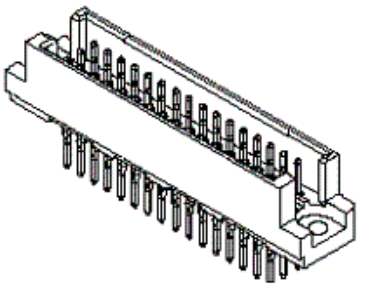
This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0850132127
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R/2 Reverse, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85013
Application	Daughtercard
Comments	10 Day Industrial Environment (S02)
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
Circuits Detail	Rows A, B, & 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	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Bag
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	1A
Data Rate	622.0 Mbps

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

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)

Material Info

Reference - Drawing Numbers

Sales Drawing	E-85013-2127, SD-85013-2127, SDA-85013-0002, SDA-85013-2127

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

VIEW ON MATING SIDE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
b	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
a	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G1/0 = CONTACT AREA LEVEL1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85013-0002 SHT 1-2

A	G1/0	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36520-0002	1
2	TERMINAL	A	36527-0004	48

ENTER DESCRIPTION
EC NO: I2005-0313 2004/12/16
DRWN:SIVAKUMAR 2004/12/29
CHKD:SSUDHIR 2005/11/09
APPR:KPRASAD
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SS	2004/03/31
CHECKED BY	SSUDHIR	2004/03/31
APPROVED BY	SSUDHIR	2004/03/31
MATERIAL NO.	ENTER PART	

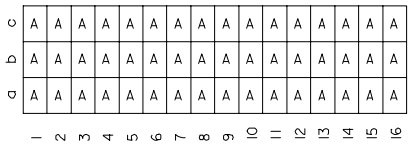
TITLE: 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS

MOLEX INCORPORATED

DOCUMENT NO. E-85013-2127
SHEET NO. 1 OF 1
SIZE A1

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

VIEW ON MATING SIDE



A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G1/0 = CONTACT AREA LEVEL1 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0002 SHT 1

A	G1/0	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 1 2002-XXXX
DRWN N.S 31/03/04
CHK'd G.L. 31/03/04
APPR'd G.L. 31/03/04
DESCRIPTION
A
REV

QUALITY SYMBOLS
MAJOR
CRITICAL (C)

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ± °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

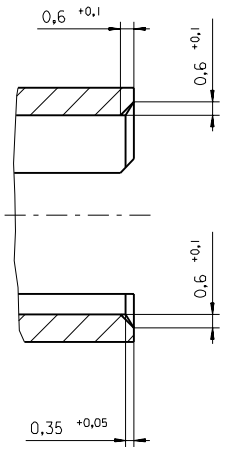
SCALE
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY
DRAWN BY & DATE N.S 31/03/04
CHECKED BY & DATE G.L 31/03/04
APPROVED BY & DATE G.L. 31/03/04
TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT
molex MOLEX INCORPORATED
CAD FILENAME S850132127.S01
MATERIAL NO. 85013-2127
DRAWING NO. SD-85013-2127
SHEET NO. 1 OF 1
SIZE D

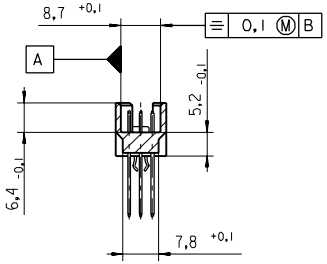
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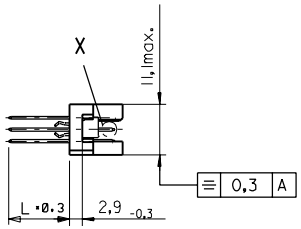
PART NO.

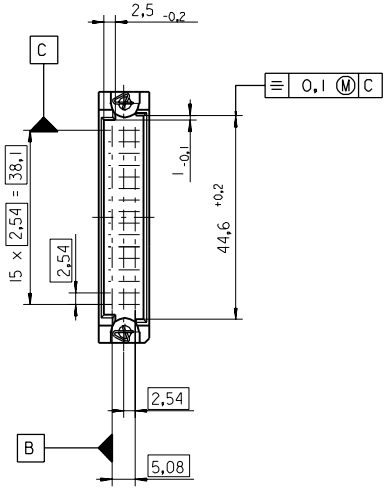
DWG. NO.

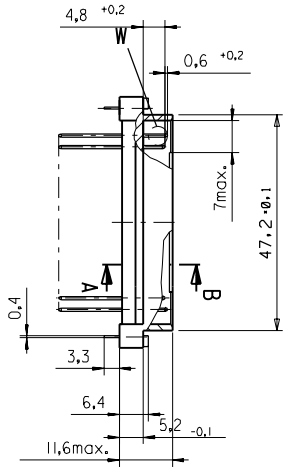
Section A - B
5:1

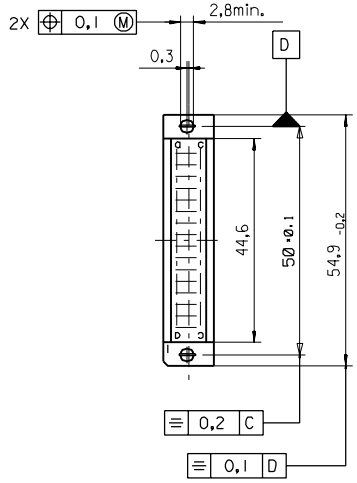






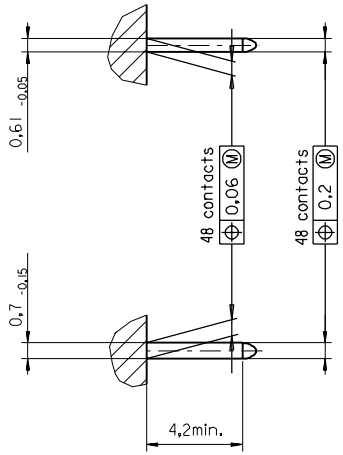






View X
5:1

View W
5:1



first release see ECN No. 1887	REVISIONS	FOR PREVIOUS REVISIONS SEE MR1 LIST	FIRST ANGLE PROJECTION	REVISE ONLY ON CAD SYSTEM	SH. REV.
B1	LTR		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	CADCAM PROJECT NAME 85013000 s21

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TITLE
48 pos. Male connector
acc. DIN 41612 style R/2
Dimensions

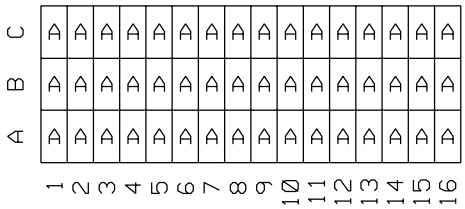
molex MOLEX EUROPE

SHEET NO.	DATE
1 OF	95/06/08

PART NO.	DWG NO.	SIZE
	SDA-85013-0002	B

7132-1283

VIEW ON MATING SIDE



A = 48 STANDARD CONTACTS L=2,9

Marking	Standard
Performance level	G1/0 = Contact area perform. level 1 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0002 sht.1
TechnicalData	PS-85013-0001

A	G1/0	a1-16 b1-16 c1-16
Contact symbol	Perform. level	Contact position number

first release
see ECN No. 2453

A

LTR

REVISIONS

FOR PREVIOUS REVISIONS SEE MRI LIST

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	JB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME
s8501321
s21

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TITLE
48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement

molex® MOLEX EUROPE

SHEET NO.	DATE
1 OF 1	97/04/09

PART NO.	DWG NO.	SIZE
85013-2127	SDA-85013-2127	A