

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850132012

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

Documents:

3D Model

Drawing (PDF)

Product Specification PS-85013-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

85013

Daughtercard

4 Day Industrial Environment (S02)

PCB Header

din_41612

IEC 603-2/DIN 41612

R/2

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

48

48

Rows A, B, & C

500

No

94V-0

No

Yes

16

Open Pin Field

3

Vertical

0.114 In

2.90 mm

No

Yes

Bag

0.100 In

2.54 mm

0.100 In

2.54 mm

39

1

No

No

No

-55°C to +125°C

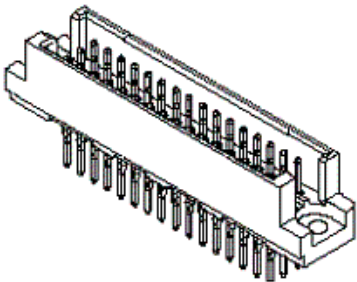
Electrical

Current - Maximum per Contact

Data Rate

1A

622.0 Mbps



Series
image - Reference only

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)

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
------------------------------	------------------------

Material Info

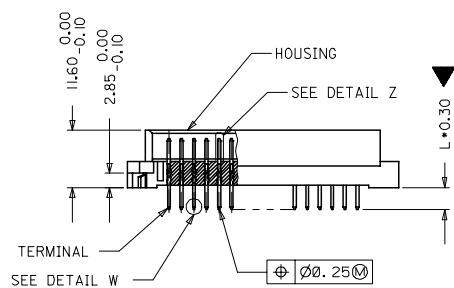
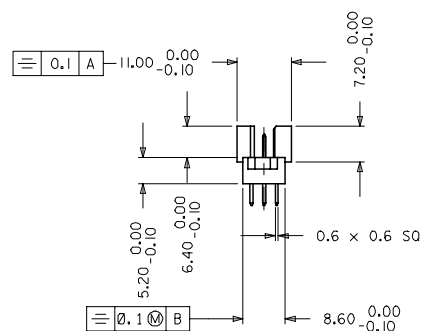
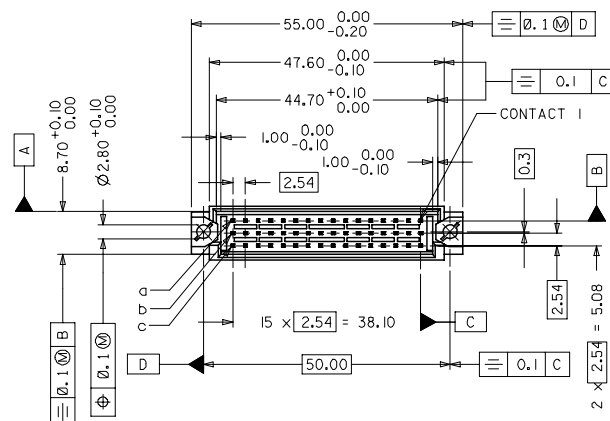
Reference - Drawing Numbers

Product Specification	PS-85013-0001
Sales Drawing	E-85013-0002, E-85013-2012, SD-85013-2012, SDA-85013-0002, SDA-85013-2012

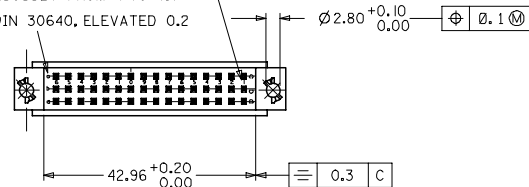
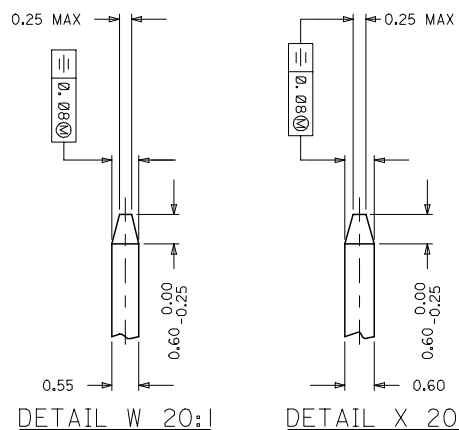
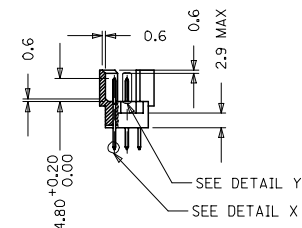
This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

