molex
one company > a world of innovation

This document was generated on 05/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0365110122
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style R, Through Hole, Vertical, 0.60µm (24µ") Gold (Au) Plating, Tail Length 4.50mm (.177"), 64 Circuits

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-36511-001 (PDF)

General

Product Family	Backplane Connectors
Series	36511
Application	Backplane
Comments	No Mounting Clip
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	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.177 In
PC Tail Length (mm)	4.50 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In, 0.125 In
PCB Thickness Recommended (mm)	1.60 mm, 3.20 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
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

Electrical

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
36511Series

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	1000V (RMS)

Material Info

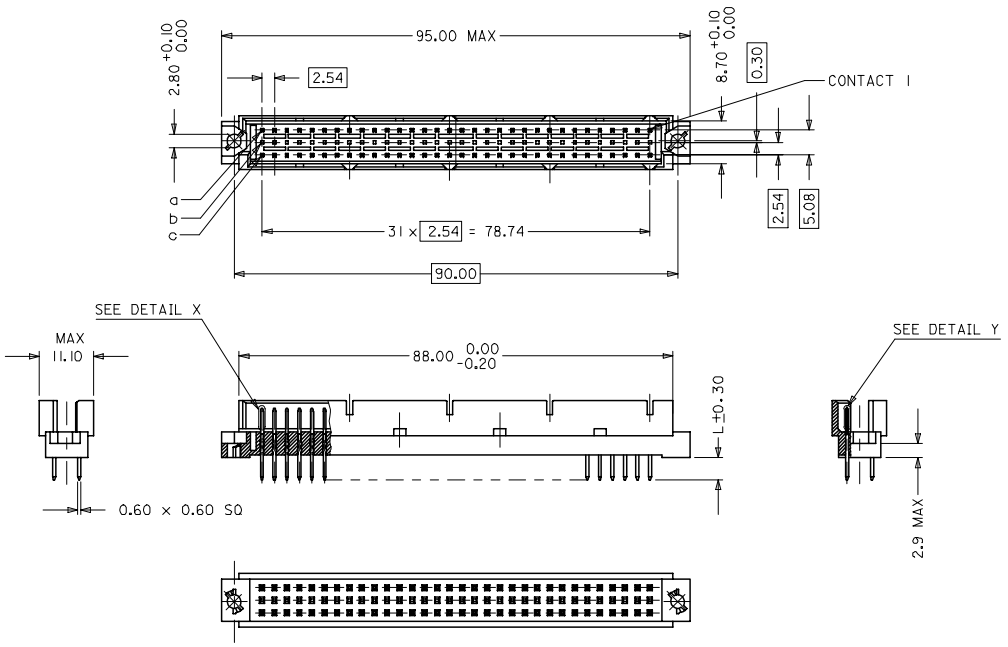
Old Part Number	MMB1502R963

Reference - Drawing Numbers

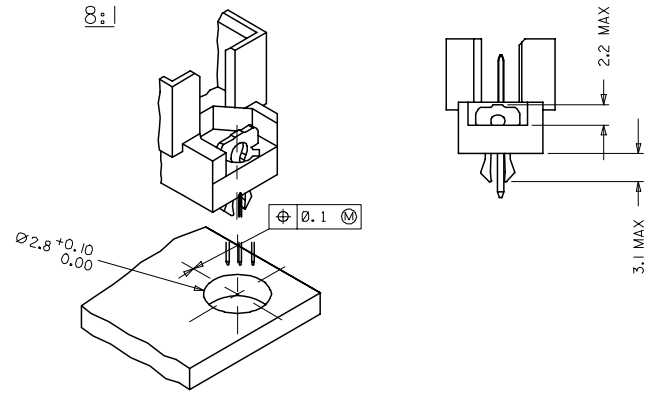
Packaging Specification	PK-36511-001
Product Specification	PS-36511-001
Sales Drawing	SD-36511-004

This document was generated on 05/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



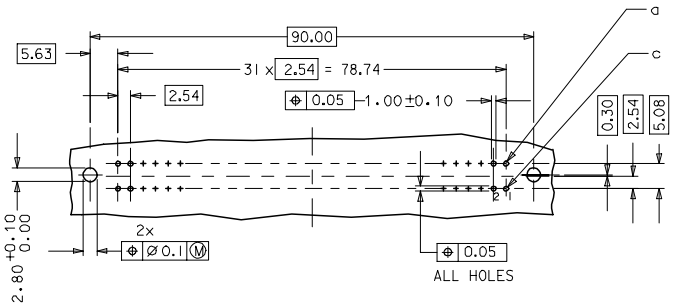
WITH MOUNTING CLIPS



NOTES:

1) MATERIALS: THERMOPLASTIC POLYESTER,GLASS FILLED, UL94V-0.COLOUR: PEBBLE GREY RAL 7032
   TERMINAL - BRASS
   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
   TERMINATION 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 : 36511-001

