

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365150194

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, Solderail Length 4.00mm(.157"), Lead Free

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)	0.157 In
PC Tail Length (mm)	4.00 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
Stackable	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

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)

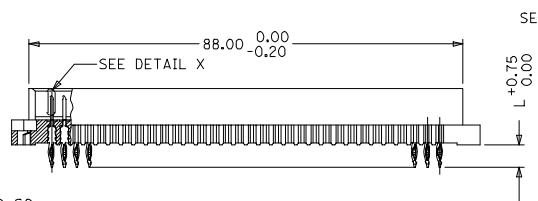
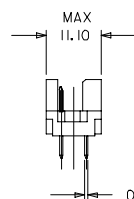
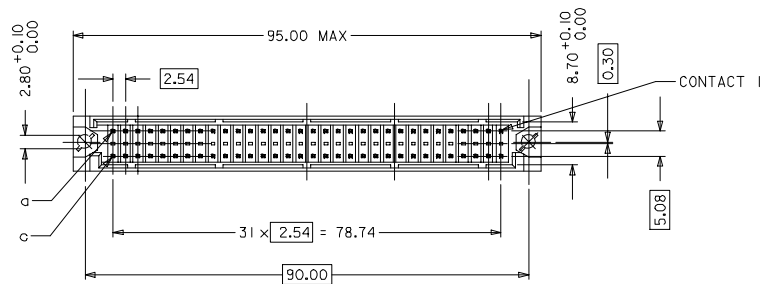
Material Info

Reference - Drawing Numbers

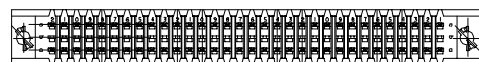
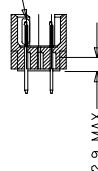
Product Specification	PS-36515-001
Sales Drawing	SD-36515-009

This document was generated on 05/13/2010

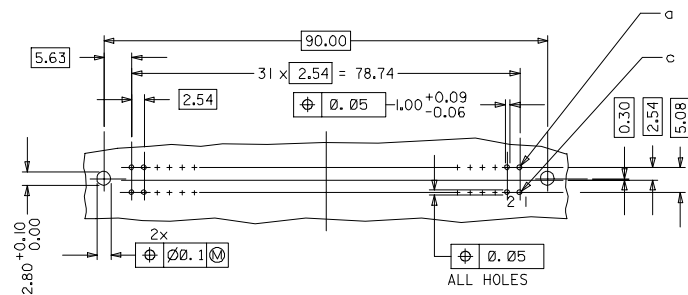
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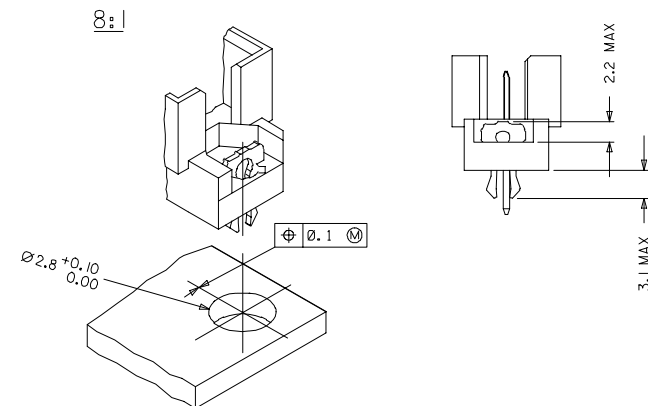
SEE DETAIL Y



RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

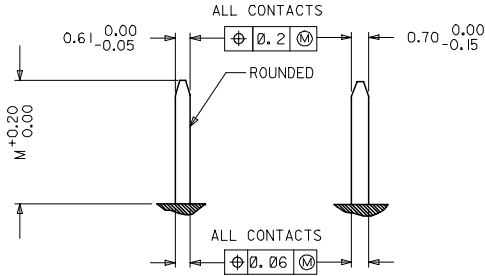
- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
2. PERFORMANCE 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 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 ±		DRAWN BY		DATE					
▽=0		3 PLACES ±		SS		1999/09/24					
		2 PLACES ±		CHECKED BY		DATE					
		1 PLACE ±		GJLOWE		1999/09/24					
		ANGULAR ± 2°		APPROVED BY		DATE					
				GJLOWE		1999/09/24					
				MATERIAL NO.		DOCUMENT NO.					
				SEE CHART		SD-36515-009					
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

	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												
	36515-0193	MM-B1463-R963	1	Au + Ni	1,2,3...32 a+c	4	NO	NO												
	36515-0194	MM-B1563-R963	2	Au + Ni	1,2,3...32 a+c	4	NO	NO												
	36515-0195	MM-B1663-R963	3	Au + Ni	1,2,3...32 a+c	4	NO	NO												
L						4	NO													
	36515-0199	MM-B1463-R913	1	Au + Ni	1,2,3...32 a+c	4	YES	NO												
	36515-0200	MM-B1563-R913	2	Au + Ni	1,2,3...32 a+c	4	YES	NO												
K	36515-0201	MM-B1663-R913	3	Au + Ni	1,2,3...32 a+c	4	YES	NO												
J	36515-0205	MM-B1463-R933	1	Au + Ni	1,2,3...32 a+c	4	NO	1,32a 1,32c												
	36515-0206	MM-B1563-R933	2	Au + Ni	1,2,3...32 a+c	4	NO	1,32a 1,32c												
	36515-0207	MM-B1663-R933	3	Au + Ni	1,2,3...32 a+c	4	NO	1,32a 1,32c												
I																				
	36515-0211	MM-B1463-R953	1	Au + Ni	1,2,3...32 a+c	4	YES	1,32a 1,32c												
	36515-0212	MM-B1563-R953	2	Au + Ni	1,2,3...32 a+c	4	YES	1,32a 1,32c												
	36515-0213	MM-B1663-R953	3	Au + Ni	1,2,3...32 a+c	4	YES	1,32a 1,32c												
H																				
G																				
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: DRANGATTI HARID 2006/10/10 CHECKED BY: CHIKKOSUBIR 2006/10/11 APPR-SSUBIR 2006/10/17	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>±</td><td>---</td><td>±</td><td>---</td></tr><tr><td>3 PLACES</td><td>±</td><td>0.05</td><td>±</td><td>---</td></tr><tr><td>2 PLACES</td><td>±</td><td>0.1</td><td>±</td><td>---</td></tr><tr><td>1 PLACE</td><td>±</td><td>0.15</td><td>±</td><td>---</td></tr><tr><td colspan="2">ANGULAR</td><td colspan="2">±</td><td>2 °</td></tr></table>		mm	INCH	4 PLACES	±	---	±	---	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
				mm	INCH																													
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2 PLACES	±	0.1	±	---																														
1 PLACE	±	0.15	±	---																														
ANGULAR		±		2 °																														
DRAWN BY DATE		TITLE ASSEMBLY, DIN 41612 R MALE, 64 POS A+C LOADED, PRESS-IN L=4	MATERIAL NO. SD-36515-009	DOCUMENT NO. SD-36515-009	SHEET NO. 2 OF 2																													
SS 1999/09/24																																		
CHECKED BY DATE																																		
GJLOWE 1999/09/24		MOLEX MOLEX INCORPORATED																																
APPROVED BY DATE																																		
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART																																
SIZE A/1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																