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Part Number:

0365140002

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 R Style Male Header with Wire-Wrap, Vertical, Through Hole Press-Fit, 0.80µm (32µ") Selective Gold (Au) Plating Contact, Gold (Au) Flash Press-In and Wire-Wrap Area, 3 rows, 120 Circuits, Lead Free

Documents:

[Drawing \(PDF\)](#)

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

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

General	
Product Family	Backplane Connectors
Series	36514
Application	Backplane
Comments	No Premating Contact
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R
Physical	
Circuits (Loaded)	120
Circuits (maximum)	120
Circuits Detail	1,2,3,...40; a+b+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	40
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)	32
Plating min: Mating (µm)	0.80
Plating min: Termination (µin)	49.2
Plating min: Termination (µm)	1.25
Polarized to PCB	No
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

36514Series

Temperature Range - Operating

Termination Interface: Style

-55°C to +125°C

Through Hole - Compliant Pin, Wire Wrap

Electrical

Current - Maximum per Contact

Data Rate

Voltage - Maximum

1A

622.0 Mbps

250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification

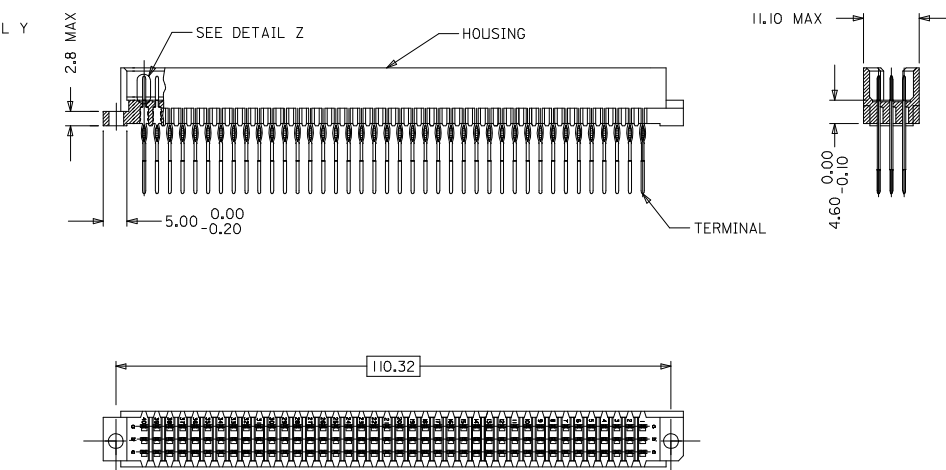
Sales Drawing

PS-36515-001

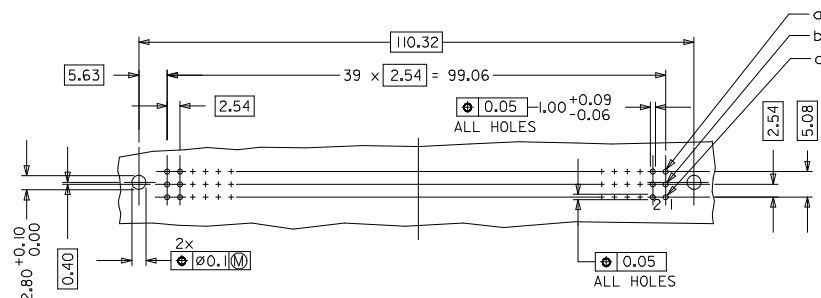
SD-36514-002

This document was generated on 05/13/2010

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RECOMMENDED PCB LAYOUT
COMPONENT SIDE



NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0.
COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
- 2) FINISH: CONTACT AREA

PERFORMANCE LEVEL 2: SLECTIVE GOLD (Au), THICKNESS = 0.6 MIRCOMETER,
OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN

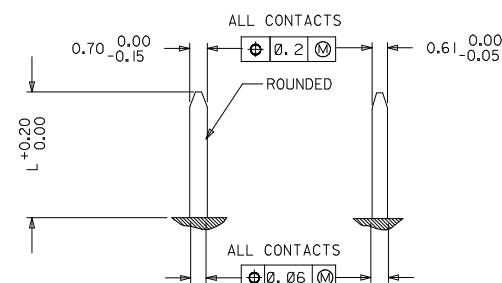
PRESS-IN AREA : AU FLASH, OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN OVERALL

WRAP AREA : AU FLASH, OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN OVERALL

TRANSFER PLUGGING AREA :
PERFORMANCE LEVEL 2 : SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER,
OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN OVERALL

- 3) MATERIAL NUMBER, BATCH CODE UL AND CSA MARKING TO BE PRINTED ON THE CONNECTOR
4) CUT FACES OF TIP WITHOUT PLATING PERMITTED
5) PRODUCT SPECIFICATION : PS: 36515-001

DETAIL Z DETAIL Y



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NORMAL CONTACTS	4.8

RoHS COMPLIANT

EC NO: 2007-0772 DRAWING NO: 2008.06.17 CHKD: JSS/HR APPR: KARSAD 2009.01.22		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>± .125</td><td>± .005</td></tr><tr><td>3 PLACES ±</td><td>± .005</td><td>± .005</td></tr><tr><td>2 PLACES ±</td><td>± .01</td><td>± .005</td></tr><tr><td>1 PLACE ±</td><td>± .015</td><td>± .005</td></tr></table>		mm	INCH	4 PLACES ±	± .125	± .005	3 PLACES ±	± .005	± .005	2 PLACES ±	± .01	± .005	1 PLACE ±	± .015	± .005	DIMENSION STYLE MM ONLY DRAWN BY DATE SS 1999/11/23 CHECKED BY DATE GJLOWE 1999/11/23 APPROVED BY DATE GJLOWE 1999/11/23	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm	INCH																				
4 PLACES ±	± .125	± .005																				
3 PLACES ±	± .005	± .005																				
2 PLACES ±	± .01	± .005																				
1 PLACE ±	± .015	± .005																				
C1	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 36514-0002 SIZE A1	DOCUMENT NO. SD-36514-002	ASSEMBLY, DIN 4162 WITH WIRE WRAP MOLEX INCORPORATED																
				SHEET NO. 1 OF 1																		