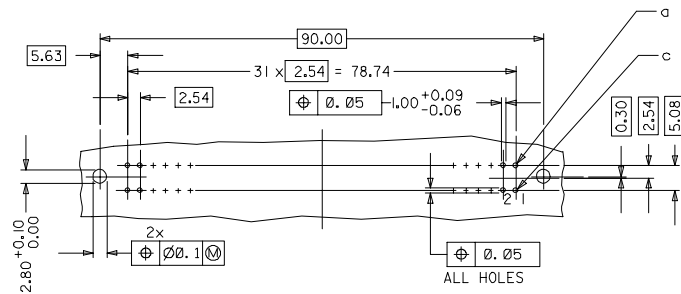
Product Specification	PS-36515-001
Sales Drawing	SD-36515-007

This document was generated on 05/13/2010

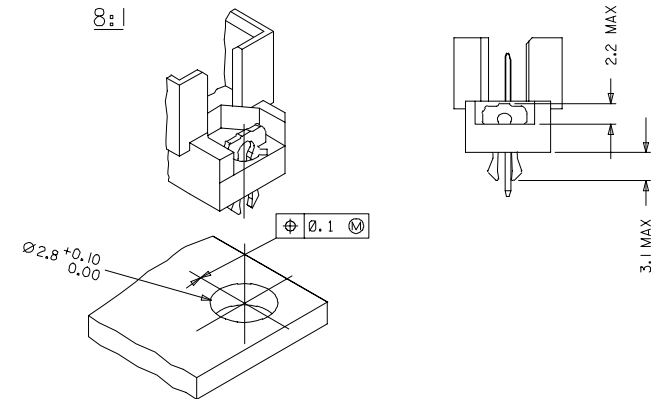
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

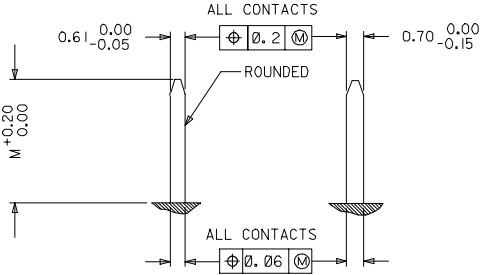
- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0 COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
PRESS-IN AND WIRE WRAP AREA :
SELECTIVE TIN, THICKNESS = 2.5 MICROMETER
OVER NICKEL, THICKNESS = 1.25 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-36515-001

RoHS COMPLIANT

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
				MM ONLY		2:1		METRIC			
▽=0		4 PLACES ±		SS		1999/09/24				ASSEMBLY, DIN 41612	
▽=0		3 PLACES ±0.05		GJLOWE		1999/09/24				PRESS-IN, WIRE WRAP	
		2 PLACES ±0.1		GJLOWE		1999/09/24				MOLEX INCORPORATED	
		1 PLACE ±0.15		ANGULAR ± 2°							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-36515-007		SHEET NO. 1 OF 2	
						SIZE A1					

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
M	MATERIAL No.	MOLEX ENG No.	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" MM	MOUNTING CLIP	FMLB												
	36515-0145	MM-B1460-R963	1	Au + Ni	1,2,3...32 a+c	13.25	NO	NO												
	36515-0146	MM-B1560-R963	2	Au + Ni	1,2,3...32 a+c	13.25	NO	NO												
	36515-0147	MM-B1660-R963	3	Au + Ni	1,2,3...32 a+c	13.25	NO	NO												
L																				
	36515-0151	MM-B1460-R913	1	Au + Ni	1,2,3...32 a+c	13.25	YES	NO												
	36515-0152	MM-B1560-R913	2	Au + Ni	1,2,3...32 a+c	13.25	YES	NO												
K	36515-0153	MM-B1660-R913	3	Au + Ni	1,2,3...32 a+c	13.25	YES	NO												
	36515-0157	MM-B1460-R933	1	Au + Ni	1,2,3...32 a+c	13.25	NO	1,32a 1,32c												
	36515-0158	MM-B1560-R933	2	Au + Ni	1,2,3...32 a+c	13.25	NO	1,32a 1,32c												
	36515-0159	MM-B1660-R933	3	Au + Ni	1,2,3...32 a+c	13.25	NO	1,32a 1,32c												
	36515-0163	MM-B1460-R953	1	Au + Ni	1,2,3...32 a+c	13.25	YES	1,32a 1,32c												
	36515-0164	MM-B1560-R953	2	Au + Ni	1,2,3...32 a+c	13.25	YES	1,32a 1,32c												
	36515-0165	MM-B1660-R953	3	Au + Ni	1,2,3...32 a+c	13.25	YES	1,32a 1,32c												
H																				
B																				
F																				
E																				
D																				
C																				
B																				
A																				

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	M

RoHS COMPLIANT

EC No: 2007/0044 DRAWN BY: DRINGSATTI HARID 2006/10/10 CHECKED BY: CHIKKOSUBIR 2006/10/11 APPROVED BY: APPR:SSUBIR 2006/10/15	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION														
		<table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± 0.05</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.1</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.15</td><td>± ---</td></tr></tbody></table>			mm	INCH	4 PLACES		± ---	± ---	3 PLACES	± 0.05	± ---	2 PLACES	± 0.1	± ---	1 PLACE	± 0.15	± ---	DRAWN BY SS	DATE 1999/09/24	TITLE ASSEMBLY, DIN 41612
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1 PLACE	± 0.15	± ---																				
		CHECKED BY GJLOWE	DATE 1999/09/24	PRESS-IN, WIRE WRAP																		
		APPROVED BY GJLOWE	DATE 1999/09/24	MOLEX INCORPORATED																		
C1	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-36515-007		SHEET NO. 2 OF 2														
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				