1. MATERIAL NUMBER, BATCH CODE, UL CSA MARKING TO BE PRINTED ON THE CONNECTOR AS PER E-36502-005
2. PRODUCT SPECIFICATION PS:85013-001
3. PACKING SPECIFICATION PK: 36512-001
4. CUT FACES OF TIP WITHOUT PLATING IS PERMITTED
5. REFERENCE AREA OF PLATING
6. GAUGE DRAWING REFER E-36500-100



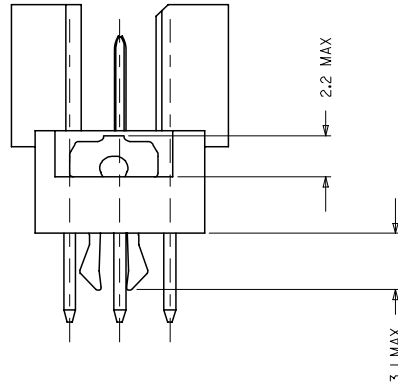
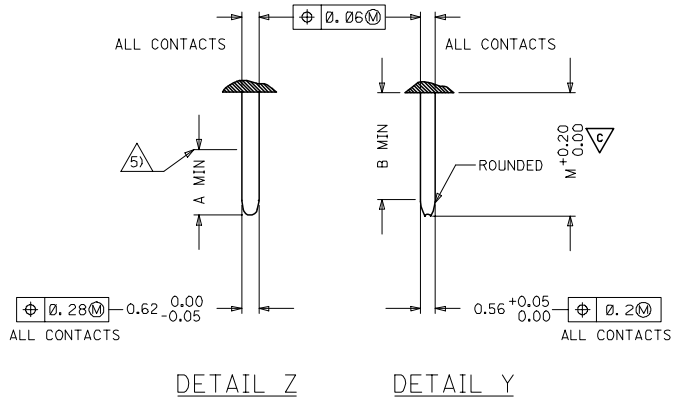
SCRIPT E1.5-6 DIN 30640, ELEVATED 0.2



EC NO: 2005-0092	2004/11/28	2004/11/28	2004/11/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION															
DRUMNASHI WASHA	CHIKIDARASU	CHIKIDARASU	APPR: SUDHAR	DESCRIPTION	<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± 0.05</td><td>± 0.002</td></tr><tr><td>3 PLACES</td><td>± 0.005</td><td>± 0.0005</td></tr><tr><td>2 PLACES</td><td>± 0.05</td><td>± 0.002</td></tr><tr><td>1 PLACE</td><td>± 0.1</td><td>± 0.004</td></tr></table>		mm	INCH	4 PLACES	± 0.05	± 0.002	3 PLACES	± 0.005	± 0.0005	2 PLACES	± 0.05	± 0.002	1 PLACE	± 0.1	± 0.004	DRAWN BY VS CHECKED BY GJLOWE APPROVED BY GJLOWE DATE 2004/03/31 DATE 2004/03/31 DATE 2004/03/31	TITLE	48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS MOLEX INCORPORATED	SHEET NO. 1 OF 2
	mm	INCH																						
4 PLACES	± 0.05	± 0.002																						
3 PLACES	± 0.005	± 0.0005																						
2 PLACES	± 0.05	± 0.002																						
1 PLACE	± 0.1	± 0.004																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO. SEE CHART DOCUMENT NO. E-85013-0002 SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

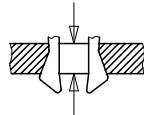
PRE MATING CONTACTS	5.4	4.1	4.8
NORMAL CONTACTS	4.8	3.5	4.2
	M	A	B

MALE CONNECTOR WITH MOUNTING CLIPS

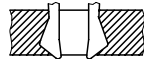


CLIPS SNAP UNDER
PC - BOARD OF
1.5 to 1.8 mm
 $F_m < 60N$
 $F_r > 20N$
 $F_r > 200N$, WHEN
SOLDERED IN
PLATED - THROUGH
FIXING HOLES

F_m = MOUNTING FORCE
(FOR ONE CONNECTOR = 2 CLIPS)