RECOMMENDED PCB LAYOUT
COMPONENT SIDE



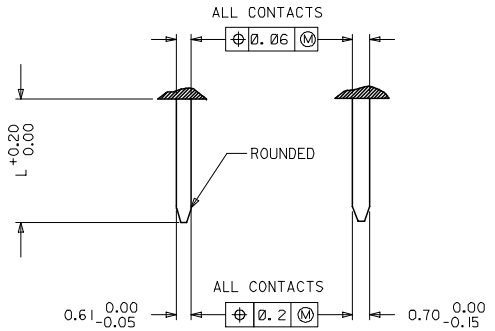
RoHS COMPLIANT

EC NO: I2007-0044 2006/10/10 DRWN:SAITIMARAD 2006/10/11 CHKD:SSUDHIR 2006/10/11 APPR:SSUDHIR 2006/10/17 DESCRIPTION	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ±--- 3 PLACES ± 0.05 / ±--- 2 PLACES ± 0.1 / ±--- 1 PLACE ± 0.15 / ±--- ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: SS DATE: 1999/09/24 CHECKED BY: GJLOWE DATE: 1999/09/24 APPROVED BY: GJLOWE DATE: 1999/09/24 MATERIAL NO.: SEE CHART	SCALE: 2:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: ASSEMBLY, DIN 41612 R MALE 64 SOLDER MOLEX INCORPORATED DOCUMENT NO.: SD-36511-004 SHEET NO.: 1 OF 2	REV: B1	SIZE: A1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MATERIAL No.	MOLEX ENG No.	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" MM	MOUNTING CLIP	FMLB
36511-0097	MM-B1401-R963	1	Au + Ni	1.2.3...32 a+c	2.9	NO	NO
36511-0098	MM-B1501-R963	2	Au + Ni	1.2.3...32 a+c	2.9	NO	NO
36511-0099	MM-B1601-R963	3	Au + Ni	1.2.3...32 a+c	2.9	NO	NO
36511-0103	MM-B1401-R913	1	Au + Ni	1.2.3...32 a+c	2.9	YES	NO
36511-0104	MM-B1501-R913	2	Au + Ni	1.2.3...32 a+c	2.9	YES	NO
36511-0105	MM-B1601-R913	3	Au + Ni	1.2.3...32 a+c	2.9	YES	NO
36511-0109	MM-B1401-R933	1	Au + Ni	1.2.3...32 a+c	2.9	NO	1,32a 1,32c
36511-0110	MM-B1501-R933	2	Au + Ni	1.2.3...32 a+c	2.9	NO	1,32a 1,32c
36511-0111	MM-B1601-R933	3	Au + Ni	1.2.3...32 a+c	2.9	NO	1,32a 1,32c
36511-0115	MM-B1401-R953	1	Au + Ni	1.2.3...32 a+c	2.9	YES	1,32a 1,32c
36511-0116	MM-B1501-R953	2	Au + Ni	1.2.3...32 a+c	2.9	YES	1,32a 1,32c
36511-0117	MM-B1601-R953	3	Au + Ni	1.2.3...32 a+c	2.9	YES	1,32a 1,32c
36511-0121	MM-B1402-R963	1	Au + Ni	1.2.3...32 a+c	4.5	NO	NO
36511-0122	MM-B1502-R963	2	Au + Ni	1.2.3...32 a+c	4.5	NO	NO
36511-0123	MM-B1602-R963	3	Au + Ni	1.2.3...32 a+c	4.5	NO	NO
36511-0127	MM-B1402-R913	1	Au + Ni	1.2.3...32 a+c	4.5	YES	NO
36511-0128	MM-B1502-R913	2	Au + Ni	1.2.3...32 a+c	4.5	YES	NO
36511-0129	MM-B1602-R913	3	Au + Ni	1.2.3...32 a+c	4.5	YES	NO
36511-0133	MM-B1402-R933	1	Au + Ni	1.2.3...32 a+c	4.5	NO	1,32a 1,32c
36511-0134	MM-B1502-R933	2	Au + Ni	1.2.3...32 a+c	4.5	NO	1,32a 1,32c
36511-0135	MM-B1602-R933	3	Au + Ni	1.2.3...32 a+c	4.5	NO	1,32a 1,32c
36511-0139	MM-B1402-R953	1	Au + Ni	1.2.3...32 a+c	4.5	YES	1,32a 1,32c
36511-0140	MM-B1502-R953	2	Au + Ni	1.2.3...32 a+c	4.5	YES	1,32a 1,32c
36511-0141	MM-B1602-R953	3	Au + Ni	1.2.3...32 a+c	4.5	YES	1,32a 1,32c

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	L

RoHS COMPLIANT

EC NO: I2007-0044 2006/10/10
DRWN:SATTIMARAD 2006/10/11
CHKD:SSUDHIR 2006/10/17
APPR:SSUDHIR DESCRIPTION
B1 REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.05	± ---
2 PLACES	± 0.1	± ---
1 PLACE	± 0.15	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SS DATE: 1999/09/24
CHECKED BY: GJLOWE DATE: 1999/09/24
APPROVED BY: GJLOWE DATE: 1999/09/24
MATERIAL NO.: SEE CHART

TITLE: ASSEMBLY, DIN 41612 R MALE 64 POS SOLDER

MOLEX INCORPORATED

DOCUMENT NO.: SD-36511-004
SHEET NO.: 2 OF 2
SIZE: A1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION