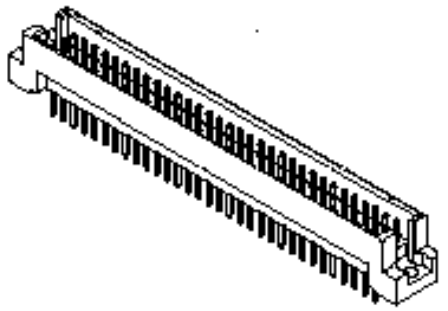
This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0850132282
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, C-Pin Press-Fit Style R Reverse, 1µm (40µ") Selective Gold (Au), 64 Circuits, Lead free



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-85013-0002 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85013
Application	Daughtercard
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R

Physical

Circuits (Loaded)	64
Circuits (maximum)	96
Circuits Detail	Rows A & C
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
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
Packaging Type	Tray
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)	39
Plating min: Mating (µm)	1
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

Electrical

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	30

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
85013Series

Mates With
85042 DIN 41612 Receptacle . 85052 DIN 41612 Header

Use With
85089-1079 Press-in Tool

Shielded	No
Voltage - Maximum	1000V (RMS)

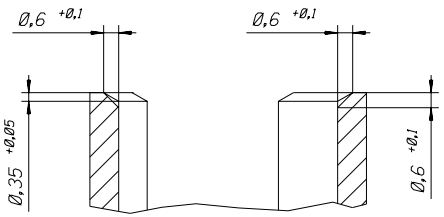
Material Info

Reference - Drawing Numbers

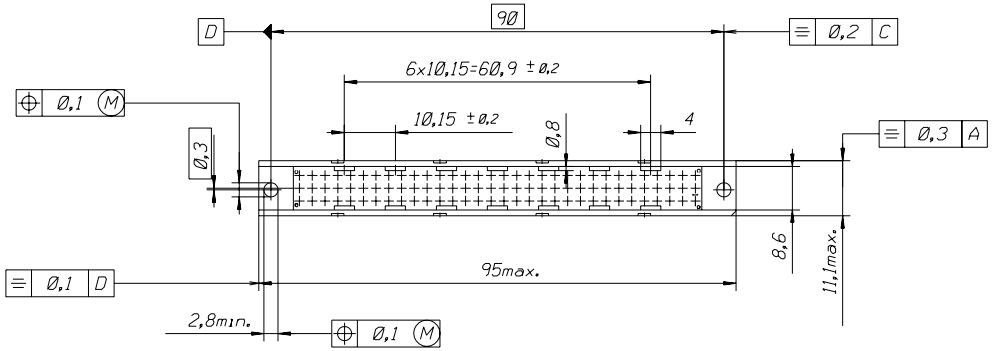
Product Specification	PS-85013-0002
Sales Drawing	610-6043-201, SD-85013-2282

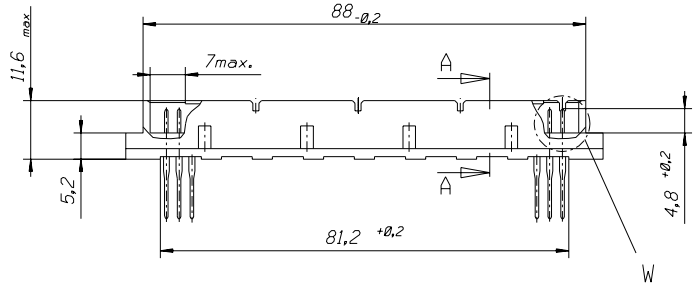
This document was generated on 05/17/2010

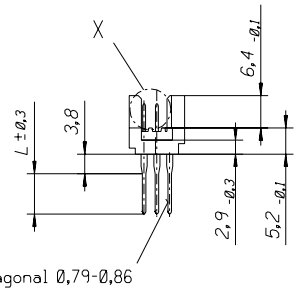
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