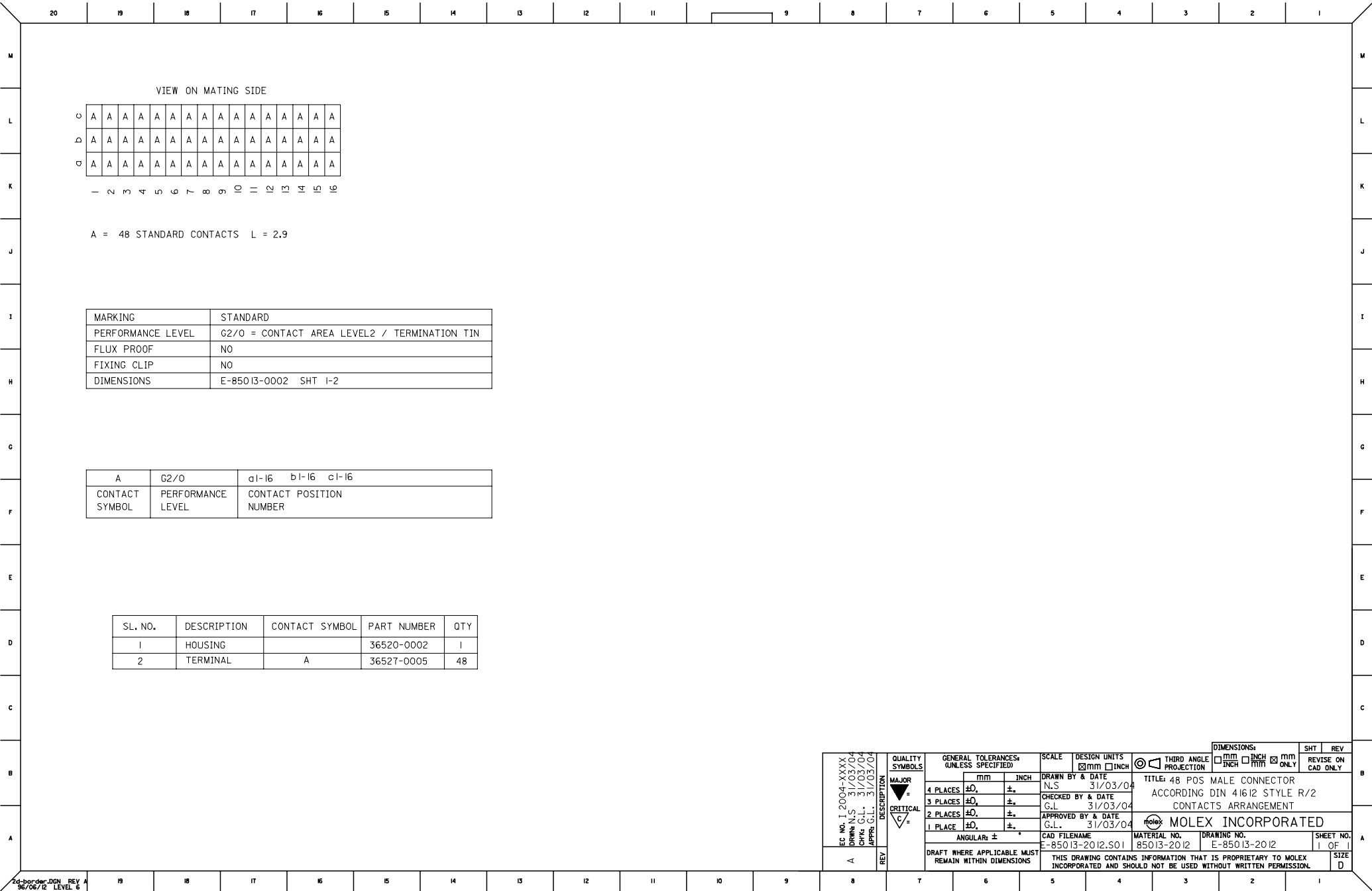


F_r = RETENTION FORCE
(FOR ONE CONNECTOR = 2 CLIPS)



CLIPS STICK IN
FIXING HOLE OF
PC - BOARDS
OVER 1.8 mm
 $F_m < 60N$
 $F_r > 16N$

EC NO. 12005-0092	DRAWN BY: DR. N. S. YASHA	2004/11/23	CHECKED BY: CH. K. RASAD	2004/11/23	APPROVED BY: S. S. D. H. R.	2004/11/23	QUALITY SYMBOLS ▽=0 ▽=1	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
								mm	INCH	DRAWN BY	DATE	TITLE	SCALE	DESIGN UNITS					
REV	DESCRIPTION	▽=0 ▽=1	4 PLACES		± 0.05	± 0.005	± 0.005	NS	2004/03/31		48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS								
			3 PLACES		± 0.05	± 0.005	± 0.005	GJLOWE	2004/03/31		MOLEX								
			2 PLACES		± 0.1	± 0.05	± 0.05	GJLOWE	2004/03/31		MOLEX INCORPORATED								
			1 PLACE		± 0.1	± 0.1	± 0.1	GJLOWE	2004/03/31		MATERIAL NO. E-85013-0002								
											DOCUMENT NO. E-85013-0002								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								SEE CHART				SHEET NO. 2 OF 2							
								SIZE A				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