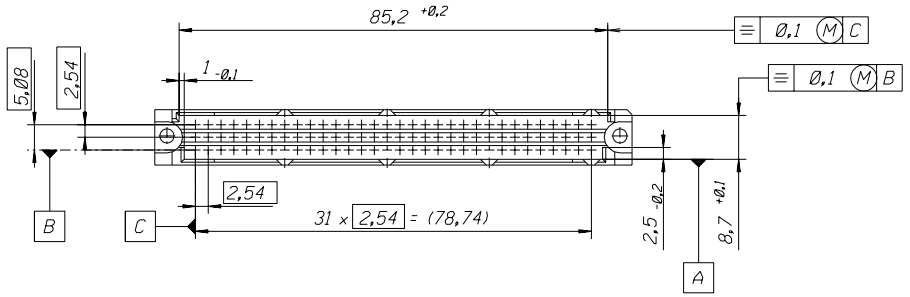


section A-A
5:1

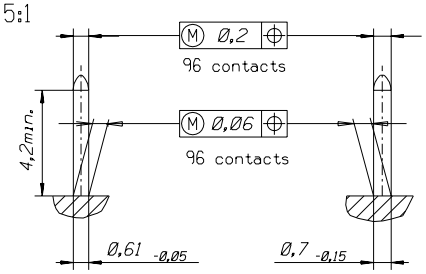








View X
5:1



View W
5:1

PART NO.
DWG. NO.

ECN MG2003-0052	WM	RELEASE	02-08-15	Er			
LTR	REVISIONS						

FOR PREVIOUS REVISIONS SEE MRI LIST

FIRST ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2'

	INCH		METRIC
3 PLACE	±	.	±
2 PLACE	±	.	±
1 PLACE	±	.	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ MM ☐ IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY

DRWG BY	Ca	SIGN
CHK'D BY	KN	SIGN
APP'D BY		SIGN
SCALE	1:1	

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

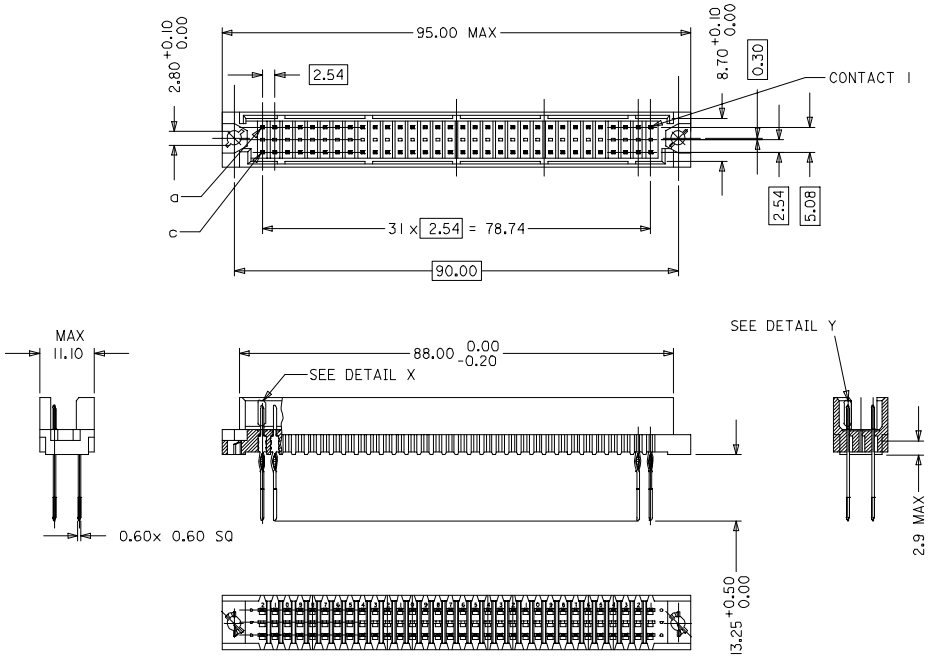
TITLE
96 pos. Male connector
DIN 41612 style R (C-Pin)
Dimensions

molex MOLEX EUROPE

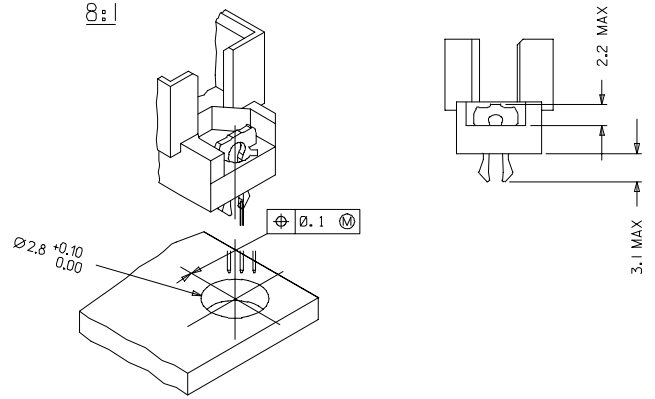
SHEET NO.	DATE
1 OF 3	91/11/28

PART NO.	DWG NO.	SIZE
see sh. no. 2 of 3	610-6043-201	B

7132-1283



WITH MOUNTING CLIPS



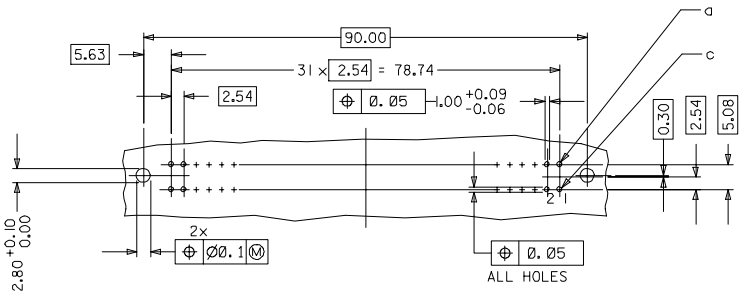
NOTES:

1) MATERIALS: THERMOPLASTIC POLYESTER,GLASS FILLED, UL94-V0
   COLOUR: PEBBLE GREY RAL 7032
   TERMINAL - PHOSPHOR BRONZE
   MOUNTING CLIP: STEEL
2) FINISH: TERMINAL:-
   CONTACT AREA :
   PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.8 MICROMETER
   OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN

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

   WIRE WRAP AREA :
   PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.8 MICROMETER
   OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN
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

RECOMMENDED PCB LAYOUT
COMPONENT SIDE



EC NO:	DESCRIPTION	DATE
12005-0365		2005/01/10
DRWN:SIVAKUMAR		2005/01/10
CHKD:SSUDHIR		2005/01/10
APPR:KPRASAD		

REV: A

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

		DATE
DRAWN BY	SIVAKUMAR	2005/01/06
CHECKED BY	SSUDHIR	2005/01/06
APPROVED BY	SSUDHIR	2005/01/06

TITLE: ASSY, DIN 41612, R MALE 64POS, A+C LOADED, PRESS-IN, WIRE WRAP

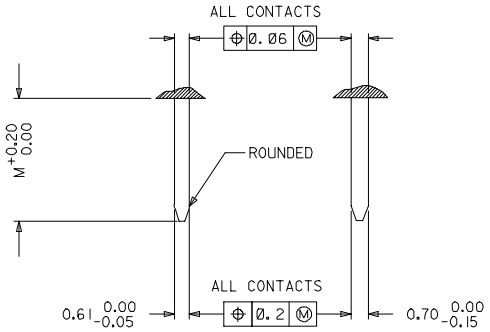
MOLEX INCORPORATED

MATERIAL NO.: 85013-2282
DOCUMENT NO.: SD-85013-2282
SHEET NO.: 1 OF 2
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	FINISH		CONTACT SEQUENCE/ROW	DIM "L" MM	MOUNTING CLIP	FMLB
			CONTACT AREA	TERMINATION AREA				
85013-2282	-	2	Au + Ni	Au + Ni	1.2.3...32 a+c	13.25	NO	NO

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	M

EC NO: I2005-0365 2005/01/10
DRWN:SIVAKUMAR 2005/01/10
CHKD:SSUDHIR 2005/01/10
APPR:KPRASAD 2005/01/10
DESCRIPTION
REV A

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: SIVAKUMAR DATE: 2005/01/06
CHECKED BY: SSUDHIR DATE: 2005/01/06
APPROVED BY: SSUDHIR DATE: 2005/01/06
MATERIAL NO.: 85013-2282

TITLE: ASSY, DIN 41612, R MALE 64POS, A+C LOADED, PRESS-IN, WIRE WRAP

MOLEX INCORPORATED

DOCUMENT NO.: SD-85013-2282
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