M

L

K

J

I

H

G

F

E

D

C

B

A

M

L

K

J

I

H

G

F

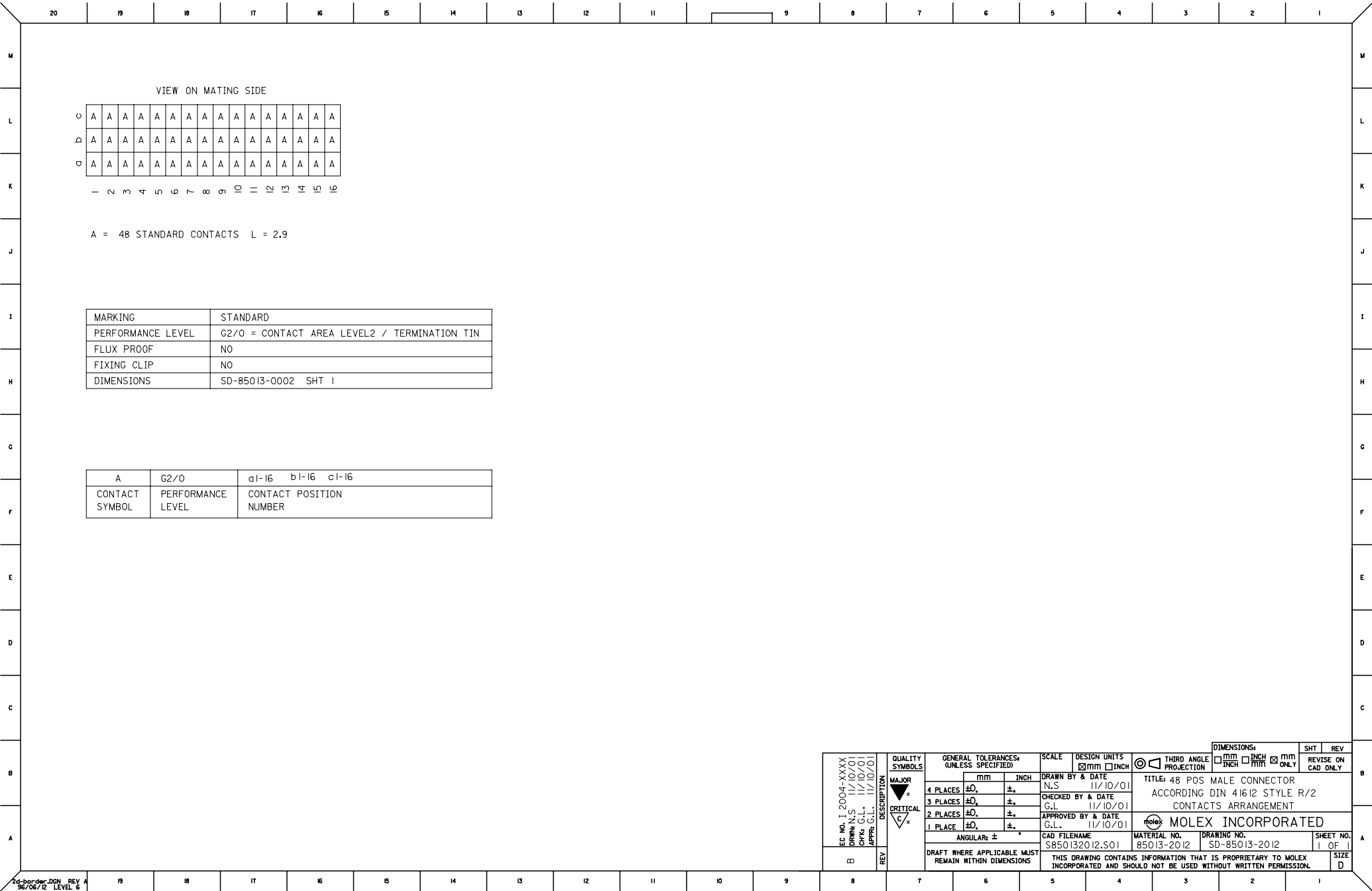
E

D

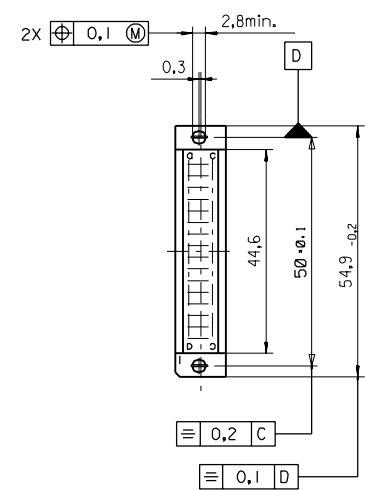
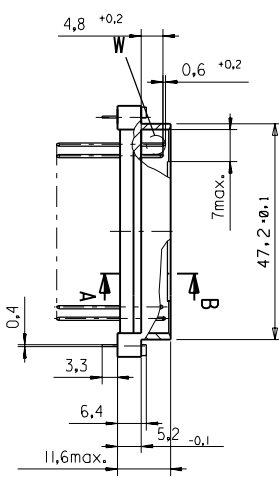
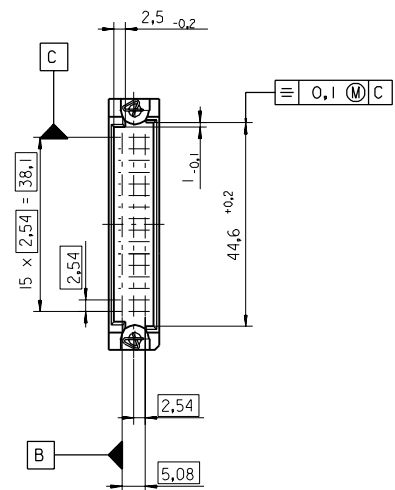
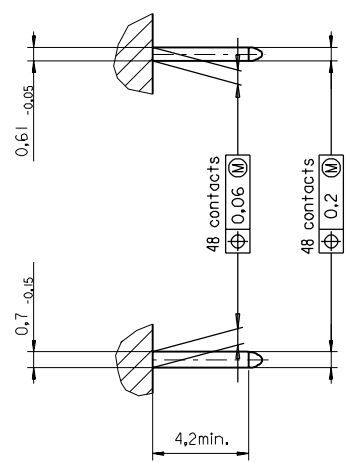
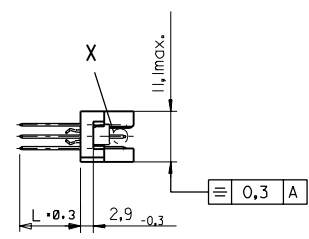
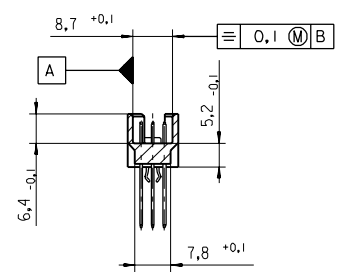
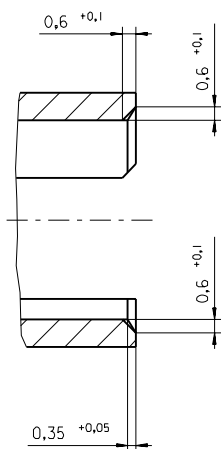
C

B

A



EC NO. I 2004-XXXX DRAWN N.S. 11/10/01 CHK'd G.L. 11/10/01 APPR G.L. 11/10/01		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES* (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE	DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY ☐ INCH ONLY				SHT	REV		
												REVISE ON CAD ONLY				
B		DESCRIPTION	mm		INCH		DRAWN BY & DATE N.S. 11/10/01		TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT MOLEX INCORPORATED							
			4 PLACES		±0.	±.	CHECKED BY & DATE G.L. 11/10/01									
			3 PLACES		±0.	±.	APPROVED BY & DATE G.L. 11/10/01									
			2 PLACES		±0.	±.	CAD FILENAME S850132012.S01									
			1 PLACE		±0.	±.					MATERIAL NO. 85013-2012		DRAWING NO. SD-85013-2012		SHEET NO. 1 OF 1	
			ANGULAR ±													
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												SIZE D	



FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
first release see ECN No. 1887	LTR	REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	DRWG BY Ca	CAD/CAM PROJECT NAME 85013000 621	
			CHK'D BY KN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
			APP'D BY	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions	
			SCALE	SHEET NO. DATE 1 OF 95/06/08	
BI	LTR	DESIGN DIMENSION ☒ MM EQUIVALENT DIMENSION ☐ MM	IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY	PART NO. DWG NO. SIZE	
				SDA-85013-0002 B	

